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OF  
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# INDEX OF PATENTS

ISSUED FROM

## THE UNITED STATES PATENT OFFICE

1955



UNITED STATES  
GOVERNMENT PRINTING OFFICE  
WASHINGTON : 1956



## CONTENTS

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	Page
List of Patentees (includes Reissues).....	3
List of Design Patentees.....	451
List of Plant Patentees.....	483
Classification of Patents.....	485
Classification of Designs.....	535
List of Disclaimers.....	541
Decisions Published in the Official Gazette in 1955.....	543

1955

## PATENTS ISSUED

Patents.....	30,480—No. 2,698,434 to No. 2,728,912 <sup>1</sup> inclusive.
Designs.....	2,713—No. 173,777 to No. 176,489 inclusive.
Reissues.....	187—No. 23,918 to No. 24,104 <sup>2</sup> inclusive.
Plant Patents.....	103—No. 1,339 to No. 1,441 inclusive.

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<sup>1</sup> Includes 48 withdrawn and Patent No. 2,712,152½.

<sup>2</sup> Includes 1 withdrawn.



# 1955

## LIST OF PATENTEES

This list includes reissue patentees

Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

- AB Atvidabergs Butiksinredningar:** *See—*  
 Juhlin, Paul G. V., and Åkerström. 2,707,797.
- A. B. Svenska Fläktfabriken:** *See—*  
 Allander, Claes. 2,711,926.  
 Broberg, Georg K. J. 2,722,170.  
 Gretener, Walter. 2,723,770.  
 Häger, Carl O. E. 2,728,561.  
 Johanson, Erik, and Bergvall. 2,725,150.  
 Larsson, Gustaf. 2,708,488.  
 Lindberg, John H. 2,724,086.  
 Magnusson, Folke, and Hallberg. 2,709,306.  
 Öholm, Gustaf V. 2,706,343.  
 Wästvind, Allan U., and Lindbergh. 2,720,551.  
 Wellmar, Sven. 2,711,591.
- A/B Svenska Maskinverken:** *See—*  
 Dalin, David. 2,699,758.  
 Dalin, David. 2,719,354.  
 Nilsson, Karl A. 2,699,802.
- ACF Industries, Inc.:** *See—*  
 Bradfield, George K., Jr. 2,699,556.  
 Cohen, Charles L. 2,728,882.  
 Shields, Robert A. 2,699,734.  
 Shields, Robert A. 2,715,549.  
 Shields, Robert A. 2,715,550.  
 Shields, Robert A. 2,721,667.  
 Walsh, Robert. 2,717,746.  
 Watson, Edmund A. 2,719,705.  
 Watson, Edmund A., Evans, and Harris. 2,708,943.
- A. de Jong N. V.:** *See—*  
 Beyerman, Jan J. H. 2,704,062.
- AGFA Aktiengesellschaft für Photofabrikation:** *See—*  
 Weyde, Edith. 2,699,393.
- AMI Inc.:** *See—*  
 Modrey, Henry J. 2,721,467.
- A. M. S. Corp.:** *See—*  
 Gency, William E., and Starck. 2,707,312.
- APAG, Apparatebau A. G. Goldach:** *See—*  
 Ritter, Ernst Michel. 2,719,356.
- A P Controls Corp.:** *See—*  
 Ehlke, Edward C. 2,708,561.  
 Ehlke, Edward C. 2,711,184.  
 Ehlke, Edward C. 2,716,535.  
 Johnson, Roy W., Biermann, and Burghdoff. 2,703,606.  
 McCarty, Lourdes V., and Heiser. 2,719,673.
- AP Parts Corp., The:** *See—*  
 Miller, John C. 2,702,250.
- APRA Precipitator Corp.:** *See—*  
 MacKenzie, Kenneth W. 2,726,730.  
 Klemperer, Hans, and Andrews. 2,722,283.  
 Winklepleck, Roy G. 2,712,362.
- A. P. V. Co. Ltd., The:** *See—*  
 Goodman, Hugh F. 2,699,324.
- A. & R. Wiedemar:** *See—*
- A. R. F. Products, Inc.:** *See—*  
 Hupert, Julius J. 2,720,591.
- ARWA Feinstrumpfwirkerei G. m. b. H.:** *See—*  
 Rossak, Johann A. 2,717,511.
- A/S Nordisk Aluminiumindustri:** *See—*  
 Nilsen, Knut A., and Wleügel. 2,704,530.
- A/S R. Sigvardt Orehoved:** *See—*  
 Sigvardt, Knud. 2,723,160.
- A/S Sadolin & Holmblad:** *See—*  
 Clauson-Kaas, Niels K. F. W. 2,728,775.
- Aagaard, Leif, to National Lead Co.:** 2,723,186, Cl. 23—202.
- Aarons, Ralph, and D. Wilson, to E. I. du Pont de Nemours and Co.:** 2,723,212, Cl. 117—137.
- Aas, Eugene A., to the United States of America as represented by the United States Atomic Energy Commission:** 2,716,211, Cl. 320—1.
- Aaseby, Palmer J.:** 2,723,321, Cl. 200—61.47.
- Abagoff, Serge.:** 2,713,338, Cl. 124—27.
- Abajian, Aram C.:** 2,700,164, Cl. 5—38.
- Abbey, Nelson D., to The Etna Machine Co.:** 2,711,006, Cl. 29—33.
- Abbott, Charles W.:** 2,709,246, Cl. 339—99.
- Abbott, Charles W., to Abbott Developments, Inc.:** 2,719,957, Cl. 339—99.
- Abbott Developments, Inc.:** *See—*  
 Abbott, Charles W. 2,719,957.
- Abbott, Elbert V., to Sunset-McKee Co.:** 2,723,116, Cl. 271—2.4.
- Abbott, George A. W.:** 2,701,980, Cl. 88—24.
- Abbott, Howard C., and T. J. McDermott.:** 2,715,674, Cl. 219—46.
- Abbott, Hugh B.:** *See—*  
 Borgerd, William F., Calling, and Abbott. 2,703,106.
- Abbott, Joel T., to G. S. Koester.:** 2,698,877, Cl. 179—6.
- Abbott, John F. S., and C. W. Otto, to United States Rubber Co.:** 2,707,205, Cl. 174—120.
- Abbott, John H., and S. F. Skafte, to Utility Appliance Corp.:** 2,724,547, Cl. 230—134.
- Abbott, Kenneth H.:** *See—*  
 Hale, Nathan S., and Abbott. 2,706,982.
- Abbott Laboratories:** *See—*  
 Fricke, Howard H. 2,721,162.  
 Hamlin, Kenneth E. 2,715,129.  
 Hasbrouck, Richard B., Spielman, and Hamlin. 2,727,906.  
 Ryan, George R. 2,704,544.  
 Ryan, George R. 2,707,953.  
 Ryan, George R. 2,716,982.  
 Schock, Richard U. 2,718,488.  
 Schock, Richard U., Swett, and Glenn. 2,714,597.  
 Weston, Arthur W. 2,704,284.  
 Weston, Arthur W. 2,713,048.  
 Weston, Arthur W., Moore, Richards, and Matson. 2,700,041.  
 Windischman, Edward F., Hartop, and Ryan. 2,716,983.
- Abbott, Leslie S., to The Distillers Co. Ltd.:** 2,714,602, Cl. 260—410.
- Abbott, Olney J., Jr., to Colonial Broach Co.:** 2,711,674, Cl. 90—33.
- Abbott, Paul D.:** 2,727,452, Cl. 97—47.43.
- Abbott, William B.:** *See—*  
 Rossetto, Louis, Hilpman, and Abbott. 2,723,023.
- Abbott, William G., Jr.:** 2,712,489, Cl. 18—54.
- Abdalla, Abraham, Jr.:** *See—*  
 Moore, Pernell J., and Abdalla. 2,723,228.
- Abel, Clarence.:** 2,706,358, Cl. 43—19.2.
- Abel, Frederick, to The Huffman Mfg. Co.:** 2,700,862, Cl. 56—25.4.
- Abel, Frederick, to The Huffman Mfg. Co.:** 2,709,882, Cl. 56—25.4.
- Abell, Donald E., to Westinghouse Electric Corp.:** 2,712,108, Cl. 322—36.
- Abell, Harry D. and H. E., and N. R. Heald, to Fisher & Christen.:** 2,709,515, Cl. 198—208.
- Abell, Harry D. and H. E., and N. R. Heald, to Fisher & Christen.:** 2,709,585, Cl. 270—81.
- Abell, Harry D. and H. E., and N. R. Heald, to Fischer & Christen.:** 2,717,153, Cl. 270—81.
- Abell, Homer E.:** *See—*  
 Abell, Harry D. and H. E., and Heald. 2,709,515.  
 Abell, Harry D. and H. E., and Heald. 2,709,585.  
 Abell, Harry D. and H. E., and Heald. 2,717,153.
- Abelskamp, Johannes R.:** 2,712,807, Cl. 114—75.
- Abendroth, Guss F., to Esso Research and Engineering Co.:** 2,716,454, Cl. 166—42.
- Abendroth, Guss F., to Esso Research and Engineering Co.:** 2,727,575, Cl. 166—51.
- Abendroth, Guss F., W. T. Ilfrey, and G. H. Tausch, to Esso Research and Engineering Co.:** 2,725,107, Cl. 166—51.
- Abere, Joseph F., A. F. Schmelzle, and H. W. Murray, to Minnesota Mining & Mfg. Co.:** 2,725,981, Cl. 206—59.
- Aberer, Frank E., to J. C. Hockery, trustee.:** 2,713,367, Cl. 146—91.
- Aberlin, Fred, to Kraft Foods Co.:** 2,700,821, Cl. 31—20.
- Abig, Albert H., to United States Rubber Co.:** 2,711,969, Cl. 117—4.
- Abild, Robert N., to United Aircraft Corp.:** 2,714,803, Cl. 60—39.28.
- Abington Textile Machinery Works:** *See—*  
 Rowe, Frank E., Jr. 2,700,190.  
 Thorndike, James O. 2,716,035.
- Ablasser, Franz:** *See—*  
 Hummitchsch, Werner, and Ablasser. 2,704,317.
- Able, Edward T., to B. K. Sweeney Mfg. Co.:** 2,712,255, Cl. 81—57.
- Abbondi, Frank B., and J. N. Adam, Jr., to American Cyanamid Co.:** 2,701,227, Cl. 195—66.
- Abney, Ira G.:** 2,701,533, Cl. 103—203.
- Abraham, Herbert, to The Ruberoid Co.:** 2,699,129, Cl. 108—7.
- Abraham, Herbert, to The Ruberoid Co.:** 2,728,309, Cl. 108—7.
- Abrahams, S., & Co., Inc.:** *See—*  
 Weinberg, William F. 2,705,805.
- Abrahamsen, Henry C., to International Harvester Co.:** 2,711,241, Cl. 193—38.
- Abrahamson, Charles M., to All-Steel Equipment Inc.:** 2,714,544, Cl. 312—29.



- Abrahamson, Charles M., to All-Steel Equipment Inc. 2,714,545, Cl. 312—29.  
 Abramowska, Alfred A., and J. R. Cox. 2,704,671, Cl. 279—4.  
 Abramowski, Bruno, to Kurt Korber & Co. K. G. 2,713,761, Cl. 53—148.  
 Abrams, Albert: *See—*  
   Abrams, Samuel M. and A. 2,710,983.  
 Abrams, Louis V., to Easy Washing Machine Corp. 2,713,946, Cl. 210—164.  
 Abrams, Robert R. 2,706,530, Cl. 181—33.  
 Abrams, Samuel M. and A., to Knomark Mfg. Co. Inc. 2,710,983, Cl. 15—265.  
 Abramson, Bernard, and E. L. Beals, to Burroughs Wellcome & Co. (U. S. A.) Inc. 2,708,195, Cl. 260—268.  
 Abramson, Helmer A.: *See—*  
   Kenny, Herman C., and Abramson. 2,727,818.  
   Kenny, Herman C., and Abramson. 2,727,819.  
 Abramson, Herbert C. 2,703,241, Cl. 274—42.  
 Abramson, Vincent O., to Parker Products, Inc. 2,726,727, Cl. 180—68.  
 Abramovitz, Max: *See—*  
   Harrison, Wallace K., Abramovitz, and Wiggins. 2,702,104.  
 Abrassart, Elmer L. 2,722,075, Cl. 43—1.  
 Academy Electrical Products Corp.: *See—*  
   Greenbaum, Arthur. 2,704,832.  
   Greenbaum, Arthur. 2,717,365.  
 Accariès, Maurice R. M., to Societe Anonyme dite Compagnie pour la Fabrication des Compteurs et Material d'Usines & Gaz. 2,721,118, Cl. 23—284.  
 Accetta, Anthony C. 2,722,766, Cl. 43—42.24.  
 Accumulatoren-Fabrik Aktiengesellschaft: *See—*  
   Ziegner, Heinrich. 2,711,434.  
 Ace Carton Corp.: *See—*  
   Britton, Richard K. 2,702,152.  
 Achberger, Eldon E., to Bestt Rollr Inc. 2,703,919, Cl. 29—116.  
 Achberger, Eldon E. 2,723,101, Cl. 251—36.  
 Ackell, Joseph J., to Dow Jones & Co., Inc. 2,704,595, Cl. 199—18.  
 Ackell, Joseph J., to Dow Jones & Co., Inc. 2,704,596, Cl. 199—18.  
 Acker, Alden E.: *See—*  
   Appel, Frank H., Acker, and Welch. 2,699,890.  
 Acker, Carl H. 2,720,596, Cl. 250—61.5.  
 Acker, George H., to The Farval Corp. 2,708,984, Cl. 184—7.  
 Acker, Herbert: *See—*  
   Acker, Morris and H. Weitz, and Meistrich. 2,709,209.  
 Acker, Morris and H. S. Weitz, and S. J. Meistrich. 2,709,209, Cl. 200—142.  
 Acker, Ralph E., to Container Corp. of America. 2,702,661, Cl. 229—15.  
 Acker, Ralph E., to Container Corp. of America. 2,713,965, Cl. 229—39.  
 Acker, Warren H.: *See—*  
   Sullivan, Herbert M., Jr., and Acker. 2,708,084.  
 Ackerlind, Erik, to Northrop Aircraft, Inc. 2,700,632, Cl. 154—110.  
 Ackerlind, Erik, to Northrop Aircraft, Inc. 2,700,634, Cl. 154—126.5.  
 Ackerlind, Erik, to Northrop Aircraft, Inc. 2,713,680, Cl. 340—347.  
 Ackerman, Charles, and F. Phillips. 2,706,338, Cl. 33—174.  
 Ackerman, Christopher E., and W. E. Stageberg, to Brown & Bigelow. 2,714,152, Cl. 240—10.65.  
 Ackerman, Dolletta M. 2,706,474, Cl. 128—65.  
 Ackerman, Dolletta M. 2,709,432, Cl. 128—67.  
 Ackerman, Dolletta M. 2,719,997, Cl. 15—132—7.  
 Ackerman, Paul C., to Chrysler Corp. 2,726,557, Cl. 74—732.  
 Ackerman, Robert L., to Pittsburgh Plate Glass Co. 2,715,046, Cl. 299—128.  
 Ackerman, William A., to Sun Oil Co. 2,708,652, Cl. 196—21.  
 Ackermann, Karl: *See—*  
   Schlecht, Leo, and Ackermann. 2,700,062.  
 Ackermann, Robert L. 2,704,373, Cl. 12—125.  
 Ackermann, William E., to Wheeling Steel Corp. 2,711,845, Cl. 220—23.4.  
 Ackley, Richard E., to Henry Disston & Sons, Inc. 2,725,083, Cl. 143—135.  
 Acme Industries, Inc.: *See—*  
   Newton, Alwin B., and Drake. 2,728,206.  
 Acme Steel Co.: *See—*  
   Lassen, Hans G. 2,719,358.  
 Acme Visible Records, Inc.: *See—*  
   Perkins, Theodore O. 2,725,880.  
   Toms, Lloyd M. 2,725,879.  
 Acorace, Dominic: *See—*  
   Donnelly, Leo F., and Acorace. 2,719,311.  
 Acorn Co., The: *See—*  
   Clifton, Chester C. 2,713,179.  
 Acosta, Ivan J.: *See—*  
   Till, Robert A., Anderson, and Acosta. 2,722,401.  
 Acosta, Jorge A. 2,700,597, Cl. 48—180.  
 Acragage Corp.: *See—*  
   Brown, Arthur S. 2,701,968.  
 Acratork Engineering Co. Ltd.: *See—*  
   Thomas, Ivor J. 2,705,416.  
 Acri, Mario, to Fabbrie Riunite Way-Assauto. 2,715,340, Cl. 74—245.  
 Acro Products Co.: *See—*  
   Hafler, David, and Keroes. 2,710,312.  
 Actiengesellschaft Joh. Jacob Rieter & Cie: *See—*  
   Naegeli, Werner. 2,700,191.  
   Wildholz, Rudolf, and Bachmann. 2,713,701.  
 Active Products Inc.: *See—*  
   Rockcastle, Charles J. 2,712,405.  
 Acton Laboratories, Inc.: *See—*  
   Altieri, Joseph R. 2,724,034.  
 Acton, Russel D. Re. 24,006, Cl. 97—46.27.  
 Acu-Rule Mfg. Co.: *See—*  
   Boos, Wilfred J. 2,701,687.  
 Ada Metal Products: *See—*  
   Domeny, Steven. 2,712,585.  
 Adair, Adolphus G. 2,703,502, Cl. 81—83.  
 Adair, Charles R. 2,703,044, Cl. 97—226.1.  
 Adair, Robert V., and D. Vandevate, to Gleason Works. 2,699,412, Cl. 148—12.4.  
 Adam, Frank, Electric Co.: *See—*  
   Stieglitz, Henry M. 2,706,127.  
   Stieglitz, Henry M. 2,720,632.  
 Adam, Gustaaf, and R. G. Tritsmans, to Gevaert Photo-ducaten N. V. 2,716,077, Cl. 117—118.  
 Adam, John N., Jr.: *See—*  
   Abbondi, Frank B., and Adam. 2,701,227.  
 Adamec, Gilbert: *See—*  
   Jamieson, James G., Adamec, and Hays. 2,706,393.  
   Primrose, Frank W., and Adamec. 2,714,409.  
 Adamek, Karl H., to Inconex Handelsgesellschaft m. b. H. industrielle Produkte-Konstruktionen-Export. 2,718, Cl. 60—39.45.  
 Adamick, Jules R.: *See—*  
   McGarvey, John A., and Adamick. 2,699,331.  
 Adamopoulos, Kleomenis V. 2,726,410, Cl. 9—21.  
 Adams, Albert: *See—*  
   Dancy, William B., and Adams. 2,699,377.  
 Adams, Arthur R. 2,727,771, Cl. 292—17.  
 Adams, Cecil E.: *See—*  
   Mueller, Adalbert C., and Adams. 2,718,683.  
   Shaw, Edwin L., and Adams. 2,713,312.  
 Adams, Cecil E., to The Denison Engineering Co. 2,711, Cl. 60—97.  
 Adams, Cecil E., and W. E. Renick, to The Denison Engineering Co. 2,699,178, Cl. 137—493.  
 Adams, Charles A. 2,699,108, Cl. 100—226.  
 Adams, Charles A. 2,702,487, Cl. 74—711.  
 Adams, Charles E.: *See—*  
   Worrell, Robert L., and Adams. 2,705,961.  
 Adams, Charles J., to Land-Air, Inc. 2,724,567, Cl. 244—  
 Adams, Charles J., and J. A. Proctor, to American Phen Corp. 2,728,068, Cl. 340—227.  
 Adams, Clark E., and C. N. Kimberlin, Jr., to Esso Research and Engineering Co. 2,719,111, Cl. 196—50.  
 Adams, Cleo M., and V. Lutkze. 2,707,967, Cl. 137—212.  
 Adams, Daniel M.: *See—*  
   Morphew, Clarence E., and Adams. 2,700,725.  
 Adams, David M. 2,717,010, Cl. 143—43.  
 Adams, Dearborn J. 2,707,071, Cl. 224—5.  
 Adams, Donald L., to Deere & Co. 2,708,582, Cl. 275—  
 Adams, Edmund J., to General Motors Corp. 2,698,958, Cl. 16—140.  
 Adams, Edward T., and I. S. Goodman, to Westinghouse Electric Corp. 2,716,714, Cl. 313—271.  
 Adams, Frederic H.: *See—*  
   Scalera, Mario, and Adams. 2,700,669.  
 Adams, George M., to The Visking Corp. 2,713,307, Cl. 101—416.  
 Adams, Harold E., to Nash Engineering Co. 2,713,968, Cl. 230—79.  
 Adams, Harry M. 2,721,502, Cl. 90—12.  
 Adams, Jack, and M. I. Darrow, to Swift & Co. 2,700, Cl. 17—45.  
 Adams, Jack, B. T. Hensgen, and O. A. Clemens, Jr., to S & Co. 2,718,906, Cl. 146—2.  
 Adams, James, Jr., to Raybestos-Manhattan, Inc. 2,727, Cl. 154—52.2.  
 Adams, James, Jr., to Raybestos-Manhattan, Inc. 2,728, Cl. 74—229.  
 Adams, James F., R. L. Bauer, and G. E. Taylor, to Monsanto Chemical Co. 2,698,779, Cl. 23—293.  
 Adams, John B. 2,709,605, Cl. 282—29.  
 Adams, John Q. 2,708,901, Cl. 119—52.  
 Adams, John R.: *See—*  
   Reason, Richard E., Adams, and Coleman. 2,724,987.  
 Adams, John S. 2,699,698, Cl. 81—17.  
 Adams, Joseph C. 2,723,841, Cl. 261—30.  
 Adams, L. S., Engineering, Inc.: *See—*  
   Walton, Richard R. 2,708,303.  
 Adams-Millis Corp.: *See—*  
   Marlette, Goley R. 2,711,090.  
 Adams, Paul L., W. A. Norman, and C. K. Sitterly, to C Adams & Collier Co. 2,716,447, Cl. 160—40.  
 Adams, Paul L., and F. K. Taylor, to Carr, Adams & Co. 2,727,284, Cl. 20—11.  
 Adams, Paul R., and J. L. Allison, to International Telegraph and Telephone Corp. 2,714,199, Cl. 340—24.  
 Adams Rite Mfg. Co.: *See—*  
   Collar, Frank R., and Mitchell. 2,712,464.  
 Adams, Robert R.: *See—*  
   Dall, Albert H., and Adams. 2,714,823.  
 Adams, Robert R., to Avco Mfg. Corp. 2,707,942, Cl. 122—  
 Adams, Travis B. 2,705,645, Cl. 280—47.13.  
 Adams, William S.: *See—*  
   Biggs, William A., Jr., and Adams. 2,702,167.  
 Adamson, Donald W., to Burroughs Wellcome & Co. (U. S. Inc. 2,712,020, Cl. 260—294.8.  
 Adamson, Donald W., to Burroughs Wellcome & Co. (U. S. Inc. 2,712,022, Cl. 260—296.



- Adamson, Donald W., to Burroughs Wellcome & Co. (U. S. A.) Inc. 2,712,023, Cl. 260—296.
- Adamson, Harve,  $\frac{1}{2}$  to R. Haney. 2,699,030, Cl. 56—54.
- Adamson, Lee T.,  $\frac{1}{2}$  to J. B. Weaver. 2,718,330, Cl. 220—88.
- Adamson, Robert A. 2,724,042, Cl. 219—26.
- Adamson, Thomas H. 2,722,420, Cl. 273—102.
- Adamson United Co.: See—  
Collins, Don F. 2,718,029.
- Collins, Don F., and Dawes. 2,718,030.
- Adamtchik, Michael T., and V. Epifanoff. 2,728,498, Cl. 223—65.
- Adamy, Frank D. 2,708,796, Cl. 34—104.
- Adashek, Floyd M. 2,708,859, Cl. 88—28.
- Addicks, Mentor C. 2,699,919, Cl. 254—187.
- Addicks, Mentor C. 2,705,126, Cl. 254—173.
- Addison, Herman H., to The Texas Co. 2,718,925, Cl. 166—90.
- Addison Products Co.: See—  
Bishop, Oren, and Miller. 2,702,166.
- Addison, Tom, to American Steel Foundries. 2,699,695, Cl. 77—4.
- Addison, Tom, to American Steel Foundries. 2,725,767, Cl. 77—4.
- Addressograph-Multigraph Corp.: See—  
Curtis, Franklin E. 2,704,509.
- Gollwitzer, Walter T. 2,705,142.
- Gollwitzer, Walter T. 2,710,406.
- Hueber, Carl J., and Brugge. 2,710,407.
- Janke, Edward J. 2,713,306.
- Lingard, Frederick E. 2,704,976.
- Adelaar, Hans H.: See—  
Pouliart, Willy den Hertog, and Adelaar. 2,724,018.
- Adell, Robert. 2,704,687, Cl. 296—44.
- Adell, Robert. 2,704,688, Cl. 296—44.
- Adelphi Research and Mfg. Co.: See—  
Cipriano, John F. 2,705,685.
- Adelson, David E., to Shell Development Co. 2,713,066, Cl. 260—482.
- Adkins, Harold E.: See—  
Heyman, Henry, and Adkins. 2,706,471.
- Adkins, John D., and H. L. Jackson, to Westinghouse Electric Corp. 2,727,224, Cl. 340—207.
- Adam, Thomas N., to Sarcotherm Controls, Inc. 2,714,142, Cl. 200—122.
- Adler, Arnold R.: See—  
Spiess, Newton E., Jr., and Adler. 2,719,494.
- Adler, Benjamin. 2,713,119, Cl. 250—27.
- Adler, Dale O.: See—  
Adler, John and D. O. 2,699,817.
- Adler, Herman G., to Novi Equipment Co. 2,719,517, Cl. 123—103.
- Adler, John and D. O. 2,699,817, Cl. 155—147.
- Adler, John B., to Shwayder Brothers, Inc. 2,708,146, Cl. 311—99.
- Adler, John B., to Shwayder Bros., Inc. 2,719,068, Cl. 311—99.
- Adler, John B., to Shwayder Brothers. 2,719,574, Cl. 155—125.
- Adler, Joseph I., Jr. 2,716,828, Cl. 41—13.
- Adler, Robert, to Zenith Radio Corp. 2,702,874, Cl. 315—27.
- Adler, Robert, to Consolidated Electric Co. 2,707,232, Cl. 250—36.
- Adler, Robert, to Zenith Radio Corp. 2,717,972, Cl. 313—72.
- Adler, Robert, to Zenith Radio Corp. 2,718,553, Cl. 178—69.5.
- Adler, Robert, to Zenith Radio Corp. 2,719,229, Cl. 250—27.
- Adler, Robert, to Zenith Radio Corp. 2,722,622, Cl. 313—77.
- Adler, Solomon. 2,709,978, Cl. 112—258.
- Admiral Corp.: See—  
Carlson, Reuben C. 2,718,401.
- Jones, Robert M., Segal, and Hoellerich. 2,710,916.
- Miller, William, Squire, and Felder. 2,701,541.
- Morton, Evans T. 2,704,441.
- Morton, Evans T. 2,720,089.
- Morton, Evans T. 2,727,361.
- Summerer, William H. 2,717,366.
- Vistain, James E., Jr. 2,707,639.
- Adolphson, Roy T.: See—  
Reichert, Allan S., and Adolphson. 2,714,541.
- Adolphson, Roy T., to Champagne Co. 2,712,484, Cl. 311—7.
- Adrema Maschinenbau G. m. b. H.: See—  
Ostwaldt, Erich. 2,708,439.
- Ostwaldt, Erich. 2,722,128.
- Adrian, Joseph L., and R. A. Sullivan, to Curtiss-Wright Corp. 2,727,580, Cl. 170—160.37.
- Adshead, Charles W., to Setright Registers Ltd. 2,707,431, Cl. 101—69.
- Adshead, Charles W., to Setright Registers, Ltd. 2,720,331, Cl. 216—9.
- Adsorption Research Corp.: See—  
Ringo, Dan, Miller, and Bush. 2,706,532.
- Advance Seed Co.: See—  
Aubry, Lloyd W. 2,726,762.
- Advance Solvents & Chemical Corp.: See—  
Mack, Gerry P., and Parker. 2,700,675.
- Mack, Gerry P., and Parker. 2,727,917.
- Advance Transformer Co.: See—  
Feinberg, Albert E. 2,712,618.
- Feinberg, Albert E., and Berger. 2,716,205.
- Zerwes, Paul J. 2,722,671.
- Aelony, David, and H. Wittcoff, to General Mills, Inc. 2,720,536, Cl. 260—482.
- Aelony, David, and M. M. Renfrew, to General Mills, Inc. 2,728,747, Cl. 260—78.3.
- Aeon Industries Inc.: See—  
Golding, Frederick E. 2,714,417.
- Aero Service Corp.: See—  
Barth, Walther L. A. 2,727,883.
- Aero Supply Mfg. Co., Inc.: See—  
Saloum, Edward E. 2,708,521.
- Stoermer, William F. 2,728,300.
- Zand, Stephen J., and Forrester. 2,726,671.
- Aero Zipp Fasteners Ltd.: See—  
Backer, Joachim. 2,721,837.
- Aeroduct, Inc.: See—  
Conroy, Addison B., and Hewitt. 2,726,682.
- Aerofin Corp.: See—  
Stikeleather, Robert M. 2,713,375.
- Aeroil Products Co. Inc.: See—  
Walter, Richard H., Jr. 2,718,217.
- Wollner, Paul, and Tremaine. 2,720,868.
- Aerojet-General Corp.: See—  
Gill, Merwyn C., and Self. 2,703,313.
- Gongwer, Calvin A. 2,714,800.
- Maisner, Herman. 2,712,989.
- Nickerson, Douglas B. 2,712,827.
- Ross, Chandler C. 2,728,192.
- Zucrow, Maurice J. 2,714,286.
- Aeromat Products Co., Inc.: See—  
Summerville, Donald V. 2,701,147.
- Aeroprojects Inc.: See—  
Jones, James B. 2,704,034.
- Aeroquip Corp.: See—  
Kaiser, Rudolf. 2,702,202.
- Kaiser, Rudolf. 2,705,652.
- Smisko, John. 2,700,988.
- Zeeb, Stanley H. 2,709,090.
- Zeeb, Stanley H. 2,709,093.
- Aerosol Research Co.: See—  
Green, Edward H. 2,709,111.
- Aerovox Corp.: See—  
Heyman, Sam. 2,710,441.
- Aery, Alma. 2,718,078, Cl. 38—141.
- Aerzener Maschinenfabrik G. m. b. H.: See—  
Grote, Paul. 2,710,540.
- Aetna-Standard Engineering Co., The: See—  
Hale, Andrew, Perkins, and Woodrow. 2,725,220.
- Rodder, William. 2,726,754.
- Affleck, David C., and D. E. Wise, to United States Steel Corp. 2,711,311, Cl. 266—32.
- Affleck, Theodore H., to Sweetland Corp. 2,717,612, Cl. 137—102.
- Agar, Kenneth C., to Clinton Machine Co. 2,717,150, Cl. 261—64.
- Ageborn, Adolf E. 2,709,572, Cl. 255—22.
- Agens, Maynard C., to General Electric Co. 2,714,585, Cl. 260—46.5.
- Agfa Aktiengesellschaft für Photofabrikation: See—  
Weyde, Edith. 2,709,135.
- Weyde, Edith. 2,712,995.
- Agfa Camera-Werk Aktiengesellschaft: See—  
Brendel, Theodor, and Lautenbacher. 2,724,992.
- Kaden, Willy. 2,720,144.
- Aghnides, Elie P. 2,710,611, Cl. 131—235.
- Agnew, Edward J., to Westinghouse Air Brake Co. 2,727,138, Cl. 246—182.
- Agricultural Laboratories, Inc.: See—  
Erickson, Robert M. 2,726,948.
- Agriculture, United States of America as represented by the Secretary of: See—  
Aronovsky, Samuel I., and Lathrop. 2,708,160.
- Bickoff, Emanuel M. 2,711,962.
- Bogdan, John F., and Asbill. 2,698,538.
- Brant, Albert W., and Norris. 2,700,321.
- Burney, Harold W. 2,725,674.
- Campbell, Tod W., and Coppinger. 2,709,657.
- Carson, John F. 2,715,636.
- Daul, George C., Reid, and Reinhardt. 2,721,784.
- Daul, George C., Reinhardt, and Reid. 2,724,633.
- Eskew, Roderick K., and Claffey. 2,718,469.
- Fein, Martin L., Ratchford, Filachione, and Fisher. 2,700,616.
- Filachione, Edward M., Fein, and Harris. 2,710,880.
- Fontaine, Thomas D., and Doukas. 2,716,116.
- Fort, Charles A., and Smith. 2,711,425.
- Gastrock, Edward A., Vix, D'Aquin, Graci, and Spadaro. 2,727,914.
- Gastrock, Edward A., Vix, D'Aquin, Spadaro, and Graci. 2,726,253.
- Griffin, Edward L., Jr., Sinnamon, and Willard. 2,719,970.
- Griffiths, Francis P., Kilpatrick, Harrington, Hendel, and Olson. 2,705,679.
- Guadagni, Dante G. 2,702,248.
- Hargrove, Robert E., and Leviton. 2,715,602.
- Heisler, Edward G., and Hunter. 2,704,260.
- Hellman, Nison N., Tsuchiya, Rogovin, Jackson, and Senti. 2,726,985.
- Hertel, Kenneth L. 2,706,403.
- Hipp, Norbert J., Groves, and McMeekin. 2,702,800.
- Hodge, John E. 2,715,123.
- Jones, Edwin P., Dutton, and Cowan. 2,718,468.
- Kaufman, Vern F., Powers, and Talburt. 2,718,470.
- King, William H., Thurber, and Altschul. 2,726,155.
- Kirchner, Justus G., and Miller. 2,712,008.
- Koepsell, Harold J., Hellman, and Tsuchiya. 2,726,190.
- Koepsell, Harold J., Stodola, and Sharpe. 2,724,680.
- Lukens, Harold C., and MacKenzie. 2,701,502.



- Agriculture, United States of America as represented by the Secretary of: *See*—Continued.
- Lundgren, Harold P., Binkley, and Yeiser. 2,715,592.  
 Mack, Charles H., Bickford, and Markley. 2,727,048.  
 McCready, Rolland M., Olson, and Harrington. 2,707,684.  
 McKinney, Leonard L., Setzkorn, and Uhing. 2,717,263.  
 Mehlretter, Charles L. 2,713,553.  
 Mehlretter, Charles L., and Weakley. 2,715,627.  
 Mehlretter, Charles L. Re. 23,966.  
 Miller, John M., and Kirchner. 2,723,756.  
 Parker, Edwin D., and Guthrie. 2,727,805.  
 Rehberg, Chessie E., and Fisher. 2,712,025.  
 Roberts, Robert L. 2,715,579.  
 Rose, William G., and Lundgren. 2,717,194.  
 Rothman, Edward S., and Wall. 2,715,122.  
 Saveson, Irwin L. 2,715,286.  
 Scholfield, Charles R., and Dutton. 2,727,046.  
 Skalkeas, Basil G. 2,724,657.  
 Strashun, Sumner I. 2,710,810.  
 Swern, Daniel. 2,715,132.  
 Tsuchiya, Henry M., Hellman, and Koepsell. 2,724,679.  
 Ventre, Emil K. 2,712,552.  
 Wall, Monroe E. 2,719,845.  
 Wall, Monroe E., and Krider. 2,711,408.  
 Weaver, Jeremiah W., Frick, and Reid. 2,711,998.  
 Willits, Charles O., and Porter. 2,715,581.  
 Wolf, Michael J., Cannon, and MacMasters. 2,709,699.  
 Wolff, Ivan A., Mellies, and Rist. 2,712,007.  
 Wolff, Ivan A., Watson, and Rist. 2,719,147.  
 Young, Ray C., and Rusca. 2,712,162.
- Agnew, Arthur F. 2,700,802, Cl. 20—62.  
 Aguilar, John G., and W. A. Cox. 2,714,411, Cl. 146—238.  
 Aguirregaviria, Jose M. C. 2,698,482, Cl. 30—40.  
 Agule, George J., to Machlett Laboratories Inc. 2,707,757, Cl. 313—247.  
 Agulhon, Marie H., to Manufactures de Produits Chimiques du Nord Etablissements Kuhlmann. 2,706,689, Cl. 106—165.  
 Ahern, Jack A.: *See*—  
 Silliman, Grant F. 2,707,819.  
 Ahlberg Bearing Co.: *See*—  
 Nelson, Charles, Jr. 2,714,022.  
 Ahlberg, Jacob E., and J. W. Cox, Jr., to W. R. Grace & Co. 2,719,829, Cl. 252—451.  
 Ahlburg, Desda E.: *See*—  
 Ahlburg, Frank, and Gibson. 2,715,511.  
 Ahlburg, Frank, and H. L. Gibson, to D. E. Ahlburg. 2,715,511, Cl. 249—60.  
 Åhlén, Karl G., to J. C. Marble, L. M. Merrill, and P. H. Batten. 2,699,642, Cl. 60—12.  
 Åhlén, Karl G., to J. C. Marble, L. M. Merrill, and P. H. Batten. 2,699,689, Cl. 74—730.  
 Åhlén, Karl G., to J. C. Marble, L. M. Merrill, and P. H. Batten. 2,700,444, Cl. 192—93.  
 Åhlén, Karl G., to J. C. Marble, L. M. Merrill, and P. H. Batten, trustees. 2,707,408, Cl. 74—645.  
 Åhlén, Karl G., to J. C. Marble, L. M. Merrill, and P. H. Batten. 2,719,616, Cl. 192—3.2.  
 Ahlmeyer, Heinz, and W. D. Sherman, to Robert Gair Co., Inc. 2,710,566, Cl. 93—49.  
 Ahlquist, Gunnar. 2,703,046, Cl. 99—449.  
 Ahlquist, Russell W., to The American Hardware Corp. 2,708,357, Cl. 70—216.  
 Ahlstrand, Phillip M., J. B. Starnes, and V. C. Strible, to Union Carbide and Carbon Corp. 2,725,722, Cl. 62—1.  
 Ahlstrom, Edward F., to Chef-Way, Inc. 2,698,702, Cl. 222—145.  
 Ahlstrom, Edward F., to Chef-Way, Inc. 2,725,160, Cl. 221—178.  
 Aidlin, Samuel S.: *See*—  
 Mitchell, Charles W., and Aidlin. 2,714,643.  
 Aidlin, Samuel S., and R. Fenster; said Aidlin assor. to said Fenster. 2,719,507, Cl. 116—67.  
 Aiello, William J.: *See*—  
 Gary, Vern, and Rutherford. 2,728,600.  
 Aiken, William R.: *See*—  
 Lawrence, Ernest O., Aiken, and Mack. 2,705,257.  
 Aiken, William R., to the United States of America as represented by the United States Atomic Energy Commission. 2,712,114, Cl. 333—20.  
 Aimone, Francis M.: *See*—  
 Allen, Charles F., Aimone, and Booth. 2,719,081.  
 Ainsworth, Cameron: *See*—  
 Jones, Reuben G., and Ainsworth. 2,710,296.  
 Ainsworth, Cameron, to Eli Lilly and Co. 2,702,803, Cl. 260—302.  
 Ainsworth, Cameron, and R. G. Jones, to Eli Lilly and Co. 2,719,849, Cl. 260—308.  
 Ainsworth, Chester D., to Allis-Chalmers Mfg. Co. 2,708,698, Cl. 200—144.  
 Ainsworth Mfg. Corp.: *See*—  
 Potter, Albert T. 2,702,582.  
 Rosenberg, Ralph H. 2,713,384.  
 Airborne Accessories Corp.: *See*—  
 Jakobsen, Harry S. 2,725,049.  
 Jakobsen, Harry S. 2,725,050.  
 Airborne Instruments Laboratory, Inc.: *See*—  
 Bowman, David F. 2,700,104.  
 Byrne, John F., and Strum. 2,721,936.  
 Air Comfort Co.: *See*—  
 Schneider, Oscar K. 2,722,213.  
 Air Controls, Inc.: *See*—  
 Busch, Norman G. 2,726,362.  
 Aircraft Armaments, Inc.: *See*—  
 Barr, Irwin R. 2,724,624.  
 Cairnes, Charles W., and Brady. 2,701,629.  
 Aircraft-Marine Products Inc.: *See*—  
 Byrem, Gerald H. 2,722,146.  
 Handel, George J., Jr. 2,705,797.  
 Pierce, Frank L. 2,715,764.  
 Vickery, John R. 2,701,778.  
 Wells, Franklin H. 2,704,358.  
 Woolley, Harold O., Jr. 2,715,716.  
 Air Devices Inc.: *See*—  
 O'Day, Cortland N. 2,711,127.  
 Air-Equipment: *See*—  
 Garnier, Georges. 2,702,509.  
 Garnier, Georges. 2,723,002.  
 Airequipt Mfg. Co., Inc.: *See*—  
 Wiklund, Carl H. 2,711,602.  
 Airex Mfg. Co., Inc.: *See*—  
 Bonanno, Joseph L. 2,705,113.  
 Soskice, Victor. 2,726,474.  
 Air Filters Co.: *See*—  
 Lange, Horace R. 2,715,453.  
 Air Force, United States of America as represented by the Secretary of the: *See*—  
 Ashby, Robert M. 2,710,362.  
 Bishop, Amasa S. 2,710,721.  
 Boyer, Keith. 2,706,274.  
 Boyer, Keith. 2,709,806.  
 Cooper, Jack R. 2,705,769.  
 Dane, Ernest B., Jr. 2,704,513.  
 Ergen, William K. 2,726,038.  
 Exline, Paul G. 2,723,560.  
 Felburg, Robert A. 2,715,560.  
 Fox, Samuel S. 2,724,239.  
 Gray, John W., and MacRae. 2,711,856.  
 Greenwood, Ivan A., Jr. 2,718,001.  
 Hickey, James B. 2,702,372.  
 Hull, Wayland E., and Seeler. 2,711,169.  
 Irwin, Arthur S. 2,724,590.  
 Johnson, Francis M. 2,703,417.  
 Johnson, Francis M. 2,707,600.  
 Johnson, Francis M. 2,712,060.  
 Ledwith, Walter A. 2,715,494.  
 Leonard, Merrill G. 2,713,316.  
 Mosher, Richard K. 2,726,039.  
 Neugebauer, Franz J. 2,703,102.  
 Rose, Maurice, and Lawrence. 2,706,605.  
 Schelp, Helmut R. 2,720,750.  
 Schmitt, Heinz E. 2,704,434.  
 Simmonds, Milo R. 2,703,607.  
 Touger, Martin L., and Kettler. 2,714,134.  
 Von Gierke, Henning E. 2,719,523.  
 Weissberg, Stanley K. 2,704,938.  
 Air Mass, Inc.: *See*—  
 Rand, Henry J. 2,719,986.  
 Air-Maze Corp.: *See*—  
 Brixius, Jacob K. 2,726,731.  
 Schaaf, Oliver H. 2,723,731.  
 Air Preheater Corp., The: *See*—  
 Grames, Lloyd D. 2,708,106.  
 Hodson, Peter. 2,701,622.  
 Rosenberg, George E. 2,716,884.  
 Yerrick, William D. 2,701,129.  
 Air Products, Inc.: *See*—  
 Anderson, Carl R. 2,711,085.  
 Pool, Leonard P. 2,704,930.  
 Schilling, Clarence J., and Twomey. 2,701,710.  
 Twomey, Lee S., and Schilling. 2,720,389.  
 Air Reduction Co., Inc.: *See*—  
 Anderson, Nelson E. 2,702,333.  
 Anderson, Nelson E. 2,719,245.  
 Anderson, Nelson E. 2,721,923.  
 Cole, Gordon E., Jr. 2,719,181.  
 Davis, Robert P., and Philippi. 2,700,583.  
 Fullwood, Edward F., and Philippi. 2,709,420.  
 Gibson, Glenn J. 2,709,213.  
 Gilroy, John, and Eckman. 2,702,546.  
 Gilroy, John, Weaver, and Hay. 2,699,927.  
 Hamilton, James K. 2,701,578.  
 Kiernan, Joseph F. 2,715,551.  
 Lyon, Ashton M., and Rutledge. 2,724,008.  
 Muller, Albert. 2,727,125.  
 Rowlands, Daniel C. 2,703,333.  
 Rowlands, Daniel C. 2,728,791.  
 Shukys, Julius G., Fiordalisi, and Croix. 2,727,900.  
 Soherr, William. 2,706,575.  
 Spies, George R., Jr. 2,727,567.  
 Thorp, Clark E., Kinney, and Remaly. 2,700,648.  
 Turbett, George R. 2,727,970.  
 Tyrner, Joseph M. 2,723,331.  
 Wilkinson, Walter. 2,708,831.  
 Air & Refrigeration Corp.: *See*—  
 Fleisher, Walter L. 2,703,228.  
 Air-Shields, Inc.: *See*—  
 Gibbon, Samuel Y. 2,727,508.  
 Airtron, Inc.: *See*—  
 Anderson, John W., and Kress. 2,705,786.  
 Bieber, Charles E., and Carr. 2,709,725.  
 Bieber, Charles E., and Carr. 2,714,699.  
 Ingalls, David, and Anderson. 2,724,660.  
 Air Vent Awning Co.: *See*—  
 Kramer, David, and Stapp. 2,722,042.



- Air-Vue Products Corp.: *See*—  
Roberts, Harry O. 2,700,292.
- Air-Way Industries, Inc.: *See*—  
Dow, Deway M. 2,725,953.
- Aitken, William H., R. A. Brown, and F. G. du Pont, to Remington Arms Co., Inc. 2,722,157, Cl. 88—16.
- Ajax Engineering Corp.: *See*—  
Tama, Mario. 2,707,718.  
Tama, Mario. 2,707,720.
- Ajax Iron Works: *See*—  
Pierotti, Charles T. 2,726,887.
- Ajax Mfg. Co., The: *See*—  
Ware, Ben F. 2,728,447.  
Ware, Ben F. 2,728,448.
- Ajello, Edward J.: *See*—  
Ajello, Ralph A. and E. J. 2,715,529.
- Ajello, Ralph A. and E. J. 2,715,529, Cl. 272—8.
- Ajero, Fortunato S., to Aveco Mfg. Corp. 2,713,836, Cl. 111—80.
- Ajust-A-Dyper Co., Inc.: *See*—  
Meroney, Coleman A. 2,718,888.
- Akai, Saburo. 2,716,898, Cl. 74—194.
- Ake, Paul D. 2,702,910, Cl. 9—24.
- Aken, Gerald D. 2,721,345, Cl. 14—71.
- Akerlof, Gosta C., to the United States of America as represented by the Secretary of the Navy. 2,724,692, Cl. 204—312.
- Akerlof, Gosta C., to the United States of America as represented by the Secretary of the Navy. 2,728,723, Cl. 204—312.
- Akerman, John D. 2,700,064, Cl. 136—161.
- Akerman, Ralph L. 2,720,211, Cl. 137—79.
- Åkerström, Börje: *See*—  
Juhlin, Paul G. V., and Åkerström. 2,707,797.
- Akin, George A.: *See*—  
De Croes, George C., and Akin. 2,719,169.
- Akre, Robert L.: *See*—  
Lee, Hugh B., and Akre. 2,703,528.
- Akshun Mfg. Co.: *See*—  
Lees, Gerald M. 2,716,869.
- Aktiebolag Separator: *See*—  
Kjellgren, Ove A. V. 2,711,854.
- Aktiebolaget Addo: *See*—  
Bogert, Thure. 2,704,591.  
Bogert, Thure B. 2,727,681.
- Aktiebolaget Atlas Diesel: *See*—  
Falkman, Hans H., Karlén, and Olsson. 2,707,978.  
Falkman, Hans H., Karlén, and Olsson. 2,707,979.  
Lundgren, Karl I. 2,712,952.
- Aktiebolaget B. A. Hjorth & Co.: *See*—  
Kvaerne, Nils. 2,706,928.
- Aktiebolaget BT-Metoder: *See*—  
Bergström, Hilding O. V., and Trobeck. 2,726,927.
- Aktiebolaget Bofors: *See*—  
Aldrin, Henry W. 2,700,539.  
Bergstrom, Lars O. 2,725,790.  
Carlsson, Arent G. 2,724,997.
- Aktiebolaget Bostadsforskning: *See*—  
Palmgren, Allan O. G., and Wästberg. 2,712,586.
- Aktiebolaget Broderne Ekbergs Platslägerifabrik: *See*—  
Ekberg, Gunnar J. E. 2,701,723.
- Aktiebolaget Celloplast: *See*—  
Lindquist, Curt A. J. 2,712,154.
- Aktiebolaget Duba: *See*—  
Larsen, Fridthiof O. V. 2,719,671.
- Aktiebolaget Elektrolux: *See*—  
Faith-Ell, Lars J. 2,703,903.  
Faith-Ell, Lars J. 2,703,905.  
Faith-Ell, Lars J. 2,710,204.  
Grubb, Gunnar A. 2,728,201.  
Grubb, Gunnar A. 2,728,202.  
Hellström, Axel G. 2,721,455.  
Kögel, Wilhelm G. 2,704,926.  
Kögel, Wilhelm G., and Grubb. 2,702,457.  
Kögel, Wilhelm G., and Grubb. 2,702,990.  
Ostegren, Axel H., and Boren. 2,715,322.  
Wahlborg, Karl J. 2,723,724.
- Aktiebolaget Fr. Ramström: *See*—  
Axelsson, Johan A. 2,721,744.
- Aktiebolaget Galco: *See*—  
Fransson, George L., and Winqvist. 2,718,413.
- Aktiebolaget Hedemora Verkstader: *See*—  
Haglund, Gustaf. 2,720,376.
- Aktiebolaget Kafab: *See*—  
Qvarnström, Helle C. 2,714,219.
- Aktiebolaget Kamyr: *See*—  
Johansen, Rolf J. 2,706,390.  
Johansen, Rolf J. 2,711,359.  
Mylius, Anfinn. 2,725,145.
- Aktiebolaget Leo: *See*—  
Olsson, Olle G. A. 2,704,270.  
Hansson, Gustav H. 2,703,526.
- Aktiebolaget Piab: *See*—  
Tell, Sven A. 2,701,917.  
Tell, Sven A. 2,703,980.
- Aktiebolaget Rosenblads Patent: *See*—  
Lockman, Carl J. 2,699,390.
- Aktiebolaget Separator: *See*—  
Bergner, Nore E. 2,719,668.  
Borck, Alfred G. 2,705,620.  
Norenborg, Otto V. 2,727,493.  
Palmqvist, Fredrik T. 2,727,915.
- Aktiebolaget Statens Skogsindustrier: *See*—  
Mossberg, Bengt J. Y. 2,721,505.  
Mossberg, Bengt J. Y., and Nyström. 2,721,504.
- Aktiebolaget Svenska Flaktfabriken: *See*—  
Christiansson, Eric T. 2,724,579.
- Aktiebolaget Svenska Kullagerfabriken: *See*—  
Göthberg, Karl E. A. 2,705,545.  
Göthberg, Karl E. A. 2,720,889.  
Göthberg, Karl E. A., and Stranne. 2,705,547.  
Hjärpe, Eric G. 2,712,795.  
Hjärpe, Eric G. 2,720,433.
- Aktiebolaget Svetsmekano: *See*—  
Öberg, Sven, and Nicklasson. 2,728,316.
- Aktiebolaget Wikstrand & Berg, WIBE: *See*—  
Nilsson, Gustav R. 2,704,178.
- Aktiengesellschaft Brown, Boveri & Cie: *See*—  
Günthardt, Emil. 2,728,001.  
Hartman, Hans. 2,719,275.  
Thommen, Hans. 2,708,700.
- Aktiengesellschaft der Maschinenfabrik von Theodor Bell & Cie: *See*—  
Hubmeier, Max. 2,710,043.
- Aktiengesellschaft Fritz Studer: *See*—  
Studer, Fritz. 2,708,815.
- Aktiengesellschaft Fuer Technische Studien: *See*—  
Oechslin, Konrad. 2,724,545.
- Aktien-Gesellschaft für Stickstoffdünger: *See*—  
Ritter, Friedbert, Kapp, and Reichert. 2,698,871.
- Aktiengesellschaft für Unternehmungen der Eisen- und Stahlindustrie: *See*—  
Laurila, Erkki A. 2,711,249.
- Aktieselskabet Burmeister & Wains Maskin-Og Skibsbyggeri: *See*—  
Petersen, Ove. 2,704,056.
- Aktieselskabet de Danske Sukkerfabrikker: *See*—  
Brüniche-Olsen, Henning A. 2,713,009.
- Aktieselskabet Fisker & Nielsen: *See*—  
Fisker, Peder A. 2,722,994.
- Akwel Corp.: *See*—  
Shepherd, Harry B. 2,708,960.
- Aladdin Industries, Inc.: *See*—  
Bramming, Carl. 2,705,309.  
Bramming, Carl. 2,705,412.  
Bramming, Carl. 2,714,302.  
Bramming, Carl. 2,722,271.  
Bramming, Carl. 2,726,293.  
Bramming, Carl. 2,726,373.
- Aladdin Mfg. Co.: *See*—  
Smith, John W. 2,727,241.
- Al Akl, Fouad M. 2,705,958, Cl. 128—346.
- Alar Products, Inc.: *See*—  
Steffen, Elmer G. 2,717,777.
- Alarcão, Américo. 2,705,429, Cl. 74—688.
- Alard, William B. 2,704,193, Cl. 244—116.
- Albano, Alphonse F. 2,711,727, Cl. 126—350.
- Albany Felt Co.: *See*—  
Barnes, Charles R. 2,714,051.
- Albee, Arthur C.: *See*—  
Pettus, James L., and Albee. 2,712,941.
- Albee, William H. 2,714,011, Cl. 280—1.
- Alberi, Joseph T., to Bristol Laboratories Inc. 2,721,198, Cl. 260—239.1.
- Alberi, Joseph T., to Bristol Laboratories Inc. 2,728,764, Cl. 260—239.1.
- Alberi, Joseph T., and W. B. Wheatley, to Bristol Laboratories Inc. 2,721,192, Cl. 260—239.1.
- Albers, Heinrich B., to Hydropress, Inc. 2,722,174, Cl. 100—269.
- Albers, Heinrich B., to Hydropress, Inc. 2,722,905, Cl. 113—44.
- Albers, Heinrich B., to Hydropress, Inc. 2,725,982, Cl. 207—15.
- Albers, Heinrich B., to Hydropress Inc. 2,727,556, Cl. 153—35.
- Albers, Heinrich B., and H. Terhune, to Hydropress Inc. 2,703,024, Cl. 78—37.
- Albers, Heinrich B., and F. T. Morrison, to Hydropress Inc. 2,722,144, Cl. 78—13.
- Albers-Schoenberg, Ernst, to Steatite Research Corp. 2,715,109, Cl. 252—62.5.
- Albers-Schoenberg, Ernst, to Steatite Research Corp. 2,728,054, Cl. 336—83.
- Albers-Schönberg, Ernst, to Steatite Research Corp. 2,700,023, Cl. 252—62.5.
- Albers, Teunis. 2,706,581, Cl. 222—181.
- Albert, Luzerne K.: *See*—  
Ingersoll, Roy C., Ferre, and Albert. 2,714,316.
- Albert, Otto, and H. Mader, to Vereinigte Aluminium-Werke Aktiengesellschaft, Oeffentliche Verwaltung der Betriebe Braunau am Inn und Unterlaussa. 2,714,053, Cl. 23—88.
- Albert, Wilhelm, to Ernst Leitz, G. m. b. H. 2,724,311, Cl. 95—18.
- Alberti, Carlo G.: *See*—  
Vercellone, Alberto, and Alberti. 2,727,061.
- Alberts, Arthur J.: *See*—  
Roth, William A. 2,728,430.
- Alberts, Lawrence E., to Minneapolis-Honeywell Regulator Co. Re. 24,010, Cl. 318—489.
- Albertson, Floyd E. 2,705,562, Cl. 209—464.
- Albinson, Harold H., to General Motors Corp. 2,728,333, Cl. 123—59.
- Albisetti, Charles J., Jr., and M. J. Hogsed, to E. I. du Pont de Nemours & Co. 2,728,785, Cl. 260—448.2.



- Albiswerk Zurich A. G.: *See*—  
Riolo, Hans. 2,716,193.
- Albrecht, Alexander J.: *See*—  
Huck, William F., and Albrecht. 2,699,940.  
Huck, William F., and Albrecht. 2,699,941.
- Albrecht, Alexander J., to R. Hoe & Co., Inc. 2,706,947, Cl. 101—415.1.
- Albrecht, Alexander J., to R. Hoe & Co., Inc. 2,708,407, Cl. 101—415.1.
- Albrecht, Alexander J., to R. Hoe & Co. Inc. 2,726,863, Cl. 271—56.
- Albrecht, Arthur H. 2,701,102, Cl. 237—8.
- Albrecht, Hans, and R. Herrlinger, to American Cyanamid Co. 2,715,638, Cl. 260—397.25.
- Albrecht, Hans, and R. Herrlinger, to American Cyanamid Co. 2,715,639, Cl. 260—397.25.
- Albrecht, Ransom C.: *See*—  
Pahl, Leo F., and Albrecht. 2,724,581.
- Albrecht, Warren F., to General Electric Co. 2,708,702, Cl. 219—10.
- Albrecht, William B., to Allis-Chalmers Mfg. Co. 2,709,741, Cl. 219—10.79.
- Albright, Wilhelm, to Hartford National Bank and Trust Co. 2,699,494, Cl. 250—6.
- Albright, John R., and S. E. Larson, to Geo. D. Roper Corp. 2,714,857, Cl. 103—128.
- Albright, Merritt W., and J. J. Foudy, to General Electric Co. 2,717,338, Cl. 317—13.
- Albright, William R.: *See*—  
Szczepanski, Henry F., and Albright. 2,717,566.
- Alburn, Harvey E., to American Home Products Corp. 2,727,889, Cl. 260—209.6.
- Alcala, Maximino S. 2,714,382, Cl. 128—268.
- Alcide Dominique: *See*—  
Duhon, Norbert C. 2,721,256.
- Alco Valve Co.: *See*—  
MacDougall, Franklin M. 2,702,723.  
MacDougall, Franklin M. 2,708,090.  
Moran, James A. 2,714,394.  
Moran, James A. 2,726,019.  
Schoen, Roger W., and Tilney. 2,720,840.
- Alcock, Edmund H.: *See*—  
Thomas, Edward B., Stothard, and Alcock. 2,727,064.
- Alcock, Norman Z.: *See*—  
Procter, Charles G., and Alcock. 2,719,926.
- Alden, Herbert W., to Rockwell Spring and Axle Co. 2,702,194, Cl. 280—104.5.
- Alden, Milton. 2,709,247, Cl. 339—206.
- Alden, Milton. 2,728,627, Cl. 346—101.
- Alden Products Co.: *See*—  
Nyman, Alexander. 2,712,611.
- Alder, Jean. 2,712,243, Cl. 74—230.17.
- Alder, Robert L.: *See*—  
Otis, Russell M., and Alder. 2,700,131.
- Alder, Robert L., to Lane-Wells Co. 2,701,334, Cl. 324—1.
- Alderfer, Donovan C. 2,721,533, Cl. 116—112.
- Alderfer, Sterling W.,  $\frac{3}{10}$  to E. D. Andrews. 2,702,769, Cl. 154—54.
- Alderfer, Sterling W., to Knapp-Monarch Co. 2,710,978, Cl. 9—11.
- Alderfer, Sterling W.,  $\frac{3}{10}$  to E. D. Andrews. 2,726,186, Cl. 154—100.
- Alderman, Dale. 2,710,499, Cl. 51—232.
- Alderson, Ross C.: *See*—  
Schuck, Oscar H., and Alderson. 2,723,089.
- Alderson, Samuel W. 2,701,370, Cl. 3—1.1.
- Alderson, Samuel W. 2,708,496, Cl. 192—92.
- Alderson, Witty L., Jr., and J. T. Maynard, to E. I. du Pont de Nemours & Co. 2,728,637, Cl. 23—134.
- Aldinger, Ulrich, to Robert Bosch G. m. b. H. 2,722,813, Cl. 64—25.
- Aldrich, Max L.,  $\frac{1}{2}$  to G. E. Brown and  $\frac{1}{2}$  to E. H. Dudley. 2,707,277, Cl. 1—44.4.
- Aldrich, Walter S.: *See*—  
Polster, John A., Aldrich, and Berlin. 2,708,076.
- Aldridge, Ira R. 2,726,796, Cl. 222—545.
- Aldrin, Henry W., to Aktiebolaget Bofors. 2,700,539, Cl. 267—1.
- Aleks, Vytant, to General Cement Mfg. Co. 2,728,896, Cl. 339—97.
- Alessi, Andrew J., Jr., to Adolph Gottscho, Inc. 2,727,462, Cl. 101—367.
- Alessi, Patrick A., to Sylvania Electric Products Inc. 2,727,217, Cl. 339—126.
- Alex, Ralph P., to United Aircraft Corp. 2,719,593, Cl. 170—160.55.
- Alex, Ralph P., to United Aircraft Corp. 2,720,271, Cl. 170—160.25.
- Alexander Brothers Belting Co.: *See*—  
Bryson, Gerson L. 2,699,020.
- Alexander, Carl Z. 2,717,738, Cl. 237—16.
- Alexander, Charles H.: *See*—  
Nelb, Robert G., and Alexander. 2,708,189.
- Alexander, Cruzan: *See*—  
Palmer, George H., and Alexander. 2,713,590.
- Alexander, Donald B.: *See*—  
Barrett, Edward L. 2,711,519.  
Barrett, Edward L. 2,711,527.  
Kolstermann, Curt W. 2,699,534.
- Alexander, Focsaneanu. 2,716,712, Cl. 313—110.
- Alexander, Frank C., Jr.: *See*—  
Gunst, Samuel B., and Alexander. 2,720,624.
- Alexander, Frank M., and A. J. Hornfeck, to Bailey Meter Co. 2,708,730, Cl. 318—28.
- Alexander, Frederick M., and H. C. Jones, Jr., to H. C. Jones, Jr., trustee. 2,718,400, Cl. 274—10.
- Alexander, George G. 2,708,055, Cl. 222—478.
- Alexander, George G. 2,715,484, Cl. 222—478.
- Alexander, Henry S., to Keystone View Co. 2,717,529, Cl. 88—20.
- Alexander, James C.: *See*—  
Fulton, George P., and Alexander. 2,715,833.
- Alexander, John D., to Armstrong Cork Co. 2,717,538, Cl. 92—39.
- Alexander, Nolan Y. 2,713,925, Cl. 190—16.
- Alexander, Paul, A. S. Baxter, and M. E. Boston, to Alexander Vacuum Research, Inc. 2,706,762, Cl. 219—19.
- Alexander, Peter P.: *See*—  
Wade, Robert C., and Alexander. 2,702,740.
- Alexander, Peter P., to Metal Hydrides Inc. 2,702,234, Cl. 23—204.
- Alexander, Ralph E., to North American Aviation, Inc. 2,703,311, Cl. 204—50.
- Alexander, Ronald R., to Improved Machinery, Inc. 2,710,635, Cl. 144—162.
- Alexander Vacuum Research, Inc.: *See*—  
Alexander, Paul, Baxter, and Boston. 2,706,762.
- Alexander, Wayne E., to Monsanto Chemical Co. 2,715,947, Cl. 183—115.
- Alexander, William F., to Claber Bi-Metal Plate Co., Inc. 2,704,512, Cl. 101—401.1.
- Alexander, William H. 2,699,776, Cl. 128—214.
- Alexanderson, Ernst F. W. 2,701,821, Cl. 178—5.4.
- Alexanderson, Ernst F. W. 2,707,257, Cl. 318—196.
- Alexanderson, Ernst F. W. 2,711,502, Cl. 318—194.
- Alexanderson, Howard A.: *See*—  
Hague, Robert Z., and Alexanderson. 2,708,427.
- Alexanderson, Howard A., and H. A. Wheeler, to Bendix Aviation Corp. 2,727,578, Cl. 170—135.74.
- Alexandersson, Harald V., to Telefonaktiebolaget L. M. Ericsson. 2,718,560, Cl. 179—84.
- Alexandrescu, Alexander M. 2,720,952, Cl. 192—3.2.
- Alexandrescu, Alexander M. 2,723,736, Cl. 192—12.
- Alfandre, Harry. 2,728,497, Cl. 223—49.
- Alfaro, Agustin. 2,704,990, Cl. 115—24.
- Alford, Andrew: *See*—  
Jasik, Henry. 2,700,112.
- Alford Cartons: *See*—  
Vines, Oscar L. 2,707,073.  
Vines, Oscar L. 2,717,115.  
Vines, Oscar L. 2,717,116.
- Alford, Joseph S., and D. F. Warner, to General Electric Co. 2,713,767, Cl. 60—35.6.
- Alfred, Donald L., and J. G. Commins, to Fieldcrest Mills, Inc. 2,727,116, Cl. 200—168.
- Algemene Kunstzijde Unie, N. V.: *See*—  
Blok, Hendrik L. 2,706,090.
- Alger, John. 2,709,385, Cl. 81—55.
- Alh rit re, Louis, and G. Gobron, to Les Usines de Melle (Soci te Anonyme). 2,713,598, Cl. 260—602.
- Alimanestiano, Mihai, 50% to C. Kroll. 2,707,054, Cl. 214—16.1.
- Alink, Roelof J. H., J. C. A. A. Jaspers, and T. W. van Rijssel, to Hartford National Bank and Trust Co., as trustee. 2,704,262, Cl. 117—62.
- Alix, Elmer C. 2,722,241, Cl. 139—327.
- Alix, Hans, and W. Winkler, to Faber & Schleicher Aktiengesellschaft. 2,709,960, Cl. 101—247.
- Aljets, Martin G. 2,722,168, Cl. 97—230.
- Alkaline Batteries Ltd.: *See*—  
Atkins, John S. 2,722,821.
- Alkan, Robert, to Soci te Francaise d'Equipements pour la Navigation A rienne S. F. E. N. A. 2,704,353, Cl. 336—79.
- Alkon Products Corp.: *See*—  
Parrington, Frank J. 2,722,854.
- Alkydol Laboratories, Inc.: *See*—  
Cody, William P. 2,720,500.
- Allain, Thomas J. 2,721,083, Cl. 273—144.
- Allais, Andr , J. B. Mathieu, and L. Velluz, to Les Laboratoires Francais de Chimioth rapie. 2,710,868, Cl. 260—257.
- All American Engineering Co.: *See*—  
Doolittle, Donald B. 2,718,367.  
Doolittle, Donald B. 2,720,367.  
Janney, Raymond B., II. 2,715,000.  
Smith, Thomas A. 2,715,886.
- All American Engineering Co., Inc.: *See*—  
Doolittle, Donald B. 2,718,368.
- Allan, John, A. Stephens, and D. W. Browne, to British Celanese Ltd. 2,703,434, Cl. 18—14.
- Allan, Robert H., Jr. 2,720,656, Cl. 2—232.
- Allan, Wallace H. 2,725,492, Cl. 310—25.
- Allan, William J., to Missouri Automatic Control Corp. 2,719,894, Cl. 200—138.
- Allander, Claes, to AB Svenska Fl ktfabriken. 2,711,926, Cl. 299—63.
- Allard Instrument Corp.: *See*—  
Skrobisch, Alfred. 2,705,763.  
Skrobisch, Alfred. 2,707,334.  
Skrobisch, Alfred. 2,714,799.
- Allard, Nils G. E. 2,724,458, Cl. 184—3.
- Allard, Val re E. F. C. G. 2,711,254, Cl. 210—199.
- Albert, Eugene F., to Westinghouse Electric Corp. 2,707,253, Cl. 318—6.
- Alderdice Harry E. 2,722,779, Cl. 47—38.



- Allegheny Ludlum Steel Corp.: *See*—  
 Connor, William G. 2,704,247.  
 Crede, John H., and Martin. 2,728,697.  
 Herres, Schuyler A., and Redden. 2,718,465.  
 Herres, Schuyler A., and Southern. 2,708,770.  
 Koh, Pun K. 2,698,813.  
 Methe, Paul S. 2,700,607.  
 Methe, Paul S. 2,711,960.  
 Pitler, Richard K. 2,719,208.  
 Pitler, Richard K. 2,721,137.  
 Stock, Robert J., and McLay. 2,702,320.
- Allen, Albert D., 50% to N. E. Isaacson. 2,706,922, Cl. 81—85.  
 Allen, Alden, to Ansul Chemical Co. 2,699,216, Cl. 169—1.  
 Allen, Alfred M., to Rotax Ltd. 2,719,887, Cl. 200—35.  
 Allen, Arthur C.: *See*—  
 Petroff, Merlin O., and Allen. 2,702,883.  
 Allen, Arthur C., to Stewart-Warner Corp. 2,719,604, Cl. 184—55.
- Allen-Bradley Co.: *See*—  
 De Smidt, Woodrow A. 2,702,845.  
 Knight, George W. 2,721,963.  
 Allen, Cecil P. 2,711,905, Cl. 280—41.  
 Allen, Charles F., F. M. Aimone, and R. B. Booth, to American Cyanamid Co. 2,719,081, Cl. 75—1.  
 Allen, Charles F. H.: *See*—  
 Unruh, Cornelius C., and Allen. 2,706,725.  
 Unruh, Cornelius C., and Allen. 2,716,097.  
 Unruh, Cornelius C., and Allen. 2,716,102.  
 Unruh, Cornelius C., and Allen. 2,716,103.
- Allen, Charles F. H., and G. A. Reynolds, to Eastman Kodak Co. 2,713,541, Cl. 95—7.  
 Allen, Charles F. H., and B. H. Carroll, to Eastman Kodak Co. 2,725,294, Cl. 95—7.  
 Allen, Charles F. H., and B. H. Carroll, to Eastman Kodak Co. 2,725,295, Cl. 95—7.  
 Allen, Charles F. H., and J. R. Byers, Jr., to Eastman Kodak Co. 2,725,305, Cl. 117—34.  
 Allen, Charles F. H., and T. T. M. Laakso, to Eastman Kodak Co. 2,726,162, Cl. 106—125.  
 Allen, Charles F. H., J. R. Byers, Jr., and T. F. Murray, to Eastman Kodak Co. 2,728,663, Cl. 95—7.  
 Allen, Clayton H., to the United States of America as represented by the Secretary of the Army. 2,703,874, Cl. 340—12.  
 Allen, Edwin H., Jr., and A. E. Yoss, to J. W. Menhall. 2,712,868, Cl. 194—78.  
 Allen, Edwin L.: *See*—  
 Schonitzer, Rudolph I., and Allen. 2,723,872.  
 Allen, Edwin L., to R. I. Schonitzer. 2,705,165, Cl. 292—363.
- Allen Electric Equipment Co.: *See*—  
 Wells, Lawrence V., Weidner, and Parmater. 2,715,711.
- Allen, Ernest B. 2,706,606, Cl. 248—20.  
 Allen, Everett L., and H. C. Key. 2,719,657, Cl. 223—84.  
 Allen, Frank C., R. E. Glover, W. U. Garstka, and H. M. Posz. 2,701,472, Cl. 73—171.  
 Allen, George, to Binks Mfg. Co. 2,707,625, Cl. 261—111.  
 Allen, George M., and H. J. McDermott, to American Viscose Corp. 2,718,136, Cl. 68—176.  
 Allen, George W., to Stewart-Warner Corp. 2,716,015, Cl. 251—66.  
 Allen, George W. 2,721,014, Cl. 223—102.  
 Allen, Hartley. 2,724,027, Cl. 200—56.  
 Allen, Henry H., and H. V. Sothers, to British Celanese Ltd. 2,701,718, Cl. 271—218.  
 Allen, Herbert, to Cameron Iron Works. 2,700,906, Cl. 78—60.  
 Allen, Herbert, to Cameron Iron Works, Inc. 2,715,838, Cl. 74—22.  
 Allen, Herbert, to Cameron Iron Works, Inc. 2,716,016, Cl. 251—163.  
 Allen, Howard G., to Bostitch, Inc. 2,722,002, Cl. 1—49.  
 Allen, Howard G., and C. D. Thomas, to Daystrom, Inc. 2,708,394, Cl. 93—81.  
 Allen, Howard I., Jr.: *See*—  
 Easthagen, John H., and Allen. 2,726,992.
- Allen, James S.: *See*—  
 Berger, France B., and Allen. 2,702,857.  
 Allen, John E., 40% to M. E. Berard and 10% to E. A. Lombardi. 2,709,077, Cl. 266—6.
- Allen, John W.: *See*—  
 Wiggins, John H., Allen, and Horner. 2,723,908.  
 Allen, Joseph C., to The Texas Co. 2,699,832, Cl. 166—42.  
 Allen, Joseph C., to The Texas Co. 2,708,481, Cl. 166—9.  
 Allen, Joseph C., to The Texas Co. 2,713,906, Cl. 166—32.  
 Allen, Joseph J. 2,724,922, Cl. 43—142.  
 Allen, Kay W. 2,719,898, Cl. 200—172.
- Allen, Le Roy E.: *See*—  
 Darin, Peter C., and Allen. 2,719,698.  
 Allen, Lester M. 2,722,933, Cl. 128—231.  
 Allen, Louis L. 2,721,758, Cl. 296—61.
- Allen, Oliver L.: *See*—  
 Lampe, Robert C., Beede, Allen, and Cawl. 2,724,456.  
 Allen, Oliver L., to Electrolux Corp. 2,722,710, Cl. 15—418.  
 Allen, Ollie J. 2,722,606, Cl. 250—36.  
 Allen, Paul E., to Richard G. Krueger, Inc. 2,699,785, Cl. 128—360.  
 Allen, Perry E. 2,709,314, Cl. 40—125.  
 Allen, Philip H., and B. J. Chromy. 2,727,683, Cl. 235—61.  
 Allen, Philip J. 2,716,221, Cl. 333—31.
- Allen, Ralph L.: *See*—  
 Bishofberger, Carl J., and Allen. 2,704,819.
- Allen, Raymond W., to The Firestone Tire & Rubber Co. 2,700,297, Cl. 73—9.  
 Allen, Richard H., to Avco Mfg. Co. 2,726,914, Cl. 312—223.  
 Allen, Robert E., and S. F. Hostetler, to the Unilvis Lens Co. 2,719,373, Cl. 41—9.  
 Allen, Robert R., and R. J. Novotny, to Custom Scientific Instruments, Inc. 2,699,289, Cl. 233—26.  
 Allen, Robert R., and R. J. Novotny, to Custom Scientific Instruments, Inc. 2,701,466, Cl. 73—7.  
 Allen, Robert R., and R. J. Novotny, to Custom Scientific Instruments, Inc. 2,721,473, Cl. 73—7.  
 Allen, Rudolph A. 2,723,631, Cl. 105—369.  
 Allen, Scott E. 2,702,600, Cl. 169—31.  
 Allen, Scott E. 2,703,546, Cl. 116—114.  
 Allen-Sherman-Hoff Co., The: *See*—  
 Barber, George R. 2,720,177.  
 Mylting, Lauritz E. 2,725,514.
- Allen, Sidney, to Armstrong Siddeley Motors Ltd. 2,704,435, Cl. 60—35.6.  
 Allen, Sidney, to Armstrong Siddeley Motors Ltd. 2,705,399, Cl. 60—39.66.  
 Allen, Sidney, to Armstrong Siddeley Motors Ltd. 2,705,400, Cl. 60—39.71.  
 Allen, Sidney, to Armstrong Siddeley Motors Ltd. 2,707,965, Cl. 137—75.  
 Allen, Sidney, and M. A. Stokes, to Armstrong Siddeley Motors Ltd. 2,705,401, Cl. 60—39.74.  
 Allen, Sidney, and M. A. Stokes, to Armstrong Siddeley Motors Ltd. 2,706,889, Cl. 60—39.71.  
 Allen, Sidney, and D. Hurden, to Armstrong Siddeley Motors Ltd. 2,708,342, Cl. 60—39.14.  
 Allen, Thomas D., Jr., to J. Bolsey. 2,713,158, Cl. 340—271.  
 Allen, Thomas O., and J. C. McDuffie, Jr., to Esso Research and Engineering Co. 2,718,264, Cl. 166—23.  
 Allen, W. D., Mfg. Co.: *See*—  
 Pratt, Herbert L. 2,710,209.
- Allen, Wallace T., to Square D Co. 2,710,387, Cl. 339—244.  
 Allen, Wallace T., to Square D Co. 2,713,672, Cl. 339—244.  
 Allen, Walter S., to Allied Chemical & Dye Corp. 2,719,075, Cl. 23—129.  
 Allen, Walter T. 2,712,435, Cl. 255—28.  
 Allen, Wesley M. 2,712,196, Cl. 43—43.1.
- Allen, William K.: *See*—  
 Harrington, Ferris T., Allen, and Gardiner. 2,720,171.  
 Allen, William S., to United States Steel Corp. 2,719,820, Cl. 204—28.
- Allenbaugh, George G., to The Ohio Injector Co. 2,726,628, Cl. 118—47.
- Allenby, Owen C. W.: *See*—  
 Brockman, Francis J., and Allenby. 2,715,590.
- Allenson, George T., to Draper Corp. 2,703,587, Cl. 139—54.  
 Aller, Willis F., to The Sheffield Corp. 2,706,339, Cl. 33—178.  
 Aller, Willis F., to The Sheffield Corp. 2,712,695, Cl. 33—168.
- Aller, Willis F., to The Sheffield Corp. 2,718,140, Cl. 73—37.5.  
 Aller, Willis F., to The Sheffield Corp. 2,726,539, Cl. 73—37.9.  
 Aller, Willis F., and A. J. Page, to The Sheffield Corp. 2,727,311, Cl. 33—174.
- Allers, Lawrence P., to Gibson, Inc. 2,709,388, Cl. 84—299.
- Alles, John J. 2,702,896, Cl. 340—40.
- Alleva, Adelio P. 2,718,921, Cl. 160—88.
- Allewelt, Arthur L., to American Viscose Corp. 2,705,231, Cl. 260—216.
- Allewelt, Arthur L., to American Viscose Corp. 2,728,630, Cl. 18—54.
- Allied Chemical & Dye Corp.: *See*—  
 Allen, Walter S. 2,719,075.  
 Bades, Selwyn, and Miller. 2,709,688.  
 Darley, Merrill M. 2,711,384.  
 Erchak, Michael, Jr. 2,712,534.  
 Erchak, Michael, Jr. 2,713,071.  
 Erchak, Michael, Jr. 2,717,910.  
 Erchak, Michael, Jr., Koch, and Knutson. 2,701,242.  
 Fleyscher, Maurice H. 2,705,668.  
 Gilbert, Everett E. 2,702,305.  
 Gilbert, Everett E., and Giolito. 2,704,295.  
 Gilbert, Everett E., Moran, and Petry. 2,723,990.  
 Harris, John E., Jr., Smith, and McCann. 2,716,594.  
 Hatcher, David B. 2,715,065.  
 Hatcher, David B., and Bunnell. 2,726,176.  
 Lawton, Joseph J. 2,720,486.  
 Litant, Irving, and Miller. 2,723,296.  
 Litant, Irving, and Miller. 2,723,297.  
 Litant, Irving, and Townend. 2,716,593.  
 Mackinnon, Bernard R. 2,702,280.  
 Martin, Andrew J. 2,723,271.  
 Merriam, Henry F., and Hurmence. 2,726,933.  
 Mueller, Max B. 2,723,272.  
 Otto, Julian A., and Veldhuis. 2,702,303.  
 Penley, Benjamin S. 2,711,032.  
 Penley, Benjamin S. 2,721,144.  
 Plueddemann, Edwin P., and Hatcher. 2,717,900.  
 Terziev, George N. 2,705,187.  
 Voelker, Joseph G. 2,700,601.  
 Voelker, Joseph G. 2,700,602.  
 Winstrom, Leon O. 2,716,135.  
 Woolf, Cyril. 2,714,618.  
 Yodis, Anthony W. 2,725,280.  
 Zybert, Walter J. 2,700,034.  
 Zybert, Walter J. 2,721,785.



- Allied Electric Products, Inc.: *See*—  
Weisberg, Sidney M. 2,711,011.  
Weisberg, Sidney M. 2,711,521.
- Allied Laboratories, Inc.: *See*—  
Brooker, Robert M. 2,720,520.  
Brooker, Robert M. 2,720,521.  
Brooker, Robert M. 2,720,522.  
Brueckner, Alfred H., Meadows, and W. S. and R. B. Gochenour. 2,720,485.  
Gochenour, Raymond B. and A. M. 2,728,859.  
Jeffries, Sampson F. 2,713,019.  
Meadows, Carl M., Brueckner, and Gochenour. 2,720,484.
- Allied Products Corp.: *See*—  
Haller, John. 2,704,465.  
Haller, John. 2,706,693.  
Haller, John. 2,706,694.  
Haller, John. 2,728,134.  
Haller, John. 2,728,619.
- Allied Steel and Conveyors, Inc.: *See*—  
Harrison, Homer S. 2,701,048.  
Harrison, Homer S. 2,702,149.
- Allis-Chalmers Mfg. Co.: *See*—  
Ainsworth, Chester D. 2,708,698.  
Albrecht, William B. 2,709,741.  
Anderson, John M., Croker, and Glishe. 2,705,781.  
Asti, Jacob F. 2,715,686.  
Bank, Thor G., and Teland. 2,723,326.  
Baude, John. 2,709,235.  
Beckwith, Sterling. 2,716,727.  
Bentzen, La Verne F. 2,724,038.  
Bidwell, Harry H. 2,723,137.  
Boehne, Eugene W. 2,721,916.  
Brill, Edward F. 2,715,190.  
Brundage, John F. 2,704,021.  
Cart, Ward B. 2,703,736.  
Charley, Walter G. 2,707,425.  
Cody, Benjamin L. 2,728,146.  
Cook, Eugene B. 2,723,753.  
Dahlstrand, Hans P. 2,713,831.  
Eagan, William F., and Robertson. 2,723,372.  
Ferguson, Rector C. 2,705,860.  
Ferguson, Rector C. 2,723,519.  
Ferguson, Rector C. 2,723,769.  
Ferguson, Rector C. 2,728,184.  
Fischer, Raymond C. 2,707,058.  
Forrest, Frank R. 2,723,196.  
Hauk, Joseph. 2,698,644.  
Henter, Mathias. 2,701,171.  
Jansson, Gustav E. 2,708,699.  
Johnston, Gorman J. 2,724,735.  
Kececioglu, Dimitri B. 2,722,840.  
Knudsen, Thomas C. 2,708,850.  
Knudsen, Thomas C. 2,723,138.  
Krause, Erwin W. 2,714,520.  
Otto, Eugene J. 2,721,484.  
Peterson, Walter L. 2,712,110.  
Rheingans, William J. 2,713,643.  
Ringland, William L. 2,715,205.  
Ringland, William L. 2,726,361.  
Rockwell, Harvey W. 2,723,878.  
Roubal, Alexander J. 2,702,634.  
Roubal, Alexander J. 2,706,656.  
Roubal, Alexander J. 2,723,814.  
Salzer, Erwin. 2,714,645.  
Scranton, Charles J. 2,704,078.  
Sealey, William C. 2,713,126.  
Sealey, William C. 2,713,141.  
Sealey, William C. 2,713,142.  
Sealey, William C. 2,723,352.  
Sikorra, Daniel J. 2,722,654.  
Sikorra, Daniel J. 2,728,071.  
Timmerman, Julius W. 2,724,754.  
Toth, Michael. 2,724,603.  
Vogel, Fred J. 2,723,379.  
Walberg, Maynard E. 2,715,554.  
Walberg, Maynard E. 2,723,613.  
Weltmer, Wilton W. Re. 24,019.  
Whisler, Paul A. 2,728,180.  
Winograd, Harold. 2,712,086.  
Wolfe, John A. 2,706,267.  
Worrell, Robert L., and Adams. 2,705,961.  
Yerkes, Dean H. 2,699,105.  
Ziehr, Donald J. 2,728,810.
- Allison, Donald K.: *See*—  
Houston, Herbert W., Urbany, and Allison. 2,720,835.  
Allison, Donald K.,  $\frac{1}{2}$  to R. W. Fulwider, W. L. Patton, and W. K. Rieber. 2,704,274, Cl. 204—176.  
Allison, Gordon R. 2,718,920, Cl. 160—20.  
Allison, James W. 2,701,993, Cl. 97—46.27.  
Allison, John L.: *See*—  
Adams, Paul R., and Allison. 2,714,199.  
Allison, John L., to International Telephone and Telegraph Corp. 2,726,387, Cl. 343—113.  
Allison, John R., to Leffingwell Co. 2,726,188, Cl. 167—24.  
Allison, Ralph E., to Patent Management, Inc. 2,719,276, Cl. 336—110.  
Allison, Ralph E., to Patent Management, Inc. 2,719,897, Cl. 200—153.  
Allison, Truman B. 2,719,610, Cl. 188—32.  
Allison, Will H., and R. T. Wilson. 2,708,009, Cl. 188—4.  
Allison, William M.: *See*—  
Netherwood, Paul H., and Allison. 2,721,311.  
Ross, Sidney D., and Allison. 2,719,182.  
Schenker, Bernard, and Allison. 2,721,310.
- Allman, Arvel D.,  $\frac{1}{2}$  to B. Bourret. 2,714,717, Cl. 2—13.  
Allman, Arvel D. 2,715,977, Cl. 220—20.5.
- Allmanna Svenska Elektriska Aktiebolaget: *See*—  
Berg, Helge. 2,721,282.  
Böckman, Oluf C. 2,723,367.  
Borg, Lennart. 2,712,635.  
Forwald, Haakon. 2,709,737.  
Forwald, Haakon. 2,712,428.  
Forwald, Haakon. 2,724,751.  
Gynt, Sven, and Lindstedt. 2,711,490.  
Lamm, Uno. 2,716,726.  
Lamm, Uno, and Uhlmann. 2,707,765.  
Alloway, Vivian P. Re. 24,073, Cl. 146—119.
- Alloy Steel and Metals Co.: *See*—  
Francis, Paul R. 2,716,824.
- All-Steel Equipment Inc.: *See*—  
Abrahamson, Charles M. 2,714,544.  
Abrahamson, Charles M. 2,714,545.
- Allswede, Keith A.: *See*—  
Ruh, Robert P., Davis, and Allswede. 2,705,229.
- Allsworth, Clifton L., and H. A. Shook. 2,698,873, Cl. 174—45.
- Allwood Inc.: *See*—  
Fischer, Albert. 2,727,542.  
Kull, Walter, and Steiner. 2,717,703.
- Allyn, Charles C., to General Electric Co. 2,712,059, Cl. 240—51.11.
- Alm, Karl M., and B. E. Oghammar, to Lumalampan Aktiebolag. 2,699,630, Cl. 49—7.
- Almer, Sven B.: *See*—  
Dahl, Gustav S. A., and Almer. Re. 24,045.
- Almgren, August E., to American Can Co. 2,721,612, Cl. 164—42.
- Almin Patents Ltd.: *See*—  
Gross, Philipp, and Levi. 2,718,464.
- Almquist, Nils T., 50% to Raymond Engineering Laboratory, Inc. 2,702,515, Cl. 112—77.
- Alonso, Sergio A., and J. Fruns. 2,721,398, Cl. 35—23.
- Alperin, Max, and L. N. Baenziger, to Royal Electric Co., Inc. 2,726,322, Cl. 240—52.4.
- Alpert, Daniel, to Westinghouse Electric Corp. 2,727,167, Cl. 313—7.
- Alpert, Marshall B., and W. F. Sullivan, to National Lead Co. 2,712,523, Cl. 204—61.
- Alphin, Gilbert E., Jr. 2,702,134, Cl. 214—83.1.
- Alpine Aktiengesellschaft, Eisengiesserei und Maschinenfabrik: *See*—  
Beushausen, Walter, and Rumpf. 2,712,416.
- Alspaugh, Paul L., J. W. Heimaster, and R. L. McNeill, to Union Carbide and Carbon Corp. 2,699,328, Cl. 262—26.
- Alstrom, Albert I., to Wico Electric Co. 2,727,410, Cl. 74—810.
- Altar, William, and T. Miller, to Westinghouse Electric Corp. 2,707,269, Cl. 332—56.
- Altec Lansing Corp.: *See*—  
Veneklasen, Paul S., and Moreland. 2,716,187.
- Altemus, James D. 2,703,953, Cl. 55—138.
- Altemus, James D. 2,727,519, Cl. 131—182.
- Altenberg, Heinrich, to Porsche Konstruktionen G. m. b. H. 2,707,943, Cl. 123—32.
- Altenburger, Ernst: *See*—  
Westinger, Karl, Altenburger, and Hirt. 2,705,106.  
Westinger, Karl, Altenburger, and Hirt. 2,722,383.
- Altenpohl, Dietrich, to Aluminum-Walzwerke Singen G. m. b. H. 2,699,382, Cl. 41—42.
- Alter, George E., Jr.: *See*—  
Barker, George E., and Alter. 2,718,499.
- Alter, Siegfried: *See*—  
Crabtree, John A., Wintle, and Alter. 2,712,440.
- Altgelt, Herman E., to Deere & Co. 2,710,569, Cl. 97—47.14.
- Altgelt, Herman E., to Deere & Co. 2,722,877, Cl. 97—47.89.
- Altgelt, Rudolph J., to Ford Motor Co. 2,701,510, Cl. 97—47.14.
- Altgelt, Rudolph J., to Ford Motor Co. 2,704,019, Cl. 97—47.55.
- Altgelt, Rudolph J., and A. C. Lindgren, to Ford Motor Co. 2,712,279, Cl. 97—47.28.
- Altgelt, Rudolph J., and R. C. Frevik, to Ford Motor Co. 2,727,453, Cl. 97—53.
- Altherr, Walter M., to A. B. Chance Co. 2,701,325, Cl. 317—132.
- Altieri, Joseph R., to Acton Laboratories, Inc. 2,724,034, Cl. 201—56.
- Altman, Fred E., to Eastman Kodak Co. 2,715,855, Cl. 88—57.
- Altman, Peter: *See*—  
Bakke, Laurence D., and Altman. 2,714,376.
- Altman, Berton G.: *See*—  
Austin, Leslie W., Elmer, and Altman. 2,702,751.
- Altman, George O., to General Aniline & Film Corp. 2,720,453, Cl. 75—0.5.
- Alton Box Board Co.: *See*—  
Hollis, Robert F. 2,701,988.
- Altorfer, Alpheus W., Jr., to Altorfer Bros. Co. 2,715,330, Cl. 68—131.
- Altorfer, Alpheus W., Jr., and J. A. Castricone, to Altorfer Bros. Co. 2,709,908, Cl. 68—23.
- Altorfer Bros. Co.: *See*—  
Altorfer, Alpheus W., Jr. 2,715,330.  
Altorfer, Alpheus W., Jr., and Castricone. 2,709,908.
- Altosaar, Heino, to Dominion Textile Co. Ltd. 2,727,979, Cl. 219—41.
- Altruda, Joseph B. 2,722,972, Cl. 155—140.
- Altschul, Aaron M.: *See*—  
King, William H., Thurber, and Altschul. 2,726,155.



- Altstadter, George. 2,722,719, Cl. 18—55.  
 Alumanode Converters, Inc.: *See—*  
 Moore, Charles R. 2,701,834.  
 Alumbaugh, Harirs T. 2,705,454, Cl. 101—301.  
 Aluminum Bronze Co., Ltd.: *See—*  
 Cleiff, Joseph A. 2,715,827.  
 Aluminum Co. of America: *See—*  
 Carter, Irwin M. 2,723,028.  
 Chestnut, Robert. 2,714,450.  
 Criner, Charles B. 2,706,680.  
 Fish, William M. 2,715,548.  
 Guiney, Karl B., and Anderson. 2,698,684.  
 Jardine, Frank. 2,715,052.  
 Kappes, Walter R., Vanden Berg, and Wodehouse. 2,719,796.  
 Miller, Mike A. 2,723,448.  
 Miller, Mike A. 2,723,449.  
 Phillips, Robert M. 2,715,474.  
 Aluminium Laboratories, Ltd.: *See—*  
 Hartwick, Elbert F., Miners, and Phillips. 2,698,777.  
 McFall, Stanley E. 2,720,968.  
 Phillips, Norman W. F., Rapson, and Hollingshead. 2,723,911.  
 Wilson, William G. M. 2,720,967.  
 Aluminum Products, Inc.: *See—*  
 Du Bois, Arthur E. 2,710,050.  
 Aluminum-Walzwerke Singen G. m. b. H.: *See—*  
 Altenpohl, Dietrich. 2,699,382.  
 Alvarez, Luis W., to the United States of America as represented by the Secretary of the Navy. 2,717,960, Cl. 250—36.  
 Alvarez, Luis W., B. Rossi, and F. C. Chromey, to the United States of America as represented by the Secretary of the Navy. 2,706,793, Cl. 250—83.6.  
 Alvarez, Octavio J.,  $\frac{1}{4}$  to M. De Reitzes-Marienwert, and  $\frac{3}{4}$  to O. J. Alvarez. 2,718,223, Cl. 126—362.  
 Alverson, John E., and B. T. Stevenson. 2,707,094, Cl. 255—53.  
 Alvey-Ferguson Co., The: *See—*  
 Sullivan, Norman M. 2,706,609.  
 Alvord, Charles C., to Norton Co. 2,723,504, Cl. 51—105.  
 Alvord, Grove D., to Synton Co. 2,726,341, Cl. 310—29.  
 Alyea, Harold W., and O. Scharpf, to Johnson Service Co. 2,727,691, Cl. 236—38.  
 Alwood, Earle R., Jr. 2,713,200, Cl. 30—32.  
 Amacher, Arthur A. 2,721,560, Cl. 132—42.  
 Amado, Dora G. 2,704,906, Cl. 45—24.  
 Amalgamated Roadstone Corp. Ltd.: *See—*  
 Knutsen, Oivind L. 2,721,006.  
 Amalite Inc.: *See—*  
 Briglia, Anton. 2,701,493.  
 Briglia, Anton. 2,720,296.  
 Amana Refrigeration, Inc.: *See—*  
 Cooper, La Mar S. 2,720,334.  
 Foerstner, George C. 2,728,623.  
 Moore, Robert E. 2,720,335.  
 Moore, Robert E. 2,724,524.  
 Moore, Robert E. 2,725,727.  
 Amand, George H. 2,727,558, Cl. 153—79.  
 Amann, Frederick H. 2,710,109, Cl. 215—12.  
 Amann, Ralph W. 2,724,495, Cl. 273—145.  
 Moore, Robert E., and Bower. 2,725,546.  
 Ambear, Alfred. 2,699,306, Cl. 244—149.  
 Amberg, Walter E.: *See—*  
 Bowes, Arthur S., St. Clair, and Amberg. 2,728,209.  
 Amberg, Walter E., to Lily-Tulip Cup Corp. 2,707,588, Cl. 229—43.  
 Ambler, Cecil P., to Polymer Corp. Ltd. 2,720,942, Cl. 184—18.  
 Ambrose, Edwin R., to The Minister of National Defense of Canada. 2,710,652, Cl. 158—92.  
 Ambrose, Paul E.: *See—*  
 Hawie, Gabriel S., Sebrell, and Ambrose. 2,723,434.  
 Ambrosio, Biagio F. 2,706,745, Cl. 178—70.  
 Ambrosio, Biagio F. 2,707,209, Cl. 178—66.  
 Amelio, Armand F., and R. Mayer. 2,705,576, Cl. 221—232.  
 Amendola, James V. 2,716,847, Cl. 51—187.  
 Amendola, Leon, to Turner Hall Corp. 2,723,671, Cl. 132—7.  
 American Agricultural Chemical Co., The: *See—*  
 Evans, Robert D. 2,708,517.  
 Evans, Robert D. 2,714,958.  
 American Air Filter Co., Inc.: *See—*  
 Hubbard, Arthur F. 2,723,616.  
 Spackman, Thomas F. 2,720,916.  
 American Baler Co., The: *See—*  
 Seltzer, Robert E. 2,720,159.  
 Seltzer, Robert E. 2,722,884.  
 Tea, Frank C., Jr. 2,710,230.  
 American Blower Corp.: *See—*  
 Anderson, Axel F. L. 2,707,376.  
 American Bosch Arma Corp.: *See—*  
 Bock, Charles D. 2,713,143.  
 Crocker, William D., and Strniste. 2,725,436.  
 Davis, Sidney. 2,713,660.  
 Jewell, Wendell D. 2,713,270.  
 Jorgensen, Paul S., and Newman. 2,718,789.  
 Krell, Alfred. 2,700,119.  
 Miller, Sidney E., and Terry. 2,705,812.  
 Statsinger, Joseph. 2,700,829.  
 American Brake Shoe Co.: *See—*  
 Avery, Howard S. 2,704,240.  
 Baker, John H. 2,716,526.  
 Olson, Walter J. 2,711,831.  
 Reinhardt, Henry B. 2,721,707.  
 Spokes, Ray E. 2,713,013.  
 Wilson, Rosser L. 2,711,230.  
 American Brass Co., The: *See—*  
 Bauer, William A., Jr. 2,712,949.  
 Coolidge, John E., and Anderson. 2,714,698.  
 Dickson, William B. 2,718,316.  
 Macaulay, William R., and Anderson. 2,708,254.  
 Voegeli, Henry E. 2,715,457.  
 American Can Co.: *See—*  
 Almgren, August E. 2,721,612.  
 Atkinson, Reid G. 2,726,008.  
 Critzman, Clarence G., and Royce. 2,700,614.  
 Czarnecki, John D. 2,711,713.  
 Erb, George C. 2,700,355.  
 Gedde, Erik. 2,708,893.  
 Gedde, Erik. 2,719,037.  
 Geertsen, Nelson. 2,712,870.  
 Gueffroy, Walter A. 2,711,706.  
 Hebert, Harold C. 2,717,089.  
 Huntar, Felix, and Frey. 2,711,821.  
 Jacobs, Samuel S. 2,700,495.  
 Jacobs, Samuel S. 2,720,352.  
 Kuehne, Herbert A. 2,700,132.  
 Maher, William W. 2,726,752.  
 Melzer, Julius. 2,721,396.  
 Nordquist, Ronald E. J. 2,698,693.  
 Nordquist, Ronald E. J. 2,702,120.  
 Pechy, William, and Grover. 2,700,465.  
 Pottle, Ralph K. 2,721,683.  
 American Car and Foundry Co.: *See—*  
 Schwarting, Harry F. 2,719,899.  
 Walsh, Robert. 2,719,487.  
 Walsh, Robert. 2,719,488.  
 American Casting & Mfg. Corp.: *See—*  
 Wenk, Henry L. C., Jr. 2,707,647.  
 American Chain and Cable Co., Inc.: *See—*  
 Smith, Charles W. 2,722,831.  
 American Chemical Paint Co.: *See—*  
 Douty, Alfred, and Smith. 2,709,781.  
 American Cholesterol Products, Inc.: *See—*  
 Conrad, Lester I., and Motiuk. 2,725,334.  
 American Collo Corp.: *See—*  
 Winkler, Joseph. 2,725,396.  
 American Colortype Co.: *See—*  
 Payne, Richard M. 2,708,863.  
 Payne, Richard M. 2,725,100.  
 American Cyanamid Co.: *See—*  
 Ablondi, Frank B., and Adam. 2,701,227.  
 Albrecht, Hans, and Herrlinger. 2,715,638.  
 Albrecht, Hans, and Herrlinger. 2,715,639.  
 Allen, Charles F., Aimone, and Booth. 2,719,081.  
 Amick, Chester A. 2,702,258.  
 Anderson, George W. 2,722,539.  
 Anderson, George W., and Young. 2,722,526.  
 Ashley, Kenneth D. 2,701,793.  
 Ashley, Kenneth D. 2,702,792.  
 Bailey, Edwin M., Jr. 2,711,728.  
 Baker, Bernard R., and McEvoy. 2,701,798.  
 Baker, Bernard R., and Schaub. 2,705,715.  
 Bann, Robert F., and Conn. 2,703,812.  
 Barthel, Justus C., and Hastings. 2,717,838.  
 Bernstein, Seymour, and Littell. 2,700,666.  
 Bernstein, Seymour, and Querry. 2,725,388.  
 Boatwright, Leslie G. 2,712,491.  
 Boatright, Leslie G., and Mackay. 2,721,786.  
 Boothe, James H., and Kushner. 2,704,290.  
 Brody, Frederick. 2,725,375.  
 Brody, Frederick. 2,725,376.  
 Brody, Frederick, and Long. 2,725,377.  
 Butler, George D., and Loukowsky. 2,725,487.  
 Cadwell, Leonard E., and Petropoulos. 2,713,039.  
 Cadwell, Leonard E., and Schmutzler. 2,711,431.  
 Callahan, Henry P., and Jordan. 2,698,968.  
 Carnes, Joseph J., and Madison. 2,698,856.  
 Carpenter, Joseph E. 2,703,795.  
 Carpenter, Joseph E. 2,708,666.  
 Carpenter, Joseph E. 2,710,856.  
 Chao, Tsai H. 2,705,670.  
 Cherlow, Herman, Bart, and Hill. 2,700,060.  
 Clark, Joe H. 2,712,012.  
 Cowen, Frank M., and Madison. 2,723,999.  
 Cresswell, Arthur. 2,726,769.  
 Cummings, Percival W., Jr., Salisbury, and Obuchowski. 2,721,650.  
 Davis, Arnold R. 2,716,635.  
 Davis, Arnold R. 2,716,636.  
 Denton, John J. 2,716,121.  
 Denton, John J. 2,723,269.  
 Denton, John J. 2,725,399.  
 Dixon, James K. 2,708,644.  
 Dixon, James K., and Woodberry. 2,706,718.  
 Drechsel, Erhart K. 2,701,246.  
 Drechsel, Erhart K. 2,717,890.  
 Eastes, John W., and Cooke. 2,699,440.  
 Eastes, John W., and Cooke. 2,699,442.  
 Eastes, John W., and Cooke. 2,699,443.  
 Eastes, John W., and Cooke. 2,699,444.  
 Eastes, John W., and Cooke. 2,721,853.  
 Esposito, John, Jr. 2,715,466.



American Cyanamid Co.: *See*—Continued.

Fluck, Linton A., and Logan. 2,718,478.  
 Friedlander, Henry Z., and Barber. 2,706,186.  
 Friedlander, Henry Z., and Barber. 2,713,041.  
 Garbarini, John J. 2,717,267.  
 Goldman, Leon. 2,717,896.  
 Goldman, Leon, and Williams. 2,724,712.  
 Goldman, Leon, and Williams. 2,724,713.  
 Hardy, William B., and Westlake. 2,712,017.  
 Hardy, William B., and Westlake. 2,716,653.  
 Hawkins, Samuel R. 2,702,781.  
 Hechenbleikner, Ingenuin. 2,704,297.  
 Hechenbleikner, Ingenuin. 2,719,174.  
 Hettrick, Ames B. 2,721,787.  
 Hook, Edwin O., and Beegle. 2,717,241.  
 Howell, Edgar A. 2,701,468.  
 Hultquist, Martin E., and Roth. 2,717,250.  
 Hutchings, Brian L. 2,702,807.  
 Hutchings, Brian L., and Gordon. 2,704,288.  
 Hutchings, Brian L., Gordon, and Wolf. 2,704,289.  
 Jaquay, Louis H. 2,702,818.  
 Johnson, Gerald A. 2,713,018.  
 Kaiser, Donald W., and Peters. 2,721,218.  
 Kaiser, Donald W., and Peters. 2,723,274.  
 Kaiser, Donald W., and Peters. 2,723,275.  
 Kienle, Roy H., and Amick. 2,708,150.  
 Kienle, Roy H., Eastes, and Cooke. 2,717,246.  
 Kropa, Edward L., and Welcher. 2,703,792.  
 Kruppa, William J., and Marlowe. 2,700,618.  
 Kushner, Samuel. 2,722,533.  
 Landes, Chester G. 2,714,276.  
 Landes, Chester G., and Reynolds. 2,698,793.  
 Leavitt, Julian J. 2,712,005.  
 Lecher, Hans Z., Chao, and Whitehouse. 2,717,906.  
 Lecher, Hans Z., and Hardy. 2,706,200.  
 Lecher, Hans Z., and Hardy. 2,712,547.  
 Lecher, Hans Z., and Kosloski. 2,727,922.  
 Long, Robert S., Green, and Fiess. 2,721,111.  
 Lundberg, Lennart A. 2,712,002.  
 Lurie, David. 2,711,370.  
 Lurie, David. 2,711,371.  
 Mackay, Johnstone S., and Sund. 2,712,492.  
 Magri, Ralph J., Jr., and Marcot. 2,715,501.  
 Magri, Ralph J., Jr., and Sieber. 2,721,793.  
 Maresh, Charles, and Buc. 2,707,900.  
 McSheehy, Justin A. 2,727,045.  
 Mooradian, Shannon, and Milson. 2,723,178.  
 Morrison, Thomas J., Jr., and Galvanek. 2,710,924.  
 Nagy, Daniel E. 2,701,749.  
 Naylor, Ralph A., and Hook. 2,723,969.  
 Padbury, John J., and Price. 2,726,229.  
 Peters, Grace A., and Kaiser. 2,721,217.  
 Petty, Milton A., Jr. 2,709,672.  
 Phelps, Allen S., Muller, and McCormick. 2,700,635.  
 Pickens, Roy A., and Forbes. 2,723,750.  
 Pidacks, Charles. 2,720,727.  
 Price, John A. 2,723,258.  
 Price, John A. 2,727,021.  
 Price, John A., and Padbury. 2,722,525.  
 Pullman, Joseph C. 2,707,367.  
 Pullman, Joseph C. 2,707,368.  
 Pullman, Joseph C. 2,707,369.  
 Pullman, Joseph C. 2,707,499.  
 Pullman, Joseph C., and Ritson. 2,708,650.  
 Rees, Thomas. 2,710,865.  
 Rees, Thomas, and Dorf. 2,723,974.  
 Rogers, Margaret M., and English. 2,712,011.  
 Sanborn, William E. 2,711,465.  
 Scalera, Mario, and Adams. 2,700,669.  
 Scalera, Mario, and Eberhart. 2,702,759.  
 Scalera, Mario, and Gadea. 2,719,154.  
 Schiller, Arthur M., and Suen. 2,698,787.  
 Schlager, Earle G., and Sandhage. 2,714,980.  
 Sears, Carlton A., and Wilson. 2,723,991.  
 Seruto, Joseph. 2,709,697.  
 Seruto, Joseph. 2,709,698.  
 Sibley, Richard M. 2,720,788.  
 Sisco, William E., and Wiederecht. 2,708,653.  
 Smith, James M., Jr., and Germann. 2,711,423.  
 Smolin, Edwin M. 2,718,532.  
 Smolin, Edwin M. 2,718,533.  
 Stirn, Frank E., and Taylor. 2,720,109.  
 Stirn, Frank E., and Taylor. 2,720,341.  
 Stirn, Frank E., and Taylor. 2,720,353.  
 Stirn, Frank E., and Taylor. 2,720,463.  
 Strong, Allen K. 2,698,696.  
 Suen, Tzeng-Jiueq. 2,715,619.  
 Tarantino, Frank R., and Tullsen. 2,723,980.  
 Thomas, Walter M. 2,712,004.  
 Thomas, Walter M. 2,718,515.  
 Thomas, Walter M. 2,724,967.  
 Troianello, Emilio J. 2,724,694.  
 Tullsen, Volney. 2,723,981.  
 Van Order, Robert B., and Reeves. 2,723,917.  
 Vaughan, James R., Jr. 2,710,857.  
 Vaughan, James R., Jr. 2,713,574.  
 Vaughan, James R., Jr., and Eichler. 2,721,204.  
 Vitalis, Emil A. 2,717,842.  
 Vitalis, Emil A. 2,717,877.  
 Vitalis, Emil A. 2,721,848.  
 Von, Isaiah. 2,716,645.  
 Vriens, Gerard N., and Medcalf. 2,727,927.  
 Wallace, Frederick J. 2,706,979.  
 Waller, Coy W., and Wolf. 2,716,651.

American Cyanamid Co.: *See*—Continued.

Webb, John S., and Arlt. 2,705,714.  
 Webb, John S., and Tomcufcik. 2,714,110.  
 Westlake, Harry E., Jr., and Hardy. 2,716,654.  
 Westlake, Harry E., Jr., and Hardy. 2,717,255.  
 Wicker, Dan B. 2,698,970.  
 Wille, Karl. 2,705,682.  
 Wison, Irvin, Cummings, and Cresswell. 2,714,052.  
 Wolfe, Don M., and Sharpless. 2,705,696.  
 Wooding, William M., and Suen. 2,719,798.  
 Wright, William B., Jr. 2,714,105.  
 Wright, William B., Jr., Smith, and Collins. 2,715,644.  
 Yen, Ernest C., and Stirn. 2,727,833.  
 Yost, John F., and Frederick. 2,701,391.  
 Young, Richard W., and Barbaro. 2,708,667.  
 American Defibrator Inc.: *See*—  
 Messing, Hjalmar S. 2,710,726.  
 American District Telegraph Co.: *See*—  
 Evans, Francis C. 2,721,991.  
 Evans, Francis C. 2,721,992.  
 Evans, Francis C., and Barta. 2,723,703.  
 Kelly, Lawrence H. 2,715,192.  
 MacDonald, Leslie A., and Kelly. 2,715,191.  
 American Drill Bushing Co.: *See*—  
 Stein, Jack L. and P. A. 2,728,249.  
 American Drill Bushing Co., Inc.: *See*—  
 Armacost, Robert H. 2,698,547.  
 American Electrical Heater Co.: *See*—  
 Thomas, Laurence H. 2,721,251.  
 American Electro Metal Corp.: *See*—  
 Hansgirt, Fritz J. 2,709,154.  
 Scanlan, Joseph P. 2,719,095.  
 American Enka Corp.: *See*—  
 Bakker, Willem. 2,728,446.  
 Barnes, Robert R., Keith, and Robinson. 2,728,131.  
 Blomberg, Barend J. 2,728,629.  
 Dosier, John P. 2,728,628.  
 Griset, Ernest J., Jr. 2,706,089.  
 Griset, Ernest J., Jr. 2,724,957.  
 Griset, Ernest J., Jr. 2,725,276.  
 Griset, Ernest J., Jr., Godehn, Nothstein, and Whitehurst. 2,724,956.  
 Henry, William V. 2,728,529.  
 Howell, Fred A., and Rhea. 2,725,067.  
 Kreek, Petrus J., and Teunissen. 2,706,159.  
 Lindel, August, and Hofer. 2,709,282.  
 Rilling, Hugh P., and Nichols. 2,725,277.  
 American Flange & Mfg. Co., Inc.: *See*—  
 Parish, Preston S., Marchyu, and Pentesco. 2,718,979.  
 American Flexible Coupling Co.: *See*—  
 Shenk, Robert H. 2,698,529.  
 American Floor Surfacing Machine Co., The: *See*—  
 Dolan, Francis D., and Latimer. 2,722,091.  
 American Forging & Socket Co.: *See*—  
 Cartwright, Clifford J. 2,725,092.  
 Duncan, Charles R. 2,723,711.  
 American Gage & Machine Co.: *See*—  
 Bernreuter, Herbert A. 2,725,529.  
 American Gas Furnace Co.: *See*—  
 Osterman, Philip C. 2,726,854.  
 American Hardware Corp., The: *See*—  
 Ahlquist, Russell W. 2,708,357.  
 Cain, William C. 2,701,161.  
 Fisler, Leland H. 2,707,385.  
 Fisler, Leland H. 2,724,607.  
 Hayes, Thomas A. 2,719,048.  
 McConnell, Frank J. 2,702,466.  
 McConnell, Frank J. 2,723,258.  
 McConnell, Frank J., and Fletcher. 2,713,257.  
 Teich, Ernest L., and Fletcher. 2,701,160.  
 Teich, Ernest L. 2,723,150.  
 Teich, Ernest L., and Fletcher. 2,721,095.  
 Welch, Nicholas A. 2,700,886.  
 American Hoist & Derrick Co.: *See*—  
 Brown, Archer W. 2,703,180.  
 Gray, Donald C. 2,703,633.  
 American Home Products Corp.: *See*—  
 Albun, Harvey E. 2,727,889.  
 Bernhart, Finn W., Eckhardt, Janson, and Tinkler. 2,714,068.  
 Blomberg, Richard N., and Bruce. 2,700,681.  
 Blomberg, Richard N., and Bruce. 2,700,682.  
 Bruce, William F., and Seifter. 2,700,680.  
 Bruce, William F., and Seifter. 2,719,862.  
 Deans, Sidney A. V., and Scarrow. 2,712,009.  
 Deans, Sidney A. V., and Scarrow. 2,712,010.  
 Deans, Sidney A. V., Scarrow, and Beall. 2,711,988.  
 Glen, William L., Myers, Barber, and Grant. 2,715,121.  
 Grant, Gordon A., Glen, and Barber. 2,727,898.  
 György, Paul. 2,708,178.  
 György, Paul, Kuhn, and Ruelius. 2,708,165.  
 György, Paul, Kuhn, and Zilliken. 2,710,806.  
 György, Paul, Kuhn, and Zilliken. 2,710,807.  
 Heisterkamp, Charles A., Menhennett, Dann, and Harpül. 2,698,478.  
 Huber, Richard de V., and Bruce. 2,721,201.  
 Maiese, Michael R. 2,721,161.  
 Szabo, Joseph L., and Bruce. 2,709,700.  
 Szabo, Joseph L., and Bruce. 2,715,624.  
 American Hospital Supply Corp.: *See*—  
 Berner, Harry M. 2,716,045.  
 Blashfield, Floyd A. 2,709,634.  
 Kirkwood, James, Jr. 2,717,819.



- American Institute of Baking : *See—*  
Castellani, Anthony G. 2,711,976.
- American Institute of Radiation : *See—*  
Barth, Hans. 2,720,153.  
Marks, Malcolm C. 2,709,984.  
Washington Times Co., The.
- American Instrument Co., Inc. : *See—*  
Ellison, Clarence H., and Moe. 2,699,318.  
Healey, Sidney. 2,699,119.  
Ohlheiser, Carlton E. 2,717,957.  
Ohlheiser, Carlton E. 2,723,557.  
Wham-O Powermaster Corp.
- American Junior Aircraft Co. : *See—*  
Walker, Neville E. 2,708,431.  
Walker, Neville E. 2,714,783.
- American-La France-Foamite Corp. : *See—*  
Buckholtz, Charles A. 2,713,391.
- American Laundry Machine Co., The : *See—*  
Spreckelmeier, Edwin H. Re. 24,101.
- American Laundry Machinery Co., The : *See—*  
Hanney, Angus F. 2,703,097.  
Neckel, Edmund N. 2,727,660.  
Spreckelmeier, Edwin H. 2,727,380.
- American Logging Tool Corp. (organized Nov. 4, 1954) : *See—*  
Purdy, Oren G. 2,718,375.
- American Linen Supply Co. : *See—*  
Birr, Rudolph G. 2,726,824.  
Jespersen, Paul W. 2,726,465.  
Jespersen, Paul W. 2,726,823.
- American Locomotive Co. : *See—*  
Kopp, Sigmund. 2,711,266.  
Weber, Theodore R. 2,708,574.
- American Machine Development Corp. : *See—*  
Eissmann, Oswald E. 2,701,570.
- American Machine & Foundry Co. : *See—*  
Bell, Leo R., Panuline, and Strauss. 2,724,426.  
Carder, Frank B. 2,727,518.  
Fluke, John M., and Brown. 2,705,145.  
Frye, Sanders A. 2,699,945.  
Frye, Sanders A. 2,702,707.  
Jordan, Edgar J. 2,711,813.  
Jurgensen, Delbert F., Jr., Gurley, and Mangion. 2,707,472.  
McCabe, Albert. 2,722,305.  
Moore, Thomas W. 2,710,927.  
Moore, Thomas W. 2,710,939.  
Patterson, Morehead, Wall, and Thiem. 2,726,086.  
Schmidt, Gottfried J. 2,711,318.  
Slysh, Paul. 2,711,764.  
Waddington, William H. 2,717,085.  
Waite, Fred L. 2,707,142.  
Wells, Willis L. 2,707,636.
- American Machine and Metals, Inc. : *See—*  
Dinlocker, Robert I. 2,706,812.  
Glichrist, John E. 2,709,080.  
Harland, Philip W. 2,698,633.  
Harland, Philip W. 2,699,542.  
Harland, Philip W. 2,706,396.  
Le Van, Ambrose E. 2,705,457.  
Premier Produce Co.  
Waite, Ralph D. 2,707,398.
- American Machinery Corp. : *See—*  
Howe, Kenneth W., and McLearn. 2,700,953.
- American-Marietta Co. : *See—*  
Palma, Joseph, Jr., and Knapp. 2,712,143.
- American Mat Corp. : *See—*  
Moor, Dudley W., Jr. 2,701,890.
- American Metal Co., Ltd., The : *See—*  
Smith, William A., Mattson, and Meyer. 2,721,657.  
Smith, William A., Mattson, Meyer, and Baxter. 2,724,499.
- American Metal Products Co. : *See—*  
Flint, Hyland C. 2,698,650.  
Flint, Hyland C. 2,698,651.  
Flint, Hyland C. 2,702,078.  
Flint, Hyland C. 2,705,632.  
Flint, Hyland C. 2,719,578.  
Flint, Hyland C., and Kime. 2,705,527.
- American Metal Specialties Corp. : *See—*  
Kessler, Herman, and Morris. 2,724,531.
- American Meter Co. : *See—*  
Brewer, George S., and Dain. 2,704,550.  
Gray, Robert B. 2,699,795.  
Gray, Robert B. 2,705,018.  
Wiley, Donald C. 2,705,021.
- American Meter Co., Inc. : *See—*  
Benson, Arthur F. 2,713,792.  
Koch, William J. 2,706,124.
- American Motors Corp. : *See—*  
Borisch, Henry C. 2,712,345.  
Doeg, Ralph W. 2,728,060.  
Kishline, Floyd F., and Voigt. 2,718,409.  
Yaeger, Luther L. 2,702,255.
- American Oil Co., The : *See—*  
Brandt, Preston L., and Hopkins. 2,726,999.  
Fragen, Nathan, and Hopkins. 2,727,077.  
Georgian, Carl C. 2,727,848.  
Lutz, Irvin H., Collier, and Bellman. 2,717,231.
- American Operators Inc. : *See—*  
Beamish, Bernard D. 2,722,735.
- American Optical Co. : *See—*  
Baratelli, Charles A. 2,708,025.  
Baratelli, Charles A. 2,709,256.  
Baratelli, Charles A. 2,710,685.  
Barnes, Robert B. 2,706,262.  
Dillon, Oscar W., and Turtle. 2,724,218.  
Ellis, Charles A. 2,711,632.  
Ellis, Charles A. 2,715,852.  
Gilbert, William A., and Critoph. 2,703,045.  
Hazelton, Charles L. 2,701,030.  
Herman, William F., and Chabot. 2,728,106.  
Laliberte, Albert J. 2,701,191.  
Maass, Edward W. 2,701,192.  
Moon, Edward W., 3rd. 2,727,547.  
Osterberg, Harold, and Bennett. 2,700,918.  
Pincus, Alexis G. 2,716,069.  
Prince, Basil W. 2,727,436.  
Revoir, William H., Jr., and Smith. 2,703,153.  
Schauweker, George H. 2,718,007.  
Splaine, Edward M. 2,703,036.  
Thorburn, Milton R. 2,707,901.  
Thorburn, Milton R. 2,726,570.  
Tillyer, Edgar D. 2,727,843.
- American Pad & Textile Co., The : *See—*  
Bracken, Wallace H. 2,717,391.
- American Paulin System : *See—*  
Coppie, David E. 2,712,238.
- American Phenolic Corp. : *See—*  
Adams, Charles J., and Proctor. 2,728,068.  
Klostermann, Curt W. 2,724,096.  
Klostermann, Curt W. 2,728,062.  
Beaver, Erick. 2,711,524.
- American Photofoil Corp. : *See—*  
Townsend, John J. 2,700,629.
- American Pipe and Construction Co. : *See—*  
Brannen, Charles H. 2,724,421.  
Butler, Adolf G. 2,703,916.  
Fisher, Raymond W. 2,727,341.  
Huff, Carlos D. 2,724,582.
- American Pop Corn Co. : *See—*  
Smith, Howard C. 2,705,909.
- American Pulley Co., The : *See—*  
Barron, John T. 2,709,373.  
Williams, William A. 2,709,374.
- American Radiator & Standard Sanitary Corp. : *See—*  
Manning, Harry E., and Layman. 2,703,409.
- American Rock Wool Corp. : *See—*  
Anliker, Carl A. 2,707,847.
- American Rondo Corp., The : *See—*  
Hecker, Hanns E. 2,716,485.
- American Rubber Mfg. Co., The : *See—*  
Dodge, Nathaniel S., Jr., Negley, and Sanford. 2,719,752.
- American Safety Razor Corp. : *See—*  
Butlin, Charles E. 2,701,910.  
Nelson, Edgar A. 2,726,787.  
Peltz, Gordon M., and Ensign. 2,726,444.  
Voigt, Max T. 2,703,369.
- American Safety Table Co., Inc. : *See—*  
Frankel, Samuel R. 2,706,587.
- American Screw Co. : *See—*  
Stellin, Dominic V. 2,699,693.
- American Seal-Kap Corp. of Delaware : *See—*  
Farrington, John H. 2,728,484.  
Rodman, Francis C. 2,728,516.
- American Seating Co. : *See—*  
Davis, Robert L. 2,708,966.  
Dexter, John C., Henrikson, and Humphries. 2,706,517.  
Henrikson, Bror W. 2,711,210.  
Hoven, Alfred C. 2,705,043.  
Hoven, Alfred C., and Nordmark. 2,705,526.  
Hoven, Alfred C., and Nordmark. 2,717,026.  
Hoven, Alfred C., and Nordmark. 2,719,570.  
Hoven, Alfred C., and Nordmark. 2,726,826.  
Hoven, Alfred C., Nordmark, and Lindberg. 2,719,771.  
Kilmer, Simon T. 2,716,774.  
Miller, Joseph A. 2,706,603.  
Morgan, Erving B., Jurewicz, and Plachecki. 2,717,187.  
Nordmark, Walter E. 2,706,516.  
Nordmark, Walter E., and Hoven. 2,701,693.  
Poel, Norman C. 2,726,126.  
Spencer, Gerald V. 2,725,924.
- American Securit Co., The : *See—*  
Gilstrap, Vernon M. 2,724,215.
- American Shower Door Co., Inc. : *See—*  
Carson, Lawrence E. 2,699,827.
- American Sisalkraft Corp. : *See—*  
Newkirk, Francis F. 2,726,183.
- American Smelting and Refining Co. : *See—*  
Beckes, Lloyd M. 2,708,298.  
Colton, Robert A. 2,706,154.  
Kleff, Arnold J., Jr., and Morin. 2,709,529.  
Marriott, Richard A., and Labbe. 2,704,135.  
Westinghouse Electric and Mfg. Co.
- American Specialty Co., The : *See—*  
Nord, Evan W., and Roberts. 2,704,168.
- American Steel Band Co. : *See—*  
Downing, Merritt. 2,704,108.
- American Steel Dredge Co., Inc. : *See—*  
Schmidt, Fred J. 2,711,148.



American Steel Foundries: *See—*

Addison, Tom. 2,699,695.  
 Addison, Tom. 2,725,767.  
 Bachman, Fred E., Seelig, and Coskun. 2,726,096.  
 Barrett, Charles D., and Whitehead. 2,719,490.  
 Baselt, Walter H. 2,720,172.  
 Bocek, Leonard. 2,728,464.  
 Buvelot, John A. 2,719,741.  
 Coskun, Mehmet K. 2,713,400.  
 Cottrell, Robert B. 2,706,953.  
 Cottrell, Robert B. 2,723,008.  
 Cottrell, Robert B. 2,726,740.  
 Hack, Carl E. 2,704,534.  
 Heater, Charles L. 2,702,608.  
 Heater, John N. 2,703,054.  
 Helsten, Wesley A. 2,708,492.  
 Herbst, Irvin. 2,713,493.  
 Kayler, Frank H. 2,709,528.  
 Kinne, Edmund P. 2,720,321.  
 Maatman, Egbert J. 2,702,512.  
 Misic, Donald M. 2,724,589.  
 Opsahl, Eugene G. 2,722,292.  
 Schlegel, Walter L., Jr. 2,724,345.  
 Schlegel, Walter L., Jr. 2,728,569.  
 Sedgwick, Robert K. 2,705,888.  
 Sedgwick, Robert K. 2,718,048.  
 Simanek, Edward J. 2,716,468.  
 Sedgwick, Robert K. 2,720,785.  
 Tack, Carl E. 2,702,102.  
 Tack, Carl E. 2,706,021.  
 Tack, Carl E., and Casey. 2,708,491.  
 Tack, Carl E., and Cummings. 2,702,097.  
 American Sterilizer Co.: *See—*  
 Jewell, Raymond L. 2,713,702.  
 Jewell, Raymond L. 2,713,953.  
 American Syntex Inc.: *See—*  
 Rosenkranz, George, and Djerassi. 2,712,028.  
 Sondheimer, Franz, Djerassi, and Rosenkranz. 2,702,290.  
 American Telephone and Telegraph Co.: *See—*  
 Allewelt, Arthur L. 2,728,630.  
 Ehrlich, Robert W. 2,719,232.  
 Fitch, Karl E., Neiswinter, Purvis, and Vanderlippe. 2,710,891.  
 Hanley, Frank H. 2,721,894.  
 Hanley, Frank H. 2,726,281.  
 Henley, Edward J. 2,713,122.  
 Henley, Edward J. 2,714,701.  
 Meachen, Oren R. 2,719,878.  
 Neiswinter, James T. 2,707,778.  
 Neiswinter, James T. 2,713,087.  
 Neiswinter, James T. 2,722,682.  
 Shepherd, Judson O'D. 2,698,879.  
 Shepherd, Judson O'D. 2,698,880.  
 Warner-Hudnut, Inc.  
 American Television Mfg. Corp.: *See—*  
 Kuzniar, Alfred P., and Saltzberg. 2,717,947.  
 American Time Products, Inc.: *See—*  
 Dostal, Frank. 2,707,234.  
 American Tool Works: *See—*  
 Hoelscher, William G. 2,716,675.  
 American Trust Co.: *See—*  
 Perriguet, Forrest B. 2,703,952.  
 American Type Founders, Inc.: *See—*  
 Chankalian, Robert H., and Pollock. 2,722,131.  
 Keeshan, Alvin W., Marder, and Vogel. 2,717,756.  
 Pollock, Willard M. 2,711,937.  
 American Viscose Corp.: *See—*  
 Allen, George M., and McDermott. 2,718,136.  
 Allewelt, Arthur L. 2,705,231.  
 Bauer, Ernest K. 2,710,440.  
 Bauer, Ernest K. 2,725,613.  
 Bauer, Ernest K., and Sprute. 2,705,598.  
 Bauling, Adrianus L. 2,711,156.  
 Bauling, Adrianus L., and Milne. 2,711,407.  
 Borges, Frank R., Jr. 2,710,155.  
 Brillhart, William O. 2,727,836.  
 Chaya, John S. 2,712,328.  
 Chaya, John S., and Eaton. 2,723,561.  
 Clark, Edward C., Jr., and Hull. 2,711,782.  
 Conti, John D. 2,709,915.  
 Conti, John D. 2,718,065.  
 Conti, John D. 2,723,085.  
 Dart, Sidney L., Peterson, and Ricards. 2,724,264.  
 Downing, George. 2,726,615.  
 Downing, George. 2,726,616.  
 Grantham, William G. 2,721,150.  
 Grantham, William G. 2,721,151.  
 Greenwalt, Jess F., McGraw, and Richardson. 2,705,881.  
 Haley, Harold A., and McIntire. 2,705,426.  
 Heffelfinger, Robert D. 2,725,710.  
 Hunter, Alfred W., and Phillips. 2,709,856.  
 James, Robert R. 2,705,183.  
 Kellogg, William D. 2,715,811.  
 Knapp, Alfred P. 2,726,617.  
 Kreamer, William H. 2,715,382.  
 Lytton, Marion R. 2,721,849.  
 Marley, Robert G. 2,715,763.  
 McDermott, Henry J. 2,698,963.  
 McDermott, Henry J. 2,728,186.  
 Meissner, William E. 2,726,035.  
 Meissner, William E. 2,726,620.  
 Messmer, Robert C. 2,710,563.  
 Morgan, James P. 2,721,359.  
 Nash, Thomas L. 2,703,172.

American Viscose Corp.: *See—Continued.*

Nash, Thomas L. 2,721,466.  
 Nelson, Seddon C. 2,712,155.  
 Nelson, Seddon C. 2,727,275.  
 Nelson, Seddon C. 2,727,276.  
 New, Harry E. 2,721,440.  
 Pedlow, John W., and Vandenburgh. 2,698,459.  
 Peterson, Leroy E., Dart, and Richards. 2,712,214.  
 Pfalzgraff, Ross M., and Holman. 2,699,230.  
 Price, James E., and Groves. 2,711,365.  
 Reichel, Frank H., and Russell. 2,698,967.  
 Roberts, Ingham S. 2,698,772.  
 Roberts, Ingham S. 2,718,363.  
 Rosser, Charles M. 2,699,405.  
 Rosser, Charles M. 2,699,406.  
 Russell, Arthur O. 2,704,860.  
 Russell, Arthur O. 2,718,661.  
 Smith, William L. 2,727,459.  
 Stanley, Richard W., and Lowe. 2,707,668.  
 Tasker, Clinton W. 2,715,244.  
 Truitt, Joseph A. 2,707,384.  
 Truitt, Joseph A. 2,722,817.  
 Tschudi, Traugott. 2,726,618.  
 Tschudi, Traugott. 2,726,619.  
 Walmsley, Leslie L. 2,721,465.  
 Warner, Sterling W. 2,712,681.  
 Warner, Sterling W. 2,712,682.  
 Wielicki, Edward A., and Lewis. 2,701,263.  
 American Welding & Mfg. Co., The: *See—*  
 Gaver, Raymond H. 2,712,861.  
 American Wheelabrator & Equipment Corp.: *See—*  
 Smith, Zachary H. 2,698,977.  
 Straub, John C. 2,708,814.  
 Amerman, Jack A., to Emsco Mfg. Co. 2,717,184, Cl. 308—187.  
 Ames, George W., and H. W. Herrington, to Bell Telephone Laboratories, Inc. 2,699,133, Cl. 113—99.  
 Ames, Horace L.: *See—*  
 McLachlan, Charles G., Ames, and Gribbin. 2,708,126.  
 Ames, James G. 2,717,050, Cl. 183—4.1.  
 Ames, James G. 2,721,385, Cl. 30—233.5.  
 Ames, Robert G. 2,711,059, Cl. 51—187.  
 Ames, Robert G.,  $\frac{1}{2}$  to G. W. Williams and  $\frac{1}{4}$  to S. Ames. 2,711,098, Cl. 72—130.  
 Ames, Stanley: *See—*  
 Ames, Robert G. 2,711,098.  
 Ames, Victor H.: *See—*  
 Bock, George E., and Ames. 2,718,195.  
 Bock, George E., and Ames. 2,718,197.  
 Ames, Victor H., to Whiting Corp. 2,721,522, Cl. 105—73.  
 Ames, William L., to Western Electric Co., Inc. 2,700,448, Cl. 198—21.  
 Ames, William L., to Western Electric Co., Inc. 2,701,470, Cl. 73—160.  
 Ames, William L., to Western Electric Co., Inc. 2,704,782, Cl. 174—69.  
 Amiard, Gaston: *See—*  
 Velluz, Léon, and Amiard. 2,707,710.  
 Amick, Chester A.: *See—*  
 Kientle, Roy H., and Amick. 2,708,150.  
 Amick, Chester A., to American Cyanamid Co. 2,702,258, Cl. 117—141.  
 Amidon, Roger W.: *See—*  
 Tawney, Pliny O., Snyder, and Amidon. 2,719,137.  
 Amidon, Roger W., to United States Rubber Co. 2,722,555, Cl. 260—611.  
 Amidon, Roy C., to Vanity Fair Mills, Inc. 2,714,811, Cl. 66—86.  
 Amiot, Félix. 2,711,796, Cl. 170—160.29.  
 Amity Leather Products Co.: *See—*  
 Bottomley, Richard E. 2,698,639.  
 Jeffery, David B. 2,720,904.  
 Amley, Oliver B.: *See—*  
 Mick, William F., and Amley. 2,716,074.  
 Ammann, Charles F., to The Dow Chemical Co. 2,722,583, Cl. 200—163.  
 Ammco Tools, Inc.: *See—*  
 Billeter, Henry R. Re. 24,039.  
 Billeter, Henry R. 2,715,799.  
 Billeter, Henry R. 2,726,494.  
 Billeter, Henry R., and Kushmuk. 2,710,497.  
 Ammerall, Albert J., to Mohawk Carpet Mills, Inc. 2,726,827, Cl. 242—157.  
 Ammerman, George E., to The Murray Corp. of America. 2,725,029, Cl. 116—133.  
 Ammon, Edward R., to Southern Textile Machinery Co., Inc. 2,722,348, Cl. 223—43.  
 Amo, Ivan J., to M and W Co., Inc. 2,698,460, Cl. 18—30.  
 Amon, Frederick E., Jr., to The Parker Appliance Co. 2,703,138, Cl. 158—36.5.  
 Amori, Joseph A. 2,703,126, Cl. 146—73.  
 Amori, Joseph A. 2,713,934, Cl. 198—33.  
 Amos, Bernard, and N. De Falco, to Allen B. Du Mont Laboratories, Inc. 2,699,497, Cl. 250—20.  
 Amos, James L., J. C. Frank, and K. E. Stober, to The Dow Chemical Co. 2,714,101, Cl. 260—93.5.  
 Amour, David S., to Analite Corp. 2,725,461, Cl. 240—1.1.  
 Ampe, Henry J. 2,707,909, Cl. 97—199.



- Ampro Corp.: *See*—  
 Barany, Edmund, Bauman, and Sackter. 2,728,577.  
 Bauman, Harold W. 2,717,281.  
 Claski, Irving. 2,716,351.  
 Cisski, Irving. 2,718,152.  
 Eddy, Wesley L. 2,713,619.  
 Plata, Manuel L., and Bauman. 2,718,561.  
 Howell, Hugh A., and Bauman. 2,718,562.  
 Amspacker, Lloyd E. 2,704,061, Cl. 128—303.  
 Amster, Warren H., C. H. Holleman, and E. V. Browne, to Northrop Aircraft, Inc. 2,712,420, Cl. 244—7.  
 Amtsberg, Lester A., to Chicago Pneumatic Tool Co. 2,723,777, Cl. 218—45.  
 Amtsberg, Lester A., to Chicago Pneumatic Tool Co. 2,724,299, Cl. 81—52.4.  
 Amundson, Roald H., to McGraw Electric Co. 2,714,144, Cl. 200—146.  
 Anacker, Kenneth L., to Boeing Airplane Co. 2,717,440, Cl. 30—95.  
 Anacker, Kenneth L., to Boeing Airplane Co. 2,725,773, Cl. 81—177.  
 Anaconda Co., The: *See*—  
 Tretheway, William J., Kennard, and Buker. 2,721,364.  
 Anaconda Copper Mining Co.: *See*—  
 Frick, Frederick F., and Holderreed. 2,699,388.  
 Frick, Frederick F., Donohoe, and Ruckwardt. 2,716,600.  
 McAllister, Donald C. 2,708,104.  
 Anaconda Wire and Cable Co.: *See*—  
 Polglase, Thomas R. 2,715,458.  
 Polglase, Thomas R. 2,718,303.  
 Anagnostopoulos, Constantine E., to Monsanto Chemical Co. 2,727,065, Cl. 260—535.  
 Analite Corp.: *See*—  
 Amour, David S. 2,725,461.  
 Anast, James L., and G. T. Minshall. 2,727,229, Cl. 343—11.  
 Anastasia, Angelo. 2,698,995, Cl. 30—60.5.  
 Anastasia, Harry G., to Bendix Aviation Corp. 2,718,783, Cl. 73—179.  
 Anastasia, Harry G., and H. G. Elwell, Jr., to Bendix Aviation Corp. 2,726,544, Cl. 73—179.  
 Anchor Hocking Glass Corp.: *See*—  
 Stover, Harry E. 2,700,186.  
 Anchor Mfg. Co.: *See*—  
 Johansson, Ernest G. 2,709,793.  
 Johansson, Ernest G. 2,709,794.  
 Anttil, Joseph N. 2,707,502, Cl. 145—4.  
 Ander, Eric B., to Minneapolis-Honeywell Regulator Co. 2,699,317, Cl. 251—68.  
 Anderberg, Axel W. 2,721,354, Cl. 16—202.  
 Anderegg, Arnold H., and D. S. Melstrom, to Shell Development Co. 2,714,619, Cl. 260—654.  
 Anderegg, Edward W. 2,704,567, Cl. 155—10.  
 Anderle, Joseph A., to Lorentzen Hardware Mfg. Corp. 2,711,029, Cl. 33—174.  
 Andersag, Hans: *See*—  
 Hörlein, Hans U., Andersag, and Timmler. 2,714,593.  
 Andersen, Anders L. 2,710,456, Cl. 34—92.  
 Andersen, Charles. 2,709,063, Cl. 251—44.  
 Andersen, George R., to T-Z Railway Equipment Co. 2,703,262, Cl. 308—47.  
 Andersen, John W., to The Chemstrand Corp. 2,713,793, Cl. 73—301.  
 Andersen, Laurits, to H. E. Edwards. 2,728,133, Cl. 29—34.  
 Andersen, Leonard C. 2,717,654, Cl. 180—22.  
 Andersen, Ralph. 2,715,478, Cl. 220—90.  
 Andershock, Chester E.: *See*—  
 Lundquist, Richard C., and Andershock. 2,711,907.  
 Andershock, Chester E., to Goodman Mfg. Co. 2,702,619, Cl. 192—85.  
 Andershock, Chester E., to Goodman Mfg. Co. 2,717,521, Cl. 74—377.  
 Anderson, Alfred J., S. Berlant, and W. W. Sims. 2,718,017, Cl. 10—136.  
 Anderson, Alva E., to Bell Telephone Laboratories, Inc. 2,706,263, Cl. 313—148.  
 Anderson, Alva E., to Bell Telephone Laboratories, Inc. 2,706,264, Cl. 315—12.  
 Anderson, Alva E., to Bell Telephone Laboratories, Inc. 2,708,720, Cl. 250—36.  
 Anderson, Alvin P., to Shell Development Co. 2,728,735, Cl. 260—28.5.  
 Anderson, Arnold P. 2,709,393, Cl. 88—80.  
 Anderson, Arthur G., and E. L. Hahn, to International Business Machines Corp. 2,714,714, Cl. 340—173.  
 Anderson, Arthur G., J. W. Horton, and R. M. Walker, to International Business Machines Corp. 2,718,629, Cl. 340—173.  
 Anderson, Arthur W., to E. I. du Pont de Nemours & Co. 2,711,405, Cl. 260—192.  
 Anderson, Arthur W., and B. V. Moeller, to The Dow Chemical Co. 2,720,464, Cl. 106—197.  
 Anderson, Arthur W., and N. G. Merckling, to E. I. du Pont de Nemours & Co. 2,721,189, Cl. 260—93.1.  
 Anderson, Arvid J.: *See*—  
 Anderson, Enfred W. and A. J. 2,708,145.  
 Anderson, Attell B., to Bell Telephone Laboratories, Inc. 2,703,344, Cl. 179—107.  
 Anderson, Attell B., to Bell Telephone Laboratories, Inc. 2,716,164, Cl. 200—27.  
 Anderson, August E. 2,718,719, Cl. 37—143.  
 Anderson, Austin E. 2,723,829, Cl. 251—100.  
 Anderson, Axel, to Sundstrand Magnetic Products Co. 2,717,080, Cl. 210—1.5.  
 Anderson, Axel F. L., to American Blower Corp. 2,707,376, Cl. 60—54.  
 Anderson, Bror E.: *See*—  
 Clark, James D'A., and Anderson. 2,714,749.  
 Clark, James D., and Anderson. 2,720,005.  
 Anderson, Bror E., A. H. Callendo, and H. E. Renwick, to A. B. Dick Co. 2,704,025, Cl. 101—128.1.  
 Anderson, Carl E., to Eastern Tool & Mfg. Co. 2,713,708, Cl. 24—198.  
 Anderson, Carl R.: *See*—  
 Guiney, Karl B., and Anderson. 2,698,684.  
 Anderson, Carl R., to Air Products Inc. 2,711,085, Cl. 62—123.  
 Anderson, Carter, to Boeing Airplane Co. 2,721,757, Cl. 294—81.  
 Anderson, Chester: *See*—  
 Till, Robert A., Anderson, and Acosta. 2,722,401.  
 Anderson, Chester R. 2,701,394, Cl. 20—23.  
 Anderson, Chester R. 2,722,112, Cl. 62—169.  
 Anderson, Dale L., P. F. Shaffer, R. H. Knowles, E. M. Harwell, E. F. Nash, and J. L. Lewis, dedicated to the free use of the people in the territory of the United States. 2,724,342, Cl. 104—89.  
 Anderson, Dave, to International Minerals & Chemical Corp. 2,724,497, Cl. 209—18.  
 Anderson, David E., to Thompson Products, Inc. 2,717,149, Cl. 261—18.  
 Anderson, David E., and C. H. Van Hartesveldt, to Thompson Products, Inc. 2,699,326, Cl. 261—18.  
 Anderson, David K. C., to Imperial Chemical Industries Ltd. 2,718,342, Cl. 226—14.  
 Anderson, Donald E., and R. W. Wilson, to Patent and Development, Inc. 2,720,451, Cl. 71—2.1.  
 Anderson, Earl I., to Radio Corp. of America. 2,718,552, Cl. 178—7.5.  
 Anderson, Edmund B., to Borg-Warner Corp. 2,698,527, Cl. 64—17.  
 Anderson, Edward B. 2,723,035, Cl. 210—131.  
 Anderson, Edward P., to Bendix Aviation Corp. 2,711,652, Cl. 74—5.44.  
 Anderson, Einar H. 2,725,705, Cl. 56—26.  
 Anderson, Enfred W. and A. J. 2,708,145, Cl. 311—77.  
 Anderson, Eugene L., to Rockwell Spring and Axle Co. 2,720,061, Cl. 51—141.  
 Anderson, Florence B., to Motor Products Corp. 2,720,758, Cl. 62—89.  
 Anderson, Florence B., and J. H. Konefes, to Motor Products Corp. 2,707,808, Cl. 20—35.  
 Anderson, Frank E., to Sun Oil Co. 2,722,543, Cl. 260—504.  
 Anderson, Frank W., to Murphy Automatic Pinsetter Co., Inc. 2,714,508, Cl. 273—43.  
 Anderson, Frank W., to Murphy Automatic Pinsetter Co., Inc. 2,716,549, Cl. 273—43.  
 Anderson, Frederic W., to Bell Telephone Laboratories, Inc. 2,722,655, Cl. 323—60.  
 Anderson, Frederick T., to Modern Materials Co. 2,728,384, Cl. 158—115.  
 Anderson, George R., to Hagan Corp. 2,719,535, Cl. 137—85.  
 Anderson, George W., to American Cyanamid Co. 2,722,539, Cl. 260—461.  
 Anderson, George W., and R. W. Young, to American Cyanamid Co. 2,722,526, Cl. 260—112.  
 Anderson, Gerald K.: *See*—  
 Tessen, Carl A. 2,713,952.  
 Anderson, Gordon R., to Fairbanks, Morse & Co. 2,716,195, Cl. 310—59.  
 Anderson, Gordon R., and J. W. Hicks, to Fairbanks, Morse & Co. 2,716,196, Cl. 310—68.  
 Anderson, Harry J., to Hills-Meccanna Co. 2,698,578, Cl. 103—38.  
 Anderson, Harry M., to Beatty Bros. Ltd. 2,705,363, Cl. 29—467.  
 Anderson, Henry A., R. Eadie, and H. L. Morley, to John Waldron Corp. 2,699,656, Cl. 64—9.  
 Anderson, Herman F.: *See*—  
 Marsh, Claude E. 2,698,505.  
 Anderson, Hilding. 2,724,984, Cl. 76—86.  
 Anderson, Howard F.: *See*—  
 Coolidge, John E., and Anderson. 2,714,698.  
 Macaulay, William R., and Anderson. 2,708,254.  
 Anderson, J. R., & Co. Aktiebolag: *See*—  
 Thorstensson-Rydberg, Carl A. S. 2,726,069.  
 Anderson, Jack: *See*—  
 Wirth, Dick, Anderson, and Crooks. 2,724,838.  
 Anderson, James B.: *See*—  
 Stimpson, Robert H., and Anderson. 2,716,609.  
 Andrew, James D. Jr., to The Babcock & Wilcox Co. 2,714,877, Cl. 122—1.  
 Anderson, James K.: *See*—  
 Bock, Louis H., and Anderson. 2,699,438.  
 Anderson, James T., and H. F. Ward, to General Electric Co. 2,726,966, Cl. 117—33.5.  
 Anderson, John: *See*—  
 Smith, William C., Anderson, and Bloom. 2,714,122.  
 Anderson, John, to Dunlop Tire & Rubber Corp. 2,706,514, Cl. 154—16.  
 Anderson, John A., Jr. 2,726,016, Cl. 222—127.  
 Anderson, John, G. F. Johnson, and W. C. Smith, to Shell Development Co. 2,714,121, Cl. 260—633.  
 Anderson, John M., J. E. Croker, and W. U. Glishke, to Allis-Chalmers Mfg. Co. 2,705,781, Cl. 336—208.  
 Anderson, John R., to Bell Telephone Laboratories, Inc. 2,717,372, Cl. 340—173.



- Anderson, John R., to Bell Telephone Laboratories, Inc. 2,717,373, Cl. 340—173.
- Anderson, John W., to Productive Inventions, Inc. 2,715,729, Cl. 15—255.
- Anderson, John W., and O. Kress, to Airtron, Inc. 2,705,786, Cl. 339—213.
- Anderson, Karl V., to Cleaver-Brooks Co. 2,705,591, Cl. 230—140.
- Anderson, Katherine B. 2,717,175, Cl. 299—83.
- Anderson, Leonard J., to Union Oil Co. of California. 2,701,919, Cl. 33—126.4.
- Anderson, Leslie B. 2,724,594, Cl. 273—95.
- Anderson, Leslie V.: *See—*  
Targosh, Ted, and Anderson. 2,724,583.
- Anderson, Leslie V., T. Targosh, and E. Koledziej. 2,719,704, Cl. 261—18.
- Anderson, Lester T.: *See—*  
Johnson, Samuel W., and Anderson. 2,700,841.
- Anderson, Lincoln D. 2,712,261, Cl. 85—16.
- Anderson, Lloyd J. 2,719,015, Cl. 244—99.
- Anderson, Lloyd L.: *See—*  
Mark, Vennice E., and Anderson. Re. 23,920.
- Anderson, Lucian N. 2,720,996, Cl. 220—1.5.
- Anderson, Mack. 2,722,852, Cl. 76—41.
- Anderson, Marshall N., to Sellstrom Mfg. Co. 2,706,307, Cl. 16—145.
- Anderson, Marshall N., to Sellstrom Mfg. Co. 2,726,395, Cl. 2—8.
- Anderson, Mauritz L., to Raytheon Mfg. Co. 2,703,790, Cl. 252—521.
- Anderson, Mauritz L., to Raytheon Mfg. Co. 2,722,491, Cl. 117—231.
- Anderson, Nelson E., to Air Reduction Co., Inc. 2,702,333, Cl. 219—15.
- Anderson, Nelson E., to Air Reduction Co., Inc. 2,719,245, Cl. 314—69.
- Anderson, Nelson E., to Air Reduction Co., Inc. 2,721,923, Cl. 219—8.
- Anderson, Norman C., and B. E. Shaw, to Electronics Corp. of America. 2,711,464, Cl. 201—63.
- Anderson, Olaf B., to E. J. Longyear Co. 2,710,700, Cl. 214—656.
- Anderson, Oscar B., and B. I. Jacobs. 2,722,412, Cl. 266—32.
- Anderson, Paul V., to Gardner Tool & Stamping Co., Inc. 2,702,866, Cl. 256—25.
- Anderson, Paul Z., to Preco Inc. 2,715,822, Cl. 64—11.
- Anderson, Ralph A., to Panellit, Inc. 2,701,748, Cl. 346—34.
- Anderson, Ralph A. 2,702,915, Cl. 15—136.
- Anderson, Ralph A. 2,713,723, Cl. 33—78.
- Anderson, Ralph F. 2,710,128, Cl. 226—106.
- Anderson, Richard E., to General Electric Co. 2,725,494, Cl. 310—126.
- Anderson, Richard M.: *See—*  
Pyne, Roger S., and Anderson. 2,727,339.
- Anderson, Robert: *See—*  
Seeloff, Melvin M., and Anderson. 2,710,903.
- Anderson, Robert L., W. G. Winkler, and I. T. Wurn, to The Brunswick-Balke-Collender Co. 2,707,105, Cl. 273—49.
- Anderson, Robert L., Jr., to the United States of America as represented by the United States Atomic Energy Commission. 2,709,791, Cl. 336—155.
- Anderson, Robert M., to General Electric Co. 2,722,355, Cl. 226—19.
- Anderson, Robert R., Co.: *See—*  
Hummel, John C. 2,704,390.
- Anderson, Robert V. 2,700,538, Cl. 264—15.
- Anderson, Robert V., to General Precision Laboratory Inc. 2,717,918, Cl. 178—5.4.
- Anderson, Robert W., to Keuffel & Esser Co. 2,720,030, Cl. 33—23.
- Anderson, Roy E., to General Electric Co. 2,701,336, Cl. 324—54.
- Anderson, Roy F.: *See—*  
Vigmostad, Trygve, and Anderson. 2,702,401.
- Anderson, Roy H., and A. B. Youngs, to Boeing Airplane Co. 2,724,284, Cl. 74—459.
- Anderson, Russell J., to Belle City Malleable Iron Co. 2,723,768, Cl. 214—46.22.
- Anderson, Thure B., to The Crescent Co. Inc. 2,713,155, Cl. 339—227.
- Anderson, Tore N.: *See—*  
Ingalls, David, and Anderson. 2,724,660.
- Anderson, V. D., Co., The: *See—*  
Toth, Michael J., and Odber. 2,709,501.
- Toth, Michael J., and Snoko. 2,709,502.
- Anderson, Vernal A., to Bendix Aviation Corp. 2,718,284, Cl. 188—78.
- Anderson, W. E., Inc.: *See—*  
Webster, Raymond C. 2,715,723.
- Anderson, Walter A., to Underwood Corp. 2,703,642, Cl. 197—129.
- Anderson, Walter A., to Underwood Corp. 2,710,140, Cl. 235—60.49.
- Anderson, Walter A., to Underwood Corp. 2,711,855, Cl. 235—60.42.
- Anderson, Walter A., to Underwood Corp. 2,720,960, Cl. 197—66.
- Anderson, Walter A., to Underwood Corp. 2,724,551, Cl. 235—60.
- Anderson, Walter E., to Globe-Union Inc. 2,717,273, Cl. 136—168.
- Anderson, Walter T.: *See—*  
Gazelle, Rolland J. 2,722,020.
- Gazelle, Rolland J. 2,722,425.
- Anderson, Warren D., to Norma-Hoffmann Bearings Corp. 2,700,298, Cl. 73—9.
- Anderson, Wilbur M., to The Elliott Addressing Machine Co. 2,726,862, Cl. 271—41.
- Anderson, William. 2,703,555, Cl. 119—132.
- Anderson, William J.: *See—*  
Norman, John H., and Anderson. 2,714,318.
- Anderson, William T., Jr., to Hanovia Chemical and Mfg. Co. 2,707,247, Cl. 313—184.
- Anderson, William T., Jr., to Hanovia Chemical and Mfg. Co. 2,727,175, Cl. 313—225.
- Anderson, Wilmer C., to the United States of America as represented by the Secretary of the Navy. 2,725,551, Cl. 340—197.
- Anderson, Wyman M., and R. H. Ostlie. 2,707,721, Cl. 136—166.
- Andersson, Anders V., to Sandvikens Jernverks Aktiebolag. 2,707,619, Cl. 255—63.
- Andersson, Sven W. E., to Servel, Inc. 2,717,495, Cl. 62—4.
- Andersson, Sven W. E., to Servel, Inc. 2,717,496, Cl. 62—4.
- Andersson, Sven W. E., to Servel, Inc. 2,717,501, Cl. 62—7.
- Andersson, Sven W. E., to Servel, Inc. 2,717,505, Cl. 62—105.
- Andersson, Sven W. E., to Servel, Inc. 2,717,506, Cl. 62—106.
- Andert, Frank S.,  $\frac{1}{2}$  to C. H. Nyssen. 2,709,969, Cl. 105—159.
- Andina, Boris. 2,723,656, Cl. 124—11.
- Andis Clipper Co.: *See—*  
Andis, Matthew G. 2,704,887.
- Andis, Matthew G., to Andis Clipper Co. 2,704,887, Cl. 30—210.
- Andre, Eugene F., and C. L. Metzler, to Dixie Cup Co. 2,704,629, Cl. 226—92.
- André, Henri G., to Yardney International Corp. 2,701,332, Cl. 320—46.
- André, Robert K., to Dur-Al Co., Inc. 2,708,015, Cl. 189—69.
- André, Robert K. 2,717,466, Cl. 43—6.
- Andreadis, John T. 2,722,774, Cl. 46—88.
- Andraea, Maynard R., to Syncro Corp. 2,725,692, Cl. 51—170.
- Andreasson, Rudolf W. 2,711,324, Cl. 279—5.
- Andreef, Alexis D. 2,701,607, Cl. 155—191.
- Andrén, Anders V., to R. Antraigue. 2,699,081, Cl. 81—52.4.
- Andren, Frank. 2,722,765, Cl. 43—37.
- Andren, Karl H., to Western Electric Co., Inc. 2,724,561, Cl. 242—37.
- Andren, Karl H., and C. J. Roach, to Western Electric Co., Inc. 2,708,459, Cl. 140—1.
- Andres, James R.: *See—*  
Schoeppel, John F., Varner, and Andres. 2,720,569.
- Andres, Louis E., and B. J. Quanquin, to Potasse & Engrais Chimiques. 2,726,949, Cl. 71—39.
- Andres, Stanley G., to Research Corp. 2,717,051, Cl. 183—7.
- Andreski, Anthony T. 2,725,990, Cl. 212—53.
- Andress, Harry J., Jr., to Socony-Vacuum Oil Co., Inc. 2,701,187, Cl. 44—63.
- Andrew, Matthew G. 2,728,326, Cl. 119—129.
- Andrews, Boley A., to The Vendo Co. 2,715,662, Cl. 200—47.
- Andrews, Charles C. 2,706,046, Cl. 209—283.
- Andrews, Clarence E. 2,710,448, Cl. 30—162.
- Andrews, David B., and H. F. Riege, to Marathon Corp. 2,713,963, Cl. 229—33.
- Andrews, Earl T., to Bendix-Westinghouse Automotive Air Brake Co. 2,718,897, Cl. 137—102.
- Andrews, Edward D.: *See—*  
Alderfer, Sterling W. 2,702,769.
- Alderfer, Sterling W. 2,726,186.
- Andrews, Edward G. D., and A. W. T. Mottram, to Armstrong Siddeley Motors Ltd. 2,701,445, Cl. 60—39.82.
- Andrews, Edward W. 2,702,313, Cl. 178—115.
- Andrews, Elmer F. 2,721,676, Cl. 222—104.
- Andrews, Forrest. 2,702,715, Cl. 285—13.
- Andrews, Francis J., and G. F. Davis. 2,720,398, Cl. 273—126.
- Andrews, Frederick T., Jr., to Bell Telephone Laboratories, Inc. 2,715,656, Cl. 179—18.
- Andrews, Frederick T., Jr., to Bell Telephone Laboratories, Inc. 2,715,657, Cl. 179—26.
- Andrews, Glenn E.: *See—*  
Klemperer, Hans, and Andrews. 2,722,283.
- Andrews, H. P., Paper Co.: *See—*  
Jahoda, Edward. 2,726,956.
- Andrews, Harold K.: *See—*  
Auth, Maximilian A. 2,728,823.
- Andrews, Harry C.: *See—*  
Hagemann, French T., and Andrews. 2,723,901.
- Andrews, Harry M.: *See—*  
Bedford, Beryl A., and Andrews. 2,725,017.
- Andrews, Henry, to Piatt Products Corp. 2,701,295, Cl. 219—38.
- Andrews, Herbert W., and J. A. Monick, to Colgate-Palmolive Co. 2,710,250, Cl. 23—267.
- Andrews, Irving J. 2,723,130, Cl. 280—47.19.
- Andrew, James M. 2,717,145, Cl. 254—98.
- Andrews, John L. 2,710,323, Cl. 200—153.
- Andrews, John L., to General Electric Co. 2,711,179, Cl. 134—186.
- Andrews, John S., and T. R. Freer, to General Mills, Inc. 2,710,809, Cl. 99—92.
- Andrews, Joseph W., and O. R. Schuler, to Calumet & Hecla, Inc. 2,717,072, Cl. 205—3.
- Andrews, Lewis M. 2,713,888, Cl. 155—43.
- Andrews, Mary M., to The B. F. Goodrich Co. 2,700,980, Cl. 137—223.
- Andrews, Mary M., to The B. F. Goodrich Co. 2,705,954, Cl. 128—202.
- Andrews, Nickolas P., to Sinko Mfg. & Tool Co. 2,706,049, Cl. 211—86.



- Andrews, Norman F., to Deere Mfg. Co. 2,700,262, Cl. 56—15.  
 Andrews, Norman F., to Deere Mfg. Co. 2,721,431, Cl. 56—18.  
 Andrews, Norman F., and R. L. Dort, to Deere Mfg. Co. 2,721,557, Cl. 130—5.  
 Andrews, O. B., Co.: See—  
   Camp, Charles R., and Chamberlin. 2,713,962.  
 Andrews, Ray, and R. S. Murray, to B. F. Drakenfield & Co. 2,724,662, Cl. 117—103.  
 Andrews, Stanley W. C., and J. H. Dwyer, to Precision Grinding Ltd. 2,714,254, Cl. 33—23.  
 Andrews, Steve J.: See—  
   Balint, John, Mehman, and Andrews. 2,710,705.  
 Andrews, Thomas, to Rose, Downs & Thompson Ltd. 2,726,939, Cl. 23—310.  
 Andrews, Weldon R.: See—  
   Hogan, John E., and Andrews. 2,699,962.  
 Andrews, Weldon R., to C. and E. M. Hartwell, copartners d. b. a. Hartwell Aviation Supply Co. 2,712,955, Cl. 292—113.  
 Andrews, William A., to The Sperry Corp. 2,701,861, Cl. 333—22.  
 Andrews, William J., to the United States of America as represented by the Secretary of the Navy. 2,717,942, Cl. 201—55.  
 Andriessen, Jouke: See—  
   Demon, Gerardus A., van der Ven, and Andriessen. 2,709,045.  
 Andrus, Orrin E., to A. O. Smith Corp. 2,703,335, Cl. 136—4.  
 Andrus, Orrin E., to A. O. Smith Corp. 2,709,679, Cl. 204—196.  
 Andrus, Orrin E. 2,712,325, Cl. 138—40.  
 Anemostat Corp. of America: See—  
   Honerkamp, Friedrich. 2,713,300.  
 Aneshansley, Clay H., to The National Cash Register Co. 2,728,491, Cl. 222—158.  
 Angelery, Henry W. 2,713,994, Cl. 257—2.  
 Angeles Metal Trim Co.: See—  
   Mummert, John R. 2,725,607.  
   Parslow, Thomas W. 2,725,608.  
 Angelette, Bena S. 2,714,970, Cl. 217—3.  
 Angelica Uniform Co.: See—  
   Vogler, Selma D., and Norton. 2,725,566.  
 Angelillo, Louis. 2,707,300, Cl. 15—248.  
 Angell, Pierce T., to Thompson Products Inc. 2,701,528, Cl. 103—87.  
 Angenieux, Pierre. 2,701,982, Cl. 88—57.  
 Anger, Ernest G., to Square D Co. 2,703,383, Cl. 323—24.  
 Anger, Hal O., to the United States of America as represented by the Secretary of the Navy. 2,698,900, Cl. 250—27.  
 Anglo-Iranian Oil Co., Ltd.: See—  
   Tomaschek, Rudolf K. A. 2,699,062.  
   Tomaschek, Rudolf K. A. 2,699,067.  
 Angst, Fritz. 2,723,406, Cl. 10—129.  
 Angus, D. Gordon: See—  
   Thompson, Kenneth B. 2,710,560.  
 Anheuser-Busch, Inc.: See—  
   Brasch, Jerome F. 2,703,197.  
 Anhorn, Victor J., and C. W. Montgomery, to Gulf Research & Development Co. 2,700,014, Cl. 196—53.  
 Animal Trap Co. of America: See—  
   Weidman, Cleon, Sr. 2,721,690.  
 Anjeskey, Alphonse F., and H. A. Cotesworth, to The Cleveland Crane & Engineering Co. 2,700,705, Cl. 191—23.  
 Anken Chemical and Film Corp.: See—  
   Wolfson, Kurt. 2,718,466.  
 Anker-Werke A. G.: See—  
   Aurbach, Kurt. 2,698,660.  
   Kollmann, Kurt. 2,714,487.  
   Krüger, August. 2,698,573.  
   Theenhausen, Heinrich. 2,704,527.  
 Anliker, Carl A., to American Rock Wool Corp. 2,707,847, Cl. 49—1.  
 Anmelders Auf Die Firma Carl F. W. Borgward G. m. b. H.: See—  
   Black, Willy. 2,699,236.  
 Annerhed, Karl B., to Sandvikens Jernverks Aktiebolag. 2,712,332, Cl. 74—232.  
 Annett, Charles E., to A. J. Salerno. 2,705,886, Cl. 72—68.  
 Annis, Robert W. 2,727,205, Cl. 323—43.5.  
 Anper, Inc.: See—  
   Perugia, Andre. 2,726,462.  
 Anschuetz, Harvey J., and L. J. Serratori, to Kaiser Motors Corp. 2,704,225, Cl. 296—107.  
 Ansel, Harry R., to Wm. J. Stange Co. 2,713,000, Cl. 99—140.  
 Ansel, Tracy S.: See—  
   Cox, Thomas O., Rankin, and Trott. 2,698,729.  
 Ansell, Marion W. 2,723,153, Cl. 294—66.  
 Ansol Co., Inc.: See—  
   Hackmyer, Saul S. 2,726,638.  
 Anspacher, Edgar. 2,700,459, Cl. 206—46.  
 Anspen, Harry D., to General Aniline & Film Corp. 2,704,770, Cl. 260—486.  
 Anspen, Harry D., to General Aniline & Film Corp. 2,719,836, Cl. 260—91.7.  
 Anstalt für die Entwicklung von Erfindungen und Gewerblichen Anwendungen "Energia": See—  
   Brandt, Edgar W. 2,699,722.  
   Brandt, Edgar W. 2,717,552.  
 Anstalt Unda: See—  
   Becker, Walter. 2,714,744.  
 Ansul Chemical Co.: See—  
   Allen, Alden. 2,699,216.  
   Arkens, Henry E. 2,707,682.  
   Ehman, Philip J. 2,720,492.  
   Guise, Arthur B. 2,719,390.  
   Guise, Arthur B. 2,720,270.  
   Guise, Arthur B., and Paulsen. 2,708,605.  
   Zellner, Robert J., and Ehman. 2,722,502.  
 Antenbring, Stanley V.: See—  
   McRae, Alexander D., and Antenbring. 2,707,560.  
 Antes, Paul. 2,723,134, Cl. 280—488.  
 Anthony, Charles, Jr., and R. Thomann, Jr., to Specialties Development Corp. 2,724,693, Cl. 252—2.  
 Anthony, John W.: See—  
   Hollopetre, John H., and Anthony. 2,701,588.  
 Anthony, Virginia G.: See—  
   Grebe, George F., and Anthony. 2,712,058.  
 Anton, Aaron: See—  
   Godshalk, James B., Anton, and Rezek. 2,715,710.  
   Lowry, Emory S., Anton, and Godshalk. 2,710,936.  
 Anton, Nicholas. 2,701,835, Cl. 219—29.  
 Anton, Nicholas. 2,724,041, Cl. 219—26.  
 Antoni, Giuseppe, 50% to R. P. Mucilli. 2,723,338, Cl. 219—34.  
 Antonidis, John E., to General Motors Corp. 2,716,895, Cl. 74—7.  
 Antonik, Michael G.: See—  
   Small, Louis, and Antonik. 2,726,540.  
 Antonson, Anker K., to Fairbanks, Morse & Co. 2,703,077, Cl. 123—193.  
 Antonson, Anker K., to Fairbanks, Morse & Co. 2,723,003, Cl. 184—6.  
 Antos, Joseph, and E. C. Brown, to Austin-Western Co. 2,708,280, Cl. 15—83.  
 Antraque, Roger: See—  
   André, Anders V. 2,699,081.  
 Antranikian, Haig V. 2,710,309, Cl. 178—5.4.  
 Antranikian, Haig. 2,723,304, Cl. 178—5.4.  
 Anxionnaz, René: See—  
   Sédille, Marcel H. L. 2,701,443.  
 Anxionnaz, René, 1/2 to Societe Rateau (Societe Anonyme). 2,703,477, Cl. 60—35.6.  
 A-1 Bit & Tool Co., Inc.: See—  
   Trimble, Harry C., and Woelfel. 2,709,490.  
 Apco Mossberg Co.: See—  
   Booth, Ralph E. 2,704,472.  
   Booth, Ralph E. 2,722,834.  
 Apel, John H., to The Jaeger Machine Co. 2,711,257, Cl. 214—140.  
 Apex Electrical Mfg. Co., The: See—  
   Hollerith, Charles. 2,701,574.  
   Kirby, James B. 2,699,660.  
   Kirby, James B. 2,715,826.  
 Apex Products Corp.: See—  
   Poutinen, Paul T. 2,699,192.  
 Apex (Trinidad) Oilfields, Ltd.: See—  
   De Verteuil, Louis R. 2,704,552.  
   De Verteuil, Louis R. 2,704,553.  
 Apgar, Frank A., to Sinclair Refining Co. 2,704,779, Cl. 260—674.  
 Apostoli, John T. 2,698,446, Cl. 7—1.  
 Appel, Andrew L. 2,709,419, Cl. 120—103.  
 Appel, Andrew L. 2,709,543, Cl. 222—246.  
 Appel, Frank H., A. E. Acker, and D. F. Welch, to Pressure Containers, Inc. 2,699,890, Cl. 222—394.  
 Appel, Walter K. 2,715,401, Cl. 128—148.  
 Appell, Herbert R., to Universal Oil Products Co. 2,704,281, Cl. 252—413.  
 Appell, Herbert R., to Universal Oil Products Co. 2,726,141, Cl. 23—152.  
 Appert, Kurt E., and L. G. Erickson, to Lenkurt Electric Co., Inc. 2,710,920, Cl. 250—36.  
 Apple, Edward M.: See—  
   Rowser, Earl C., and Apple. 2,726,417.  
 Applegate, Lindsay M. 2,728,304, Cl. 105—183.  
 Applegate, Robert B., to Cleveland Electrical Equipment Co., Inc. 2,714,174, Cl. 310—265.  
 Applegate, Walter M. 2,722,250, Cl. 144—288.  
 Appleton, Arthur I. 2,699,315, Cl. 248—340.  
 Appleton, Arthur I. 2,701,908, Cl. 29—284.  
 Appleton, Arthur I. 2,715,214, Cl. 339—180.  
 Appleton, Arthur I. 2,726,372, Cl. 339—8.  
 Appleton, Scott S., and M. M. Brenner, to the United States of America as represented by the Secretary of the Army. 2,725,471, Cl. 250—27.  
 Appleton, William H.: See—  
   Burney, James H., Appleton, De Livan, and Farly. 2,714,667.  
 Apra Precipitator Corp.: See—  
   Valvo, Joseph F. 2,717,052.  
   Vickland, John C. 2,708,007.  
 Apstein, Maurice, to the United States of America as represented by the Secretary of Commerce. 2,717,981, Cl. 318—118.  
 Apstein, Maurice. 2,718,224, Cl. 128—2.06.  
 Aqua-Life Products Corp.: See—  
   Arak, Henry M., and Weitzman. 2,699,488.  
 Arak, Henry M., and M. J. Weitzman, to Aqua-Life Products Corp. 2,699,488, Cl. 219—41.  
 Arapahoe Chemicals, Inc.: See—  
   Park, Joseph, Lacher, and Gerjovich. 2,713,595.  
   Park, Joseph D., Lacher, and Gerjovich. 2,713,596.  
 Arata, James D. 2,702,484, Cl. 74—230.17.



- Arbogast, Alfred C., to Elkhart Screw Products, Inc. 2,701,002, Cl. 153—48.
- Arbogast, Alva G. 2,719,007, Cl. 237—9.
- Arbogast, Ray D., to Burgess Battery Co. 2,706,214, Cl. 136—133.
- Arbona Navarro, F. 2,705,395, Cl. 57—134.
- Arcadia Metal Products : *See*—  
Best, Melvin H., and Le Bon. 2,719,340.  
Le Bon, Charles B., III. 2,701,157.  
Palmer, Charles S., Jr. 2,701,156.
- Arcair Co. : *See*—  
Stepath, Myron D. 2,726,309.  
Stepath, Myron D., Krumm, and Ross. 2,706,236.
- Arcamonte, Humbert. 2,704,385, Cl. 20—42.
- Arce, Ambrosio. 2,724,951, Cl. 62—43.
- Archangeli, Martin D., to Eaton Mfg. Co. 2,719,515, Cl. 123—90.
- Archer-Daniels-Midland Co. : *See*—  
Miller, Harry. 2,700,533.
- Archer, Edward M., to Brown Co. 2,722,869, Cl. 92—39.
- Archer, Farley J. 2,706,098, Cl. 248—44.
- Archer, Gardner. 2,715,380, Cl. 114—77.
- Archer, John L. 2,713,115, Cl. 240—51.12.
- Archer, Sydney, to Sterling Drug Inc. 2,704,287, Cl. 260—309.5.
- Archer, Sydney, to Sterling Drug Inc. 2,705,726, Cl. 260—518.
- Archer, William G., to Babcock & Wilcox Ltd. 2,717,814, Cl. 308—20.
- Archer, William K., and P. A. Marchant, to Injection Molding Co. 2,711,766, Cl. 150—5.
- Areturus Mfg. Corp. : *See*—  
Sheehan, James W. 2,717,138.
- Ardell, Edgar : *See*—  
Holstebro, Kaye B., Ardell, and Mosley. 2,728,177.  
Wimmer, Ludwig, and Ardell. 2,713,448.
- Ardell, Edgar, to Embart Mfg. Co. 2,727,664, Cl. 226—14.
- Arden, Thomas T., to Robertshaw-Fulton Controls Co. 2,711,216, Cl. 158—124.
- Arden, Thomas V., F. H. Burstall, R. P. Linstead, and R. A. Wells. 2,728,633, Cl. 23—14.5.
- Ardena, Manlio. 2,715,651, Cl. 136—43.
- Arditi, Maurice, and P. Parzen, to International Telephone and Telegraph Corp. 2,726,332, Cl. 250—36.
- Arenberg, David L., to the United States of America as represented by the Secretary of the Navy. 2,703,867, Cl. 333—30.
- Arenberg, David L. 2,712,638, Cl. 333—30.
- Arengo Aktiebolag : *See*—  
Granstedt, Karl E. 2,718,890.
- Arend, Christopher, to International Harvester Co. 2,700,555, Cl. 280—504.
- Arend, Christopher, to International Harvester Co. 2,727,348, Cl. 56—1.
- Arens, Charles A. 2,710,765, Cl. 294—50.6.
- Arens, Egmont : *See*—  
Stuart, Whitney A., and Huxtable. 2,714,751.
- Arens, George F. : *See*—  
Van Rosen, Robert E., Arens, and Struble. 2,711,843.
- Arent, Otto H. 2,706,360, Cl. 43—42.46.
- Arey, Fred C. : *See*—  
Hibner, De Los E., Jr., and Arey. 2,699,566.
- Argabrite, George A., to Pacific Transducer Corp. 2,700,109, Cl. 250—83.3.
- Argabrite, George A., to Pacific Transducer Corp. 2,701,964, Cl. 73—343.
- Argentieri, Peter, and H. Daninhirsch, to Connor Engineering Corp. 2,722,880, Cl. 98—40.
- Argentieri, Peter A., and T. L. Day. 2,712,786, Cl. 98—40.
- Argentin André, Luciano. 2,714,297, Cl. 66—1.5.
- Argento, Henry F., to Raytheon Mfg. Co. 2,703,079, Cl. 128—2.07.
- Argodale, John, to Twin Cities Mfg. Co. 2,711,281, Cl. 229—37.
- Argus Chemical Laboratory, Inc. : *See*—  
Leistner, William E., and Hecker. 2,704,756.  
Leistner, William E., and Knoepke. 2,725,365.
- Aries, Robert S. 2,698,849, Cl. 260—290.
- Aries, Robert S. 2,700,042, Cl. 260—290.
- Aries, Robert S. 2,702,802, Cl. 260—295.5.
- Aries, Robert S., and A. P. Sachs; said Sachs assor. to said Aries. 2,708,196, Cl. 260—295.5.
- Arimoto, Fred S., to E. I. du Pont de Nemours and Co. 2,720,448, Cl. 44—69.
- Arimoto, Fred S., to E. I. du Pont de Nemours and Co. 2,720,449, Cl. 44—69.
- Ariotti, Guido, to The Glidden Co. 2,724,615, Cl. 299—140.1.
- Aris Gloves, Inc. : *See*—  
Stanton, Robert. 2,700,770.
- Arisman, Mervin B. : *See*—  
Daily, Arthur M., and Arisman. 2,717,944.
- Arisman, Mervin B., and A. M. Daily, to Chicago Telephone Supply Corp. 2,721,245, Cl. 201—55.
- Aristocrat Leather Products, Inc. : *See*—  
Markus, George, and Siegel. 2,710,046.  
Markus, George, and Siegel. 2,723,477.  
Markus, George, and Siegel. 2,726,941.
- Arkell and Smiths : *See*—  
Brockardt, Frank G., Jr., Koch, and Harmsen. 2,723,606.
- Arkell, William C., R. F. Mallina, and H. J. Braun, to New York University. 2,700,227, Cl. 35—11.
- Arkell Safety Bag Co. : *See*—  
Doyle, James F., and Onasch. 2,704,106.
- Arkell and Smiths : *See*—  
Robinson, Paul C. 2,703,224.
- Arkens, Henry E., to Ansul Chemical Co. 2,707,682, Cl. 99—8.
- Arkis, Jerome W., and J. M. Miller, to Standard Oil Co. 2,726,942, Cl. 44—56.
- Ark-Les Switch Corp. : *See*—  
Batcheller, Hugh W. 2,713,673.
- Arkoosh, Fred G., and G. E. Carpenter, to Wilkinson Mfg. Co. 2,713,995, Cl. 257—3.
- Arledter, Hanns : *See*—  
Engelhardt, Rudolf, and Arledter. 2,703,857.
- Arledter, Hanns F., to Hurlbut Paper Co. 2,706,156, Cl. 92—21.
- Arledter, Hanns F., to Hurlbut Paper Co. 2,721,139, Cl. 92—3.
- Arlington Seating Co. : *See*—  
Close, Charles F. 2,728,480.
- Arliss, Charles, to Arliss Co. Inc. 2,700,845, Cl. 46—8.
- Arliss Co. Inc. : *See*—  
Arliss, Charles. 2,700,845.
- Arlt, Herbert G., Jr. : *See*—  
Webb, John S., and Arlt. 2,705,714.
- Arlitt, William H., Jr. 2,704,140, Cl. 190—28.
- Armcast, Robert H., to American Drill Bushing Co., Inc. 2,698,547, Cl. 77—62.
- Armcast, Wilbur H., A. R. Mumford, C. W. Wehmeyer, and W. H. Kutschale, to Combustion Engineering, Inc. 2,708,981, Cl. 183—22.
- Armbrust Chain Corp. : *See*—  
Armbrust, Ferdinand. 2,711,069.
- Armbrust, Ferdinand, to Armbrust Chain Corp. 2,711,069, Cl. 59—35.
- Armco Steel Corp. : *See*—  
Bocking, Benjamin B. 2,700,908.  
Brookes, Albert H., Rieger, and Martin. 2,703,512.  
Brown, Edward L., Robertson, and Shafer. 2,726,830.  
Boyle, William C., and Bursk. 2,718,117.  
Ellis, Obe B., and Oganowski. 2,703,766.  
Fay, James E. 2,714,864.  
Gronemeyer, Herbert W. 2,700,813.  
Gronemeyer, Herbert W. 2,700,814.  
Gronemeyer, Herbert W. 2,700,909.  
Hudson, Edwin B., and Taylor. 2,708,572.  
Jennings, Paul A. 2,698,785.  
Marshall, William E. 2,709,131.  
Miller, Eugene P. 2,703,846.  
Robertson, John M. 2,706,493.  
Taylor, Charles R. 2,703,661.  
Watkins, Stanley P. 2,700,314.  
White, Kenneth M. 2,699,247.
- Armentl, James. 2,718,203, Cl. 112—235.
- Armington, Raymond Q. : *See*—  
Double, Walter F., Schindler, and Armington. 2,723,567.
- Armistead, Fontaine C., to Texaco Development Corp. 2,714,169, Cl. 250—71.  
2,721,943, Cl. 250—71.
- Armistead, Wilbur H. 2,707,010, Cl. 150—35.
- Armistead, William H., to Corning Glass Works. 2,699,398, Cl. 106—53.
- Armistead, William H., to Corning Glass Works. 2,699,399, Cl. 106—53.
- Armitage, Bronson W., 1/2 to J. R. Linskey. 2,722,938, Cl. 131—194.
- Armitage, James D., C. Bliss, and D. Ezell, to John L. Armitage & Co., Inc. 2,715,587, Cl. 117—63.
- Armitage, John L., & Co., Inc. : *See*—  
Armitage, James D., Bliss, and Ezell. 2,715,587.
- Armitage, R. A. : *See*—  
McCarthy, Ivan A. 2,728,371.
- Armour, Alan M., to Metropolitan-Vickers Electrical Co. Ltd. 2,721,973, Cl. 324—34.
- Armour and Co. : *See*—  
Coleman, Harold M., and Hopkins. 2,711,373.  
Greer, Donald M., and Zink. 2,709,656.  
Harrington, Bertie S. 2,709,538.  
Hawkins, James R. 2,726,489.  
Hoerr, Charles W. 2,705,723.  
Hull, Maurice E. 2,699,995.  
Keil, Havard L., and Fencil. 2,708,169.  
Keil, Havard L. 2,728,759.  
Lolli, August L., and Cavanaugh. 2,703,779.  
Reck, Richard A., and Ross. 2,727,026.  
Shinn, Byron M., and Childs. 2,721,142.  
Szent-Gyorgyi, Albert E., and A. G. 2,721,860.  
Vander Wal, Robert J., Harwood, and Reck. 2,712,558.  
Weber, William F., and Hedstrom. 2,710,819.  
White, Wilfred F., and Giffie. 2,713,021.
- Armour Research Foundation of Illinois Institute of Technology : *See*—  
Camras, Marvin. 2,699,408.  
Camras, Marvin. 2,702,833.  
Camras, Marvin. 2,702,835.  
Camras, Marvin. 2,706,118.  
Camras, Marvin. 2,710,662.  
Camras, Marvin. 2,713,091.  
Camras, Marvin. 2,713,462.
- Arms, Richard A., to Hewlett-Packard Co. 2,699,597, Cl. 29—155.55.
- Armstrong, Billie H. 2,726,156, Cl. 99—92.
- Armstrong Bros. Tool Co. : *See*—  
Armstrong, John O. 2,705,441.
- Armstrong, Bruce, to Jackson & Church Co. 2,709,957, Cl. 100—117.
- Armstrong, Bruce, to Jackson and Church Co. 2,716,926, Cl. 92—26.



- Armstrong, Bruce, to Jackson and Church Co. 2,717,195, Cl. 8—156.
- Armstrong, Charles E., to Electric Controls, Inc. 2,699,480, Cl. 200—139.
- Armstrong, Charles W., to Radio Corp. of America. 2,710,940, Cl. 323—22.
- Armstrong Cork Co.: See—
- Alexander, John D. 2,717,538.
- Baymiller, John W. 2,699,577.
- Baymiller, John W. 2,720,476.
- Bushnell, Collins E. 2,720,496.
- Dyer, Elizabeth, and Weisgerber. 2,698,840.
- Feigley, David A., Jr. 2,715,066.
- Gaenzle, Luther E. 2,720,384.
- Gard, George E. 2,707,801.
- Gard, George E. 2,707,802.
- Gard, George E. 2,719,329.
- Gottschalk, Winston W. 2,701,015.
- Gottschalk, Winston W. 2,701,034.
- Green, Clarence C. 2,712,203.
- Hayes, William. 2,713,419.
- Hazeltine, James E., Jr. 2,705,684.
- Hazeltine, James E., Jr., and Gelzenlichter. 2,705,683.
- Herr, Benjamin F. 2,725,653.
- Landis, Harry H. 2,706,000.
- Lockwood, Louis H., and Yohn. 2,720,230.
- Lyall, John D. 2,703,206.
- McLaughlin, Guy, Jr. 2,699,197.
- Rueggeberg, Werner. 2,721,924.
- Armstrong, Daniel A., to Scott-Atwater Mfg. Co. Inc. 2,702,517, Cl. 115—18.
- Armstrong, Daniel A., W. J. Raleigh, and A. G. Scott, to Scott-Atwater Mfg. Co. Inc. 2,713,858, Cl. 123—139.
- Armstrong, Eldon L., to Socony-Vacuum Oil Co., Inc. 2,704,363, Cl. 252—28.
- Armstrong, Francis J., to United States Hoffman Machinery Corp. 2,717,698, Cl. 210—63.
- Armstrong, George C., deceased, by N. A. Armstrong, executrix, to Westinghouse Electric Corp. 2,712,083, Cl. 310—68.
- Armstrong, George T. 2,728,127, Cl. 25—131.
- Armstrong, Godfrey P., T. Bewley, and M. D. Cooke, to Hercules Powder Co. 2,720,549, Cl. 260—621.
- Armstrong, Godfrey P., T. Bewley, and M. D. Cooke, to Hercules Powder Co. 2,728,793, Cl. 260—621.
- Armstrong, Godfrey P., T. Bewley, and M. D. Cooke, to Hercules Powder Co. 2,728,795, Cl. 260—621.
- Armstrong, Gordon, and J. W. Dorsak, to The Gordon Armstrong Co., Inc. 2,706,473, Cl. 128—1.
- Armstrong, Gordon, Co., Inc., The: See—
- Armstrong, Gordon, and Dorsak. 2,706,473.
- Dorsak, John W. 2,720,387.
- Dorsak, John W. 2,721,252.
- Dorsak, John W., and Van Denberg. 2,720,388.
- Armstrong, H. B.: See—
- Hilton, Ralph W. 2,703,711.
- Armstrong, J. H.: See—
- Hilton, Ralph W. 2,703,711.
- Armstrong, John A., and H. J. White, to Research Corp. 2,711,225, Cl. 183—7.
- Armstrong, John O., to Armstrong Bros. Tool Co. 2,705,441, Cl. 90—59.
- Armstrong, John W.: See—
- Frank, Bernard E., and Armstrong. 2,709,000.
- Armstrong, Marshall C.: See—
- Biefeld, Lawrence P., and Armstrong. 2,712,512.
- Biefeld, Lawrence P., Armstrong, and Shannon. 2,717,841.
- Armstrong, Nano A.: See—
- Armstrong, George. 2,712,083.
- Armstrong Patents Co. Ltd.: See—
- Brilliant, Frederick H. 2,699,845.
- Armstrong, Raymond E. 2,716,840, Cl. 46—142.
- Armstrong, Robert T.: See—
- Piperoux, Rene P., and Armstrong. 2,717,418.
- Armstrong Siddeley Motors Ltd.: See—
- Allen, Sidney. 2,704,435.
- Allen, Sidney. 2,705,399.
- Allen, Sidney. 2,705,400.
- Allen, Sidney. 2,707,965.
- Allen, Sidney, and Hurden. 2,708,342.
- Allen, Sidney, and Stokes. 2,705,401.
- Allen, Sidney, and Stokes. 2,706,889.
- Andrews, Edward G. D., and Mottram. 2,701,445.
- Lindsey, William H., and Caswell. 2,710,068.
- Rainbow, Horace S. 2,704,136.
- Rainbow, Horace S., and Guest. 2,708,340.
- Slatter, Brain H., Daish, and Caswell. 2,699,219.
- Sunley, Henry L. G. 2,711,751.
- Armstrong, Werner E., to Fairbanks, Morse & Co. 2,718,294, Cl. 192—105.
- Armstrong, Werner E., to Fairbanks, Morse & Co. 2,724,584, Cl. 261—69.
- Army, United States of America as represented by the Secretary of the: See—Continued.
- Bruce, John N., and Maza. 2,722,397.
- Brueckmann, Helmut. 2,700,733.
- Brueckmann, Helmut. 2,705,737.
- Brush, Milton R. 2,702,376.
- Buchhold, Theodor, Haeussermann, and Lindner. 2,717,969.
- Clevett, Merton L., Jr. 2,712,864.
- Cushman, Walton W. 2,709,519.
- Cushman, Walton W. 2,720,992.
- Cushman, Walton W., and Wentz. 2,708,023.
- Darsie, Burns. 2,708,390.
- Darsie, Burns. 2,715,857.
- Day, Walter T. J., Sablesak, and Levine. 2,728,865.
- De Juhasz, Kalman J. 2,700,540.
- De Rosa, John A., and Snell. 2,700,628.
- Distel, Maurice. 2,713,468.
- Dixon, Paul H. 2,714,333.
- Dixon, Paul H., and Rutter. 2,720,820.
- Dixon, Paul H., and Wallin. 2,712,192.
- Ellis, Grenville B. 2,705,249.
- Faust, Charles L. 2,718,494.
- Fischbach, Adolph. 2,700,693.
- Fletcher, Maurice J., McKee, Riblett, and Brown. 2,706,296.
- Frazier, Quentin, and Brady. 2,710,218.
- Frederick, Edward R. 2,713,547.
- Frederick, Edward R. 2,714,561.
- Frederick, Edward R. 2,715,086.
- Frederick, Edward R., and Jaskowski. 2,714,767.
- Funk, Walter, Jr., and Kincheloe. 2,709,962.
- Garrahan, Philip G. 2,718,191.
- Garrison, Jack W., and Humphreys. 2,723,351.
- Gottschall, Herbert A. 2,700,695.
- Grover, Horace J. 2,707,397.
- Gruner, John W. 2,724,688.
- Guilbert, Nicholas R., Jr. 2,714,998.
- Hager, Karl F., and Rosenthal. 2,708,184.
- Hager, Karl F., and Rosenthal. 2,715,572.
- Hammer, Samuel. 2,705,575.
- Harvey, Earle M. 2,714,334.
- Hathaway, Jarrett L. 2,708,738.
- Hickman, Clarence N. 2,701,525.
- Huetten, Clarence, and Reeve. 2,712,048.
- Hoadley, George B., and Hachemeister. 2,714,655.
- Hochberg, Frederick. 2,721,357.
- Hoppert, Filser D. 2,715,858.
- Houston, Herbert W., Urbany, and Allison. 2,720,835.
- Jacobs, Harold, and Dobischek. 2,709,134.
- Jaffe, Bernard. 2,708,244.
- Jones, Harold S., and Evans. 2,706,316.
- Jones, John P., Jr. 2,722,660.
- Johnson, Harwick. 2,716,192.
- Kaprelian, Edward K. 2,705,758.
- Kazan, Benjamin. 2,704,336.
- Kazan, Benjamin. 2,717,328.
- Kazan, Benjamin. 2,720,610.
- Kennard, Jarman G. 2,707,086.
- Kennedy, Edward P. 2,721,738.
- Koeper, Casper J., Gilhooly, and Wasserman. 2,704,033.
- Kramer, Alexander E., and Matson. 2,715,856.
- Krohn, Herbert F., Flynn, and Sassaman. 2,720,714.
- Kumpfer, Beverly D. 2,710,919.
- Kumpfer, Beverly D. 2,720,628.
- Kunz, William R. 2,725,614.
- Ladisch, Rolf K. 2,706,710.
- Ladisch, Rolf K. 2,706,711.
- Ladisch, Rolf K. 2,706,712.
- Ladisch, Rolf K., and Knesbach. 2,728,721.
- Lee, Max M. 2,700,185.
- Leibowitz, Jack R. 2,707,719.
- Lippel, Bernard. 2,711,499.
- Lippel, Bernard, and Buegler. 2,714,204.
- Lipton, Milton A. 2,726,374.
- MacCaffray, Rex S. 2,713,320.
- MacGlashan, William F., Jr., and Margraf. 2,723,681.
- MacIntosh, Robert M. 2,715,616.
- Mack, William. 2,705,580.
- Mack, William. 2,705,581.
- Magnusson, Knut J. 2,716,153.
- Matson, Leslie E., Jr. 2,702,900.
- Meek, George W. 2,717,514.
- Michel, Josef M., and Hager. 2,704,264.
- Middleditch, Lyman, Jr. 2,718,940.
- Miller, James F. 2,714,453.
- Moon, Cecil W. 2,727,418.
- Moore, Charles B., and Huch. 2,708,082.
- Mork, Raymond P., and Clapp. 2,712,640.
- Moseman, John W., Jr. 2,705,921.
- Mulvanity, Ralph T., Freed, and Sabaroff. 2,707,528.
- Musser, C. Walton. 2,726,055.
- Nelson, Harold R. 2,700,627.
- Norton, William C., and Herman. 2,724,334.
- Oberrender, Robert R. 2,701,366.
- Orlando, Carl. 2,712,607.
- Otley, Kurt O., and Weyl. 2,722,519.
- Periale, John A. 2,699,528.
- Pierce, Roger J. 2,701,863.
- Rabinow, Jacob. 2,727,605.
- Rothstein, Jerome. 2,711,379.
- Rothstein, Jerome. 2,721,972.
- Rotkin, Israel. 2,701,526.
- Ryan, James H., and Smith. 2,720,819.



- Army, United States of America as represented by the Secretary of the: *See*—Continued.
- Salati, Octavio M. 2,706,257.  
 Salati, Octavio M. 2,712,101.  
 Salati, Octavio M. 2,716,206.  
 Schoenfeld, Earl H. 2,713,682.  
 Schuessler, Carlos F. 2,702,072.  
 Schuler, Albert E., and Beichel. 2,710,537.  
 Schwarz, Erich G. K. 2,715,684.  
 Simmons, Orien W. 2,714,236.  
 Simpson, Clarence E. 2,710,477.  
 Smoke, Edward J. 2,726,964.  
 Snyder, James. 2,700,318.  
 Snyder, James. 2,721,315.  
 Stirrat, William A. 2,711,508.  
 Stodola, Edwin K. 2,721,266.  
 Suchoff, Lydia. 2,702,252.  
 Suchow, Lawrence. 2,723,914.  
 Suchow, Lawrence, and Hersh. 2,700,610.  
 Swipp, Stanley W., Koepfer, Kester, and Olson. 2,720,818.  
 Taylor, Cecil H. 2,717,535.  
 Thompson, Parke H. 2,715,873.  
 Vant, Leslie M. 2,705,306.  
 Warden, William K. 2,721,048.  
 Weiner, Louis I. 2,715,226.  
 White, John E. 2,705,293.  
 White, Harry B., Stahl, and Duff. 2,728,902.  
 Whittlesey, Welsh C. 2,706,317.  
 Williams, Chester P. 2,712,106.  
 Winslow, Arthur F. 2,719,584.  
 Young, Charles J. 2,716,048.  
 Zweigbaum, Harold. 2,699,547.  
 Zimmerman, Harold F. 2,715,825.
- Armzen Co.: *See*—  
 Sendzimir, Tadeusz. 2,710,550.
- Arnaud, Albert C.: *See*—  
 Mellon, Patrick R. 2,708,937.
- Arnberg, Gunnar: *See*—  
 Österman, Karl, and Arnberg. 2,717,569.
- Arndt, Raymond, to Habco Mfg. Co. 2,699,769, Cl. 126—110.
- Arndt, Raymond. 2,706,345, Cl. 34—65.
- Arnejo, Anthony. 2,714,138, Cl. 200—44.
- Arnes, Lyle L.: *See*—  
 Trautman, Walter C., and Arnes. 2,706,052.
- Arneson, Edwin L., to Morris Paper Mills. 2,700,486, Cl. 220—105.
- Arneson, Edwin L., to Morris Paper Mills. 2,703,198, Cl. 229—41.
- Arneson, Edwin L., to Morris Paper Mills. 2,717,097, Cl. 220—113.
- Arneson, Edwin L., to Morris Paper Mills. 2,717,098, Cl. 220—113.
- Arnett, Lyda M., Jr., M. F. Bechtold, and R. E. Benson, to E. I. du Pont de Nemours & Co. 2,728,732, Cl. 252—383.
- Arneri, William, ½ to T. Tonna. 2,719,496, Cl. 107—27.
- Arnold, Albert W., to Cascade Pump Co. 2,711,136, Cl. 103—117.
- Arnold, Berel A., E. K. Renz, to Knight Leather Products, Inc. 2,717,671, Cl. 190—41.
- Arnold, Charlie A. 2,714,367, Cl. 119—27.
- Arnold, David E., to Westinghouse Electric Corp. 2,712,063, Cl. 250—20.
- Arnold, Everett B., Jr.: *See*—  
 Phinney, Frederick G., and Arnold. 2,709,102.
- Arnold, Fred W., Jr.: *See*—  
 Francis, William B., Jr., and Arnold. 2,721,434.
- Arnold, George B., and H. V. Hess, to The Texas Co. 2,707,192, Cl. 260—450.
- Arnold, Gerald D. 2,708,503, Cl. 198—37.
- Arnold, Harold W., and G. P. Monet, to E. I. du Pont de Nemours & Co. 2,721,171, Cl. 204—180.
- Arnold, Harry I., to Ingersoll-Rand Co. 2,725,771, Cl. 81—61.
- Arnold, Henning, and W. S. Knudsen. 2,701,132, Cl. 259—144.
- Arnold, Henry N. 2,706,362, Cl. 43—124.
- Arnold, Henry N. 2,706,363, Cl. 43—124.
- Arnold, Herrick R., and E. C. Herrick, to E. I. du Pont de Nemours & Co. 2,702,232, Cl. 23—51.
- Arnold, Herrick R., and E. C. Herrick, to E. I. du Pont de Nemours & Co. 2,726,218, Cl. 260—2.
- Arnold, Hoffman & Co. Inc.: *See*—  
 Barnes, Carl E., Ney, and Nummy. 2,711,398.
- Arnold, Howard H., to Western Electric Co., Inc. 2,705,421, Cl. 73—66.
- Arnold, James C., to Gamma Surveys, Inc. 2,702,882, Cl. 324—44.
- Arnold, Loren G.: *See*—  
 Knapp, William E., and Arnold. 2,707,906.
- Arnold, Marguerite C.: *See*—  
 Johnson, George W. 2,699,889.
- Arnold, Odis E. 2,718,058, Cl. 30—102.
- Arnold, Orlan M., and R. M. Jamison, to Olin Mathieson Chemical Corp. 2,715,564, Cl. 23—190.
- Arnold, Perry C., to Chicago Bridge & Iron Co. 2,713,106, Cl. 219—8.
- Arnold, Philip M., to Phillips Petroleum Co. Re. 24,038, Cl. 260—666.
- Arnold, Richard T., to General Mills, Inc. 2,698,857, Cl. 260—405.5.
- Arnold, Thomas T. 2,704,366, Cl. 2—198.
- Arnold, Leo. 2,722,246, Cl. 143—159.
- Arnolt, Arthur K. 2,699,483, Cl. 219—1.
- Arnolt, Arthur K. 2,718,846, Cl. 101—9.
- Arnouil, Maurice, to Societe Anonyme dite: S. E. P. A. Societe d'Exploitation des Procèdes Arnouil. 2,710,137, Cl. 230—172.
- Aro Equipment Corp.: *See*—  
 Ford, William B. 2,719,446.  
 Ford, William B. 2,719,447.  
 Noonan, Richard E. 2,716,812.
- Aron, Walter A., to the United States of America as represented by the Secretary of the Navy. 2,706,279, Cl. 333—98.
- Arone, Nicholas F., to General Electric Co. 2,701,776, Cl. 117—76.
- Arone, Nicholas F., to General Electric Co. 2,717,216, Cl. 117—75.
- Aronovsky, Samuel I., and E. C. Lathrop, to the United States of America as represented by the Secretary of Agriculture. 2,708,160, Cl. 92—6.
- Aronson, Peter R., to Union Carbide and Carbon Corp. 2,699,596, Cl. 29—540.
- Aronson, Theodore F.: *See*—  
 Halahan, John, Aronson, and Lyon. 2,726,798.  
 Halahan, John, Lyon, and Aronson. 2,704,209.
- Aroyan, Harry J., to California Research Corp. 2,722,548, Cl. 260—524.
- Arpels, Pierre R. 2,720,932, Cl. 180—90.
- Arpin, John W., to Diving Corp. of America. 2,708,860, Cl. 89—1.
- Arps, Bruno F., to Arps Corp. 2,702,211, Cl. 305—8.
- Arps, Bruno F., to Arps Corp. 2,719,062, Cl. 305—8.
- Arps, Bruno F. 2,720,717, Cl. 37—191.
- Arps, Bruno F., to Arps Corp. 2,726,903, Cl. 305—8.
- Arps Corp.: *See*—  
 Arps, Bruno F. 2,702,211.  
 Arps, Bruno F. 2,719,062.  
 Arps, Bruno F. 2,726,903.
- Arps, Jan J. 2,700,897, Cl. 73—152.
- Arquint, Johann A., to Gebruder Buhler. 2,714,533, Cl. 302—11.
- Arrighini, Artil, to Roewall Co. 2,727,294, Cl. 25—131.
- Arrington, Richard H. 2,720,070, Cl. 56—23.
- Arrott, Anthony: *See*—  
 Keim, Jonathan R., and Arrott. 2,701,270.
- Arrow Fastener Co., Inc.: *See*—  
 Borroughs, Frank S. 2,719,971.
- Arrow-Hart & Hegeman Electric Co., The: *See*—  
 Bentley, Robert H. 2,715,715.  
 Bentley, Robert H. 2,725,438.  
 Schleicher, Harold E. 2,719,890.
- Arrowood, William G. 2,716,538, Cl. 254—131.5.
- Arrowsmith, George, to Hick, Hargreaves & Co., Ltd. 2,722,920, Cl. 122—451.
- Arscott, William H.: *See*—  
 Halford, Frank B., Moulton, and Arscott. 2,726,508.
- Arsem, Alvan D., to Radio Corp. of America. 2,716,218, Cl. 332—28.
- Art Color Printing Co.: *See*—  
 Consaul, John G., and Velten. 2,703,281.
- Art Metal Construction Co.: *See*—  
 Fitch, Jason A. 2,721,606.
- Arters, Albert A.: *See*—  
 Blank, Robert E., and Arters. 2,727,051.
- Artese, Dominick: *See*—  
 Ciambriello, Sam, and Artese. 2,721,723.
- Arth, Glen E., G. I. Poos, and L. H. Sarett, to Merck & Co., Inc. 2,722,532, Cl. 260—340.9.
- Arthur, Edwin P., to Beckman Instruments, Inc. 2,705,220, Cl. 204—195.
- Arthur Industries Inc.: *See*—  
 Arthur, Oscar F. 2,702,641.
- Arthur, Oscar F. 2,702,498, Cl. 94—13.
- Arthur Oscar F., to Arthur Industries Inc. 2,702,641, Cl. 211—71.
- Arthur, Richard P., and E. L. Earle, to International Telephone and Telegraph Corp. 2,703,394, Cl. 339—198.
- Arthurs, Stanley, to The Standard Oil Co. 2,723,945, Cl. 196—46.
- Artistic Foundations, Inc.: *See*—  
 Freedman, Murray. 2,725,562.
- Artzt, Maurice, to Radio Corp. of America. 2,701,862, Cl. 333—74.
- Artzt, William W. 2,707,284, Cl. 2—243.
- Artzt, William W., to Trimless, Inc. 2,720,853, Cl. 112—210.
- Artzt, William W., and S. Rieger, to Trimless, Inc. 2,707,927, Cl. 112—252.
- Arundale, Erving, and L. A. Mikeska, to Esso Research and Engineering Co. 2,721,223, Cl. 260—632.
- Arutunoff, Armais. 2,709,574, Cl. 255—72.
- Arutunoff, Armais. 2,715,344, Cl. 74—801.
- Arutunoff, Armais, to Reda Pump Co. 2,725,824, Cl. 103—87.
- Arvai, Tibor. 2,709,044, Cl. 235—133.
- Arvan, Peter G.: *See*—  
 Jones, Otha C., and Arvan. 2,717,198.
- Arvanitakis, John P. 2,717,588, Cl. 123—169.
- Arvey Corp.: *See*—  
 Decker, Charles A. 2,720,046.  
 Goldman, Arthur. 2,709,180.  
 Kleiman, Morton. 2,705,235.  
 Kleiman, Morton. 2,705,236.  
 Polen, Percy B. 2,712,030.
- Arvidson, Bengt A.: *See*—  
 Corley, Mark H., Arvidson, and Barber. 2,707,046.
- Arvidson, Bengt A., to Miller Wrapping & Sealing Machine Co. 2,720,994, Cl. 216—23.
- Arvidson, Gustaf A. 2,720,297, Cl. 192—60.



- Arvidsson, Karl A., to J. E. Forslund. 2,704,160, Cl. 214—77.
- Arvin Industries, Inc.: *See—*  
 Farr, Edward A., and Theisen. 2,707,745.  
 Theisen, John P. 2,720,156.
- Arvin, James A.: *See—*  
 Whitehill, Lynwood N., and Arvin. 2,704,750.
- Arvin, Martin J., to Milwaukee Gas Specialty Co. 2,702,828, Cl. 136—4.
- Arzt, Emanuel L. 2,708,128, Cl. 287—14.
- Asaff, Annis G., to Callaghan Hession Corp. 2,698,807, Cl. 106—170.
- Asaff, Annis G., to Callaghan Hession Corp. 2,717,245, Cl. 260—31.2.
- Asahi Chemical Industry Co., Ltd.: *See—*  
 Munekata, Eiji, Imamoto, and Mihara. 2,707,670.  
 Munekata, Eiji, and Mihara. 2,707,671.
- Asano, Toru, K. Sato, and O. Teramura, to The Governor of Tokyo-Metropolitan Office. 2,721,296, Cl. 315—97.
- Asbeck, Hans J., and L. J. Jordan, to The Sherwin-Williams Co. 2,726,632, Cl. 118—410.
- Asbill, Clarence M., Jr.: *See—*  
 Bogdan, John F., and Asbill. 2,698,538.
- Asbury, Allan: *See—*  
 Wilson, Graham R., and Asbury. 2,725,509.
- Asbury, Edward M. 2,701,359, Cl. 1—47.
- Asch, Andrew J. 2,702,412, Cl. 20—2.
- Aschaffenburg Zellstoffwerke A. G.: *See—*  
 Bernhauer, Konrad. 2,698,827.  
 Bernhauer, Konrad E., and Becher. 2,698,828.
- Asdell, Bernard K., to Minerals & Chemicals Corp. of America. 2,726,813, Cl. 241—5.
- Aseptic Thermo Indicator Co.: *See—*  
 Beckett, John S., and Marenus. 2,716,065.
- Ash, Jacob R., and A. L. Lambuth, to Monsanto Chemical Co. 2,727,869, Cl. 260—17.2.
- Ash, Ralph E. 2,725,686, Cl. 51—16.
- Ashburn, Evelyn L.: *See—*  
 Dilworth, John P., Culnane, and Ashburn. 2,721,845.
- Ashburn, Harry V.: *See—*  
 Dilworth, John P., Culnane, and Ashburn. 2,721,845.
- Ashby, Carl T., and C. A. Miller, to Servel, Inc. 2,715,818, Cl. 62—119.5.
- Ashby, Carl T., and C. A. Miller, to Servel, Inc. 2,715,819, Cl. 62—119.5.
- Ashby, Carl T., and B. A. Phillips, to Servel, Inc. 2,717,499, Cl. 62—6.
- Ashby, Robert M., to the United States of America as represented by the Secretary of the Air Force. 2,710,362, Cl. 315—21.
- Ashenburst, Robert L., to Bell Telephone Laboratories, Inc. 2,724,103, Cl. 340—174.
- Ashland Oil & Refining Co.: *See—*  
 Rozman, George J. 2,707,705.
- Ashley, Carlyle M., to Carrier Corp. 2,703,964, Cl. 62—1.
- Ashley, Carlyle M., to Carrier Corp. 2,710,507, Cl. 62—4.
- Ashley, James: *See—*  
 Mackey, Walter J. 2,699,139.
- Ashley, Kenneth D., to American Cyanamid Co. 2,701,793.
- Ashley, Kenneth D., to American Cyanamid Co. 2,702,792, Cl. 252—35.
- Cl. 252—451.
- Ashley, Lyman S. 2,726,608, Cl. 108—1.
- Ashley, Paul, to Fresno Consumers Ice Co. 2,711,255, Cl. 214—10.5.
- Ashmore, Harold H. 2,717,431, Cl. 20—62.
- Ashmus, Robert, to L. S. Michelman. 2,706,633, Cl. 273—30.
- Ashton, Benjamin N., and E. D. Holland, to Electrol Inc. 2,703,217, Cl. 251—282.
- Ashton, Robert, and T. Carroll, to Massey-Harris-Ferguson Ltd. 2,720,744, Cl. 56—208.
- Ashton, Robert, and T. Carroll, to Massey-Harris-Ferguson Ltd. 2,725,706, Cl. 56—192.
- Ashton, William H., to Johnson & Johnson. 2,700,636, Cl. 167—93.
- Ashuckian, Edward S. 2,721,387, Cl. 32—10.
- Ashworth, Fred, to United Shoe Machinery Corp. 2,700,350, Cl. 112—60.
- Ashworth, Harry E., to Westinghouse Air Brake Co. 2,728,880, Cl. 317—172.
- Askania Regulator Co.: *See—*  
 Ziebolz, Herbert. 2,699,356.  
 Ziebolz, Herbert. 2,724,397.  
 Ziebolz, Herbert, Campbell, and Baring. 2,712,184.  
 Ziebolz, Herbert, Campbell, and Baring. 2,712,414.
- Askania-Werke, A. G.: *See—*  
 Behrmann, Herwart. 2,705,373.
- Asker, Gunnar C. F., to Daly Merritt & Sullivan, Inc. 2,703,586, Cl. 137—625.43.
- Askren, Lee T., and H. N. Fairbanks, to Eastman Kodak Co. 2,716,005, Cl. 242—55.
- Askviken, Olav J., and M. Peterson. 2,724,226, Cl. 55—51.
- Asp, Eric T.: *See—*  
 Gesler, Alfred H., Asp, and Decker. 2,713,125.
- Aspen, Gerald L., and R. V. Berlin. 2,719,471, Cl. 95—86.
- Aspeck, Reginald J. 2,722,072, Cl. 41—1.
- Aspelin, Leslie L., and J. F. Murray, to Thompson Products, Inc. 2,726,604, Cl. 103—5.
- Aspinook Corp., The: *See—*  
 Farnworth, Edwin, and Wood. 2,728,567.
- Asseff, Peter A., T. W. Mastin, and A. Rhodes, to the Lubrizol Corp. 2,723,234, Cl. 252—32.7.
- Asseff, Peter A., T. W. Mastin, and A. Rhodes, to The Lubrizol Corp. 2,723,235, Cl. 252—32.7.
- Asseff, Peter A., T. W. Mastin, and A. Rhodes, to the Lubrizol Corp. 2,723,236, Cl. 252—32.7.
- Asselin, George F.: *See—*  
 Watson, Albert T., Schutze, and Asselin. 2,728,716.
- Asselin, George F., to Esso Research and Engineering Co. 2,703,306, Cl. 196—23.
- Associated Development & Research Corp.: *See—*  
 Lustbader, Samuel. 2,707,292.
- Associated Packaging Co.: *See—*  
 Blatt, David H. 2,719,566.
- Astatic Corp., The: *See—*  
 Chorpene, Creed M. 2,702,354.  
 Dvorsky, Alexander L. 2,702,318.  
 Palo, Maurice, and Kelly. 2,702,317.
- Asti, Jacob F., to Allis-Chalmers Mfg. Co. 2,715,686, Cl. 310—11.
- Astle, Melvin J., and J. B. Pierce, to Olin-Mathieson Chemical Corp. 2,725,383, Cl. 260—306.8.
- Astron Corp.: *See—*  
 Fisher, John H. 2,713,700.
- Atanasoff, John V., to Communications Research, Inc. 2,706,933, Cl. 93—1.
- Atchison, Leonard W., to General Electric Co. 2,724,629, Cl. 312—274.
- Ateliers de Construction Oerlikon: *See—*  
 Pidoux, Robert. 2,721,958.  
 Storsand, Bjarne. 2,713,145.  
 Storsand, Bjarne. 2,726,360.
- Ateliers de Constructions Electriques de Charleroi: *See—*  
 Brasseur, Eudore D. 2,727,098.  
 Ots, Ivan H. 2,715,189.  
 Stroobants, Pierre. 2,709,597.
- Ateliers Neyret-Beylier & Piccard-Pictet: *See—*  
 Ponsar, Yves. 2,699,653.
- Atherton, Albert H., to Electric & Musical Industries Ltd. 2,708,726, Cl. 313—103.
- Atherton, Arden D.: *See—*  
 Russell, Irving H., Swartz, and Atherton. 2,710,621.
- Atherton, Henry F., Jr. 2,717,534, Cl. 89—1.7.
- Athey Products Corp.: *See—*  
 Kling, Robert W. 2,720,417.
- Atkeson, Florian V., and J. S. Golightly, to Pittsburgh Plate Glass Co. 2,725,320, Cl. 154—2.73.
- Atkins, Albert E.: *See—*  
 Burke, Frederick C., and Atkins. 2,723,834.
- Atkins, Arthur A., to Courtaulds Ltd. 2,715,505, Cl. 242—150.
- Atkins, Carl E., to Tung-Sol Electric Inc. 2,722,638, Cl. 317—236.
- Atkins, John S., to Alkaline Batteries Ltd. 2,722,821, Cl. 70—162.
- Atkins, Stanley H. G., to R. E. Eagan Ltd. 2,705,929, Cl. 108—1.
- Atkins, Thomas H. 2,702,909, Cl. 5—75.
- Atkinson, Albert E. 2,714,424, Cl. 166—173.
- Atkinson, Allen S., 1/2 to D. G. Russ. 2,711,073, Cl. 60—39.28.
- Atkinson, Fred M., to Atkinson Milling Co. 2,713,460, Cl. 241—8.
- Atkinson, Guy F., Co.: *See—*  
 Richards, Dwight. 2,703,515.
- Atkinson, Herbert J. 2,711,126, Cl. 98—13.
- Atkinson, Joseph. 2,715,794, Cl. 47—19.
- Atkinson, Lyle A.: *See—*  
 Okulich, George J., Zozulin, and Atkinson. 2,699,283.
- Atkinson Milling Co.: *See—*  
 Atkinson, Fred M. 2,713,460.
- Atkinson, Ralph G.: *See—*  
 Lupfer, George L., and Atkinson. 2,723,758.
- Atkinson, Reid G., to American Can Co. 2,726,008, Cl. 220—77.
- Atkinson, Spencer R., to California Institute Research Foundation. 2,716,283, Cl. 32—14.
- Atkinson, Truman L. 2,703,611, Cl. 160—228.
- Atkinson, Wallace E., to Long Mfg. Co., Inc. 2,720,772, Cl. 70—66.
- Atlanta Paper Co.: *See—*  
 Forrer, Homer W. 2,702,144.  
 Howard, Sam B. 2,728,485.
- Atlantic Carton Corp.: *See—*  
 Whitehead, Earl B. 2,710,687.
- Atlantic Products Corp.: *See—*  
 Kish, Michael, Jr. 2,706,024.
- Atlantic Refining Co., The: *See—*  
 Ciapetta, Frank G., and Hunter. 2,721,226.  
 Clarke, Edgar W. 2,713,035.  
 Clarke, Edgar W. 2,728,457.  
 Clarke, Edgar W., Doan, and Keenan. 2,706,151.  
 Clarke, Edgar W., Schreiber, and Kneeland. 2,713,034.  
 Clifford, Oliver C., Jr. 2,703,144.  
 Francis, Billy G. 2,714,547.  
 Hunter, James B. 2,699,540.  
 Jones, Donald T. 2,726,215.  
 Kieras, Joseph A. 2,726,192.  
 McGrogan, John F. 2,698,834.  
 Ramser, John H. 2,728,218.  
 Reid, John C., Jr., and Bressler. 2,719,853.  
 Rieve, Robert W. 2,713,077.  
 Whorton, Leonidas P., and Brownscombe. 2,724,437.  
 Whorton, Leonidas P., and Brownscombe. 2,724,438.
- Atlas Bolt & Screw Co., The: *See—*  
 Schellentrager, Eugene W. 2,699,732.
- Atlas, David. Re. 24,084, Cl. 343—11.
- Atlas Labelling Machine Corp.: *See—*  
 Weber, Herman G. 2,720,304.



- Atlas Mfg. Co.: *See*—  
Hyams, Herbert B. 2,699,617.
- Atlas Mineral Products Co. of Pennsylvania, The: *See*—  
Seymour, Raymond B., and Pascoe. 2,707,685.  
Seymour, Raymond B., and Steiner. 2,703,299.  
Seymour, Raymond B., and Steiner. 2,718,829.
- Atlas Plywood Corp.: *See*—  
Muller, Robert A. 2,706,063.
- Atlas Powder Co.: *See*—  
Barker, George E. 2,724,699.  
Barker, George E. 2,724,700.  
Brandner, John D. 2,699,400.  
Brandner, John D. 2,715,139.  
Brandner, John D., and Hunter. 2,711,999.  
Fine, Richard D., III. 2,702,796.  
Lew, Baak W. 2,726,177.  
Pence, Frederick R. 2,723,295.  
Smith, Joseph, Jr. 2,727,814.
- Atlas-Werke A. G.: *See*—  
Gunzelmann, Rudolf, Erythropel, and Krüger. 2,724,656.
- Atmorol Corp.: *See*—  
Snively, Harold L. 2,707,487.
- Atomite Co.: *See*—  
Kowenstrot, Howard W., and Wohlrabe. 2,728,649.
- Atteberry, Clark. 2,702,013, Cl. 110—18.
- Atti, Ralph J. 2,721,503, Cl. 90—13.3.
- Attorney General, United States of America as represented by the: *See*—  
English, Joseph M., Jr. 2,712,514.
- Attwood, John G.: *See*—  
Peterson, Albert C., and Attwood. 2,711,146.  
Wallenberg, Ned L., Atwood, and Schoij. 2,704,042.
- Atwater, Leigh R. B., and E. C. Donnelly, Jr., to said Donnelly, Jr. 2,715,264, Cl. 30—6.1.
- Atwater, Verne L., and L. V. Mercer. 2,718,299, Cl. 206—42.
- Atwell, Sherman W. 2,712,608, Cl. 250—60.
- Atwood, John B., to Radio Corp. of America. 2,725,467, Cl. 250—20.
- Atwood & Morrill Co.: *See*—  
Prescott, Norman F. 2,705,609.
- Atwood Vacuum Machine Co.: *See*—  
Johnson, Agnar. 2,707,302.  
Johnson, Agnar. 2,709,275.  
Johnson, Agnar. 2,722,035.
- Aubert, Fred B. 2,721,721, Cl. 251—134.
- Aubry, Lloyd W.,  $\frac{1}{2}$  to Advance Seed Co. 2,726,762, Cl. 209—111.
- Audemar, Pierre, to Societe Olaer Marine. 2,711,113, Cl. 82—14.
- Audemar, Pierre, to Societe Alsacienne de Constructions Mecaniques. 2,711,332, Cl. 286—9.
- Audio Devices, Inc.: *See*—  
Speed, William C., and Dwyer. 2,700,367.  
Speed, William C., and Dwyer. 2,700,952.  
Speed, William C., and Dwyer. 2,700,954.  
Speed, William C., and Dwyer. 2,700,955.  
Speed, William C., and Dwyer. 2,702,251.  
Speed, William C., and Dwyer. 2,702,522.  
Speed, William C., and Dwyer. 2,702,581.  
Speed, William C., and Dwyer. 2,703,066.  
Speed, William C., and Dwyer. 2,714,363.  
Speed, William C., and Dwyer. 2,714,871.
- Audrieth, Ludwig F., to Olin Mathieson Chemical Corp. 2,704,706, Cl. 52—11.
- Audrieth, Ludwig F., and P. R. Kippur, to University of Illinois Foundation. 2,726,263, Cl. 260—552.
- Auer, Betty. 2,699,628, Cl. 45—137.
- Auerbach, Isaac L., and S. B. Disson, to Burroughs Corp. 2,719,228, Cl. 250—27.
- Auerbacher, George N., to Champlain Co., Inc. 2,721,709, Cl. 242—58.
- Auger, Albert L. 2,726,870, Cl. 273—105.2.
- Auger, Harold. 2,717,087, Cl. 214—16.1.
- August, Paul. 2,709,075, Cl. 259—178.
- August, William. 2,708,933, Cl. 128—303.14.
- Augustana Research Foundation: *See*—  
Hill, Edward L., Erickson, and Berntsen. 2,705,224.
- Aulen, Walter E.: *See*—  
Clark, William J., and Aulen. 2,723,717.
- Ault, Isaac L., to Socony-Vacuum Oil Co., Inc. 2,701,375, Cl. 9—8.
- Aumuller, Walter: *See*—  
Ehrhart, Gustav, Ruschig, Stein, and Aumüller. 2,700,039.  
Ehrhart, Gustav, Ruschig, Stein, Aumuller, Oeppinger, and Schörnig. 2,699,439.
- Auran, Albin. 2,703,482, Cl. 66—4.
- Aurbach, Kurt, to Anker-Werke A. G. 2,698,660, Cl. 164—49.
- Aurelius, Kenneth P.: *See*—  
Maidhof, William A., and Aurelius. 2,704,121.
- Aurell, Walter. 2,728,086, Cl. 2—240.
- Auringer, Paul A.: *See*—  
Collis, Dan E., and Auringer. 2,728,460.
- Aurora Equipment Co.: *See*—  
Sitler, Richard W. Re. 24,009.
- Austad, Grover R. 2,722,960, Cl. 150—39.
- Austenal Laboratories, Inc.: *See*—  
Reymann, Edward H., and Borella. 2,716,406.
- Austin, Bascum O., and A. A. Lighty, to Westinghouse Electric Corp. 2,707,264, Cl. 322—25.
- Austin, Benjamin L.: *See*—  
Baker, Reuben C., and Austin. 2,707,998.
- Austin, Benjamin L., to Baker Oil Tools, Inc. 2,703,622, Cl. 166—119.
- Austin, Carroll D., to Edlo, Inc. 2,713,508, Cl. 294—87.2.
- Austin, Charles C., to Viewmailer Co. 2,715,853, Cl. 88—29.
- Austin, Herbert F., Jr., M. Konigsberg, J. M. Morrison, and F. C. Campins, to Jam. 2,716,617, Cl. 117—37.
- Austin, Hugh G.: *See*—  
Badertscher, Clarence S., and Austin. 2,708,493.
- Austin, James M. 2,700,214, Cl. 30—40.
- Austin, James M. 2,718,963, Cl. 206—16.
- Austin, Leonard E., to Illinois Tool Works. 2,728,365, Cl. 144—32.
- Austin, Leslie W., J. T. Elmer, and B. G. Altmann, to The Kaiser Aluminum & Chemical Corp. 2,702,751, Cl. 106—59.
- Austin Motor Co. Ltd., The: *See*—  
Temple, Joseph J. 2,705,483.  
Weaving, John H. 2,713,245.  
Weaving, John H., and Weck. 2,726,307.
- Austin Powder Co.: *See*—  
McClennan, Morton. 2,701,126.  
McClennan, Morton. 2,705,128.
- Austin, Ray I. 2,705,931, Cl. 112—262.
- Austin, Samuel, to J. Rosenthal. 2,725,019, Cl. 107—9.
- Austin, Thomas W. 2,715,990, Cl. 224—28.
- Austin-Western Co.: *See*—  
Antos, Joseph, and Brown. 2,708,280.
- Australian General Electric Proprietary Ltd.: *See*—  
Leard, Eldred R. 2,726,596.
- Auten, Robert W.: *See*—  
Hurwitz, Melvin D., and Auten. 2,728,787.
- Auten, Robert W., and R. S. Yost, to Rohm & Haas Co. 2,699,435, Cl. 260—69.
- Auten, Robert W., and E. M. Hankins, to Rohm & Haas Co. 2,727,015, Cl. 260—72.
- Auth, M. A., Inc.: *See*—  
Auth, Maximilian A. 2,728,823.
- Auth, Maximilian A.,  $\frac{1}{2}$  to M. A. Auth, Inc.,  $\frac{1}{2}$  to M. Haythorne, and  $\frac{1}{2}$  to H. K. Andrews. 2,728,823, Cl. 200—51.09.
- Auto Research Corp.: *See*—  
Thomas, Thomas R. 2,710,670.  
Thomas, Thomas R. 2,710,671.
- Autogiro Co. of America: *See*—  
Pullin, Cyril G., and Shapiro. 2,721,615.  
Shapiro, Jacob S., and Pullin. 2,703,624.
- Automatic Devices Corp.: *See*—  
Cone, Joseph H. 2,727,976.
- Automatic Electric Laboratories, Inc.: *See*—  
Bakker, Pier. 2,713,616.  
Bloomenthal, Sidney. 2,710,930.  
Burgener, Karl L. 2,727,948.  
Cassidy, Thomas F., Jr. 2,701,044.  
Dimmer, Robert P. 2,717,986.  
Dimmer, Robert P. 2,721,988.  
Faulkner, Alfred H. 2,699,467.  
Faulkner, Alfred H. 2,724,553.  
Gallagher, Ray J. 2,703,166.  
Gallagher, Ray J. 2,706,551.  
Gallagher, Ray J. 2,707,724.  
Gallagher, Ray J. 2,717,683.  
Grandstaff, Otho D. Re. 24,096.  
Graybill, Kenneth W., and Sengebusch. 2,710,896.  
Henrikson, Oscar W. 2,722,635.  
Huffman, Robert L. 2,714,427.  
Kahn, Frederick L. 2,716,674.  
Lomax, Clarence E. 2,717,925.  
Lomax, Clarence E. 2,721,898.  
Lomax, Clarence E. 2,724,741.  
McCreary, Harold J. 2,703,388.  
McCreary, Harold J. 2,713,615.  
Mitchell, George W. 2,717,926.  
Mitchell, Len B. 2,708,690.  
Molnar, Imre. 2,698,881.  
Molnar, Imre. 2,708,691.  
Molnar, Imre. 2,709,719.  
Peterson, Edward S. 2,722,566.  
Sands, Roy G. 2,719,934.  
Sargisson, Robert L., and Wood. 2,726,292.  
Sengebusch, Hans. 2,719,943.  
Stehlik, Rudolph F. 2,700,145.  
Stehlik, Rudolph F. 2,713,614.  
Stehlik, Rudolph F. 2,721,901.  
Stiles, Richard C. 2,703,338.  
Wicks, John. 2,704,788.  
Wicks, John. 2,708,692.
- Automatic Glassware Machinery Co., Ltd., dite: S. I. E. M. A. V. Tanger: *See*—  
Gerbaud, Lucien J. 2,704,418.
- Automatic Poultry Feeder Co.: *See*—  
Smallegan, Marvin L. 2,703,098.  
Smallegan, Marvin L. 2,703,099.  
Smallegan, Marvin L. 2,711,240.
- Automatic Pump & Softener Corp.: *See*—  
Whitlock, Robert A., Jr. 2,714,897.  
Whitlock, Robert A., Jr. 2,715,098.  
Whitlock, Robert A., Jr. 2,716,422.  
Whitlock, Robert A., Jr. 2,720,845.
- "Automatic" Sprinkler Corp. of America: *See*—  
Muckenfuss, Charles. 2,713,916.  
Rider, Harry N. 2,724,444.  
Rider, Harry N. 2,724,614.
- Automatic Steel Products, Inc.: *See*—  
Wickwire, Arthur M., and Killian. 2,702,597.
- Automatic Telephone & Electric Co. Ltd.: *See*—  
Davison, Alan, and Pearce. 2,706,751.  
Davison, Alan, and Threadgold. 2,722,567.



- Automatic Temperature Control Co., Inc.: *See*—  
Cross, Charles. 2,722,641.  
Macgeorge, William D. 2,722,198.  
Macgeorge, William D., and Brown. 2,722,234.
- Automatic Transmissions Ltd.: *See*—  
Clough, Robert E. 2,719,621.
- Automatic Washer Co.: *See*—  
Emmert, Clayton F., and Stouder. 2,700,473.
- Automotive & Marine Products Corp.: *See*—  
Harvey, Draper M. 2,721,545.
- Automotive Products Co. Ltd.: *See*—  
Bradbury, Frederick J. 2,720,295.  
Bradbury, Frederick J., and Mott. 2,713,850.
- Automotive Spring Co.: *See*—  
Redmond, Robert L., and Heuer. 2,703,428.
- Auto-Soler Co., The: *See*—  
Wright, John G., Chafin, Sudan, Watkins, and Hanson. 2,698,681.
- Auto Specialties Mfg. Co.: *See*—  
Rhoads, Millard A., Unruh, and Graber. 2,702,988.
- Autoyre Co., The: *See*—  
Sanford, Roy S., Simpson, and Casler. 2,725,148.
- Autry, James M.: *See*—  
Parrish, Walter L., and Autry. 2,724,296.
- Autunovich, Emil F.: *See*—  
Charles, William G. 2,710,926.
- Auwärter, Max, to A. Vogt. 2,699,093, Cl. 88—41.
- Auwarter, Max. 2,712,097, Cl. 315—111.
- Auwärter, Max, to A. Vogt. 2,715,667, Cl. 201—63.
- Auwärter, Max, to Alois Vogt. 2,719,097, Cl. 117—107.
- Auzin, John M. 2,701,934, Cl. 46—135.
- Avco Mfg. Corp.: *See*—  
Adams, Robert R. 2,707,942.  
Ajero, Fortunato S. 2,713,836.  
Allen, Richard H. 2,726,914.  
Baylor, Arthur D. 2,713,652.  
Bussard, Emmerly J. H. 2,711,477.  
Crawford, Ruby J. 2,704,320.  
Davidson, Lloyd H. 2,710,011.  
Duggan, Francis F., Burke, and Davidson. 2,708,147.  
Gindele, Quentin J. 2,700,078.  
Gunyou, Lyman J. 2,725,701.  
Hill, George B. 2,711,063.  
Himes, Harold D. 2,722,599.  
Jansen, Robert A. 2,718,765.  
Jones, John P. 2,712,229.  
Juzwiak, Edmond A. 2,710,116.  
Juzwiak, Edmond A. 2,715,482.  
Lines, Carl H. 2,710,615.  
Nave, Alfred E. 2,704,237.  
Peterson, Merle H. 2,725,707.  
Rickenbach, August W. 2,711,161.  
Schwarz, Hans G. 2,712,092.  
Stacy, Robert A. 2,702,348.  
Teetor, Thomas S. 2,712,093.  
Tice, Bruce K. 2,726,598.  
Tice, Bruce K., and Luthman. 2,720,160.  
Tice, Bruce K., and Luthman. 2,722,096.  
Vutz, Wilhelm, and Peterson. 2,704,670.
- Aveli, Philip A. 2,723,670, Cl. 132—1.
- Averett, Harold J., 50% to P. T. McDonough. 2,708,950, Cl. 138—96.
- Averill, Charles C., to Union Steel Products Co. 2,705,604, Cl. 248—120.
- Averill, Charles C., to Union Steel Products Co. 2,721,671, Cl. 220—19.
- Averill, Charles C., and R. C. Hobson, to Union Steel Products Co. 2,700,522, Cl. 248—120.
- Averill, Harold P., R. W. Peakes, F. C. Whitney, and H. A. Scruton, to the United States of America, in trust as represented by the Secretary of War. 2,719,794, Cl. 106—229.
- Aversa, Joseph. 2,722,913, Cl. 120—18.
- Aversa, Joseph. 2,722,914, Cl. 120—42.03.
- Aversten, Karl J., to Svenska Aktiebolaget Gasaccumulator. 2,711,798, Cl. 287—20.2.
- Aversten, Karl J., to Svenska Aktiebolaget Gasaccumulator. 2,711,915, Cl. 287—20.2.
- Aversten, Karl J., to Svenska Aktiebolaget Gasaccumulator. 2,712,049, Cl. 219—4.
- Avery, Floyd N. 2,717,824, Cl. 8—142.
- Avery, Fred J., to Materials Transportation Co. 2,699,878, Cl. 214—514.
- Avery, Fred J. 2,711,838, Cl. 214—314.
- Avery-Hardoll Ltd.: *See*—  
Fraser, John. 2,704,619.
- Avery, Harold T., to Marchant Calculators, Inc. 2,710,141, Cl. 235—63.
- Avery, Howard S., to American Brake Shoe Co. 2,704,240, Cl. 23—140.
- Avery, Howard W., to General Electric Co. 2,709,421, Cl. 121—41.
- Avery, Robert C., to Bell Telephone Laboratories, Inc. 2,715,996, Cl. 235—61.
- Avery, Robert C., to Bell Telephone Laboratories, Inc. 2,721,903, Cl. 179—18.
- Avery, Robert C., to Bell Telephone Laboratories, Inc. 2,721,910, Cl. 179—175.2.
- Avey Drilling Machine Co., The: *See*—  
Grimes, Harlan E. 2,709,932.
- Aviation Developments Ltd.: *See*—  
Springate, Maurice S. 2,706,039.
- Aviation Engineering Division, Avien-Knickerbocker, Inc.: *See*—  
Snyder, Ellery P. 2,700,088.
- Avien-Knickerbocker, Inc.: *See*—  
Ruderfer, Martin. 2,714,703.
- Avins, Jack, to Radio Corp. of America. 2,717,920, Cl. 178—7.5.
- Avins, Jack, and M. Kronenberg, to Radio Corp. of America. 2,712,568, Cl. 178—5.4.
- Avondoglio, Leo: *See*—  
Woolf, Don R., Wurster, and Avondoglio. 2,718,267.
- Avoset Co.: *See*—  
Twieg, George W., and Poarch. 2,701,767.
- Axe, William N., to Phillips Petroleum Co. 2,716,113, Cl. 260—96.5.
- Axe, William N., to Phillips Petroleum Co. 2,723,220, Cl. 196—19.
- Axe, William N., and W. B. Whitney, to Phillips Petroleum Co. 2,702,819, Cl. 260—501.
- Axelrad, Irving R., to Westinghouse Electric Corp. 2,714,226, Cl. 18—30.
- Axelsson, Eskil A. A. 2,723,880, Cl. 299—86.
- Axelsson, Johan A., to Aktiebolaget Fr. Ramström. 2,721,744, Cl. 279—58.
- Axler, Samuel E. 2,721,330, Cl. 2—237.
- Axtell, Willard G., to Shwayder Bros., Inc. 2,721,835, Cl. 204—38.
- Axton, Benjamin J., Jr., to A. G. Spalding & Bros. Inc. 2,700,410, Cl. 154—16.
- Axton, Benjamin J., Jr., to A. G. Spalding & Bros. Inc. 2,700,545, Cl. 273—65.
- Axworthy, Charles G., to Union Wadding Co. 2,716,026, Cl. 271—2.6.
- Aycock, Benjamin F.: *See*—  
Melamed, Sidney, and Aycock. 2,727,020.
- Aydlett, Guy D., to Eastman Kodak Co. 2,713,486, Cl. 271—42.
- Ayers, Forest G.: *See*—  
Lahti, Anard A. 2,726,593.
- Ayers, George W., and W. A. Krewer, to The Pure Oil Co. 2,716,085, Cl. 196—149.
- Ayers, James B. 2,713,496, Cl. 280—87.01.
- Ayle, William M. 2,726,728, Cl. 180—82.1.
- Ayling, Robert W., to Carrier Corp. 2,710,509, Cl. 62—140.
- Aylmer, Robert G.: *See*—  
Candlin, James E., Jr., Norby, Aylmer, and Peterson. 2,700,507.
- Ayre, James H., and A. J. Farrar, to Republic Steel Corp. 2,728,544, Cl. 248—120.
- Ayres, Arthur D. 2,706,867, Cl. 43—42.09.
- Ayres, Harlow V. 2,716,525, Cl. 236—20.
- Ayres, Waldemar A., to White Sewing Machine Corp. 2,699,745, Cl. 112—218.
- Ayres, Waldemar A., to White Sewing Machine Corp. 2,706,459, Cl. 112—226.
- Ayres, Waldemar A., to White Sewing Machine Corp. 2,708,892, Cl. 112—184.
- Ayres, Waldemar A., to White Sewing Machine Corp. 2,724,974, Cl. 74—229.
- Ayres, Waldemar A., to White Sewing Machine Corp. 2,725,023, Cl. 112—210.
- Ayres, Waldemar A., to White Sewing Machine Corp. 2,725,024, Cl. 112—218.
- Ayres, Waldemar A., to White Sewing Machine Corp. 2,728,315, Cl. 112—231.
- Ayres, William R., to Radio Corp. of America. 2,716,189, Cl. 250—27.
- Ayr-Mor Machinery Co., Inc.: *See*—  
Jorgenson, John P. 2,718,134.
- Azbill, Andrew J., to Shok-Pruf Manufacturers and Distributing Co. 2,714,181, Cl. 317—2.
- Azoplate Corp.: *See*—  
Neugebauer, Wilhelm, Barthenheier, and Rebenstock. 2,702,242.
- Schmidt, Maximilian P. 2,702,243.
- B. B. Chemical Co.: *See*—  
Hall, Alan M., and Walton. 2,723,207.  
Morris, Thomas C., and Chandler. 2,700,625.  
Morris, Thomas C., and Chaplick. 2,723,934.  
Paulsen, Hans C. 2,700,260.  
Paulsen, Hans C. 2,726,629.  
Seymour, Malcom. 2,725,325.
- B. & G. Magic Chair Co.: *See*—  
Bierman, Jacob. 2,703,137.
- B. & G. Mfg. Co.: *See*—  
Keebler, Paul T. 2,709,489.
- B-I-F Industries, Inc.: *See*—  
Coffman, Paul A., Jr. 2,720,698.  
Thoresen, John C. 2,700,307.
- B&L Mfg. Co.: *See*—  
Linscheid, Arthur A. 2,716,319.
- B. V. C. Electronic Developments Ltd.: *See*—  
Briggs, George. 2,709,239.
- Baader, Rudolf, deceased; R. Fahrig, executor, to Nordischer Maschinenbau Rudolf Baader. 2,704,377, Cl. 17—4.
- Baas, Erwin. 2,710,598, Cl. 121—46.
- Babaiian, Mesrop K., to Centric Clutch Co. 2,713,406, Cl. 192—56.
- Babb, Jonah S.: *See*—  
Haskins, Lonnie W. 2,705,593.
- Babbitt, Charles A., to Cal-Metal Corp. 2,700,408, Cl. 153—49.
- Babbitt, Raymond J. 2,720,176, Cl. 107—47.
- Babbs, Cyrus H., to Pye Ltd. 2,724,738, Cl. 178—7.1.
- Babcock, Dean F., to Collins Radio Co. 2,709,243, Cl. 333—71.
- Babcock, George W. and W. S. 2,726,115, Cl. 298—23.



- Babcock, Gordon M., and F. B. Rethwisch, to Reynolds Metals Co. 2,701,772, Cl. 106—14.
- Babcock, Joel R., and I. F. Cadman, to Westinghouse Air Brake Co. 2,721,932, Cl. 246—26.
- Babcock, Lloyd L., and M. L. Thorpe. 2,704,037, Cl. 104—98.
- Babcock, Pearl D., to The George P. Clark Co. 2,706,643, Cl. 280—47,37.
- Babcock, Richard E., Jr., to The New Holland Machine Division of the Sperry Corp. 2,714,968, Cl. 214—82.
- Babcock, Wallace C., to Bell Telephone Laboratories, Inc. 2,706,779, Cl. 250—33,53.
- Babcock, Wilber S.: *See—*
- Babcock, George W. and W. S. 2,726,115.
- Babcock & Wilcox Co., The: *See—*
- Andrews, James D., Jr. 2,714,877.
- Beute, George W., and Fink. 2,723,650.
- Carson, Henry L. 2,700,895.
- Evans, Richard H. and S. J. 2,716,021.
- Evans, Sidney O., and Harter. 2,709,284.
- Freundberg, Arthur M. 2,702,726.
- Godshalk, Russell L. 2,703,559.
- Godshalk, Russell L., and Shoessow. 2,700,375.
- Hage, William T. 2,709,233.
- Hardgrove, Ralph M. 2,705,476.
- Hardgrove, Ralph M. 2,713,853.
- Heller, Lewis W. 2,715,546.
- Jones, Maurice F., Harter, and Ratcliffe. 2,711,436.
- Koch, Paul H. 2,699,762.
- Langvand, Ivar L., Schoessow, and Brooks. 2,698,610.
- Raynor, Forrest G. 2,715,451.
- Richter-Glier, Adolf. 2,725,834.
- Rowand, Will H., and Loughin. 2,699,041.
- Savoie, Charles U. 2,715,835.
- Schoessow, Glen J. 2,704,999.
- Schoessow, Glen J., Carpenter, and Qvarfordt. 2,705,574.
- Sifrin, Andreas. 2,709,424.
- Sifrin, Andreas. 2,717,563.
- Stillman, Thomas B. 2,702,590.
- Walker, James B. 2,710,148.
- Webb, Thomas B. 2,710,443.
- Babcock & Wilcox Ltd.: *See—*
- Archer, William G. 2,717,814.
- Ratzer, John H. 2,707,047.
- Babcock, William P. 2,719,013, Cl. 242—72.
- Babee-Tenda License Corp., The: *See—*
- Puls, Alfred E., and Swenson. 2,702,222.
- Bablarz, Raymond S., and W. P. Hall, deceased (by A. D. Hall, executrix), to Joseph Bancroft & Sons Co. 2,709,638, Cl. 8—129.
- Babson, Bros. Co.: *See—*
- Tanner, George E. 2,718,208.
- Thomas, Chester A. 2,706,965.
- Thomas, Chester A. 2,709,416.
- Bacchi, Ray, to The Pelton Water Wheel Co. 2,702,025, Cl. 121—166.
- Bacchi, Ray, to The Pelton Water Wheel Co. 2,706,996, Cl. 137—219.
- Bacchi, Ray, to The Pelton Water Wheel Co. 2,728,193, Cl. 60—51.
- Bacchieri, Albert J.: *See—*
- Pennock, John C., and Bacchieri. 2,711,485.
- Bach, Johan M. M. 2,728,158, Cl. 41—26.
- Bach, John R.: *See—*
- Mueller, Leonard J., and Bach. 2,698,469.
- Bach, John W.: *See—*
- Rouan, Francis J., and Bach. 2,706,115.
- Bachelder, Albert J., W. J. McCune, Jr., and O. E. Wolff, to Polaroid Corp. 2,709,223, Cl. 250—68.
- Bachelet, Albert E., to Bell Telephone Laboratories, Inc. 2,700,146, Cl. 340—147.
- Bachelet, Albert E., and G. A. Pullis, to Bell Telephone Laboratories, Inc. 2,719,960, Cl. 340—163.
- Bacher, Eric, to Paillard S. A. 2,715,027, Cl. 274—10.
- Bachert, Arthur. 2,702,006, Cl. 103—150.
- Bachle, Carl F., to Continental Aviation and Engineering Corp. 2,701,442, Cl. 60—35,6.
- Bachle, Carl F., to Continental Aviation and Engineering Corp. 2,717,591, Cl. 126—110.
- Bachman, Fred E., A. F. Seelig, Jr., and M. K. Coskun, to American Steel Foundries. 2,726,096, Cl. 280—96,2.
- Bachman, Skuli M. 2,719,526, Cl. 131—247.
- Bachman, William S., to Columbia Broadcasting System, Inc. 2,716,551, Cl. 274—24.
- Bachmann Bros. Inc.: *See—*
- McNeill, Albert G. 2,723,745.
- Bachmann, Emil: *See—*
- Wildbolz, Rudolf, and Bachmann. 2,713,701.
- Bachrach, Irving W., to Cooler King Inc. 2,725,923, Cl. 155—114.
- Back, Frank G. 2,707,423, Cl. 95—42.
- Back, Frank G., and H. Lowen; said Lowen assignor to said Back. 2,701,983, Cl. 88—57.
- Back, Frank G., and H. Lowen. 2,718,817, Cl. 88—57.
- Backer, Joachim, to Aero Zipp Fasteners Ltd. 2,721,837, Cl. 204—58.
- Backhouse, Headley T. 2,712,936, Cl. 271—59.
- Backhouse, Headley T. 2,717,399, Cl. 9—21.
- Backhouse, Headley T. 2,722,416, Cl. 271—26.
- Backhouse, Headley T. 2,726,865, Cl. 271—60.
- Backman, Hans F. 2,708,006, Cl. 181—55.
- Backman, William O., and D. M. Redmon. 2,708,563, Cl. 251—215.
- Backus, Alfred S., to Mycalex Corp. of America. 2,707,731, Cl. 200—37.
- Backus, John G., to the United States of America as represented by the United States Atomic Energy Commission. 2,725,477, Cl. 250—41,9.
- Backus, John G., and B. Peters, to the United States of America as represented by the United States Atomic Energy Commission. 2,715,683, Cl. 250—41,9.
- Bacon, Benjamin E., to Bacon & Edwards. 2,718,721, Cl. 41—1.
- Bacon, Bernard R., to General Electric Co. 2,712,102, Cl. 317—234.
- Bacon, Clare E.: *See—*
- De Ganahl, Carl, Grant, and Bacon. 2,714,414.
- Bacon, Clare E., R. V. Stotler, and R. W. Meyer, to Owens-Corning Fiberglas Corp. 2,702,261, Cl. 154—101.
- Bacon & Edwards: *See—*
- Bacon, Benjamin E. 2,718,721.
- Bacon, Ernest N.,  $\frac{1}{2}$  to H. W. Richter and  $\frac{1}{2}$  to H. R. Gillette. 2,708,773, Cl. 18—58.
- Bacon, Francis T., to E. R. A. Patents Ltd. 2,716,670, Cl. 136—86.
- Bacon, Raymond F.: *See—*
- Hirsch, Marx, Bacon, and Lucas. 2,722,471.
- Bacot, James L. 2,725,043, Cl. 123—41,4.
- Badalich, Frank C., to Bell & Howell Co. 2,724,989, Cl. 88—28.
- Badders, Joseph H., Sr. 2,727,414, Cl. 77—57.
- Baddiley, James, and E. M. Thain, to National Research Development Corp. 2,716,130, Cl. 260—461.
- Bade, Alfred G., to The Falk Corp. 2,700,311, Cl. 74—674.
- Badeau, Carroll A., to The Thomas & Betts Co. 2,701,273, Cl. 174—138.
- Badeau, Carroll A., to The Thomas & Betts Co. 2,721,986, Cl. 339—217.
- Bader, Gerald L., to Nordberg Mfg. Co. 2,704,035, Cl. 103—41.
- Bader, William, to Wesson Multicut Co. 2,716,799, Cl. 29—96.
- Bader, William, to Wesson Multicut Co. 2,716,800, Cl. 29—96.
- Badertscher, Clarence S., and H. G. Austin, to Thomas Mold & Die Co. 2,708,493, Cl. 189—26.
- Badger, Algernon S.: *See—*
- Seljos, Arthur L., and Badger. 2,703,008.
- Badger, Everett H., Jr.: *See—*
- Overbeke, John W., and Badger. 2,703,096.
- Badger, Everett H., Jr., to The Parker Appliance Co. 2,712,828, Cl. 137—414.
- Badger, Everett H., Jr., C. P. Dahl, and J. W. Overbeke, to The Parker Appliance Co. 2,716,999, Cl. 137—235.
- Badhorn, Walter R. 2,717,629, Cl. 155—1.
- Badische Anilin- & Soda-Fabrik Aktiengesellschaft: *See—*
- Bartholomé, Ernst, Lehrer, and Lorenz. 2,719,601.
- Becke, Friedrich, and Flieg. 2,719,160.
- Braun, Willy, and Treuge. 2,716,652.
- Craemer, Karl, and Hoelscher. 2,719,831.
- Craemer, Karl, and Hoelscher. 2,719,832.
- Daumiller, Guenther. 2,713,043.
- Ebel, Friedrich, and Randebröck. 2,717,898.
- Ebel, Friedrich, and Rupp. 2,715,131.
- Federkiel, Wilhelm, Pfitzner, and Baumann. 2,726,920.
- Hopff, Heinrich, and Maier. 2,701,254.
- Hrubesch, Adolf, and Schlichting. 2,711,991.
- Jacqué, Heinrich. 2,709,148.
- Jakob, Lothar. 2,706,717.
- Jockers, Kurt, and Wintersberger. 2,719,778.
- Johannsen, Adolf, Danz, Fees, and Kammerer. 2,699,375.
- Keller, Rudolf, Keyssner, and Pfaff. 2,702,300.
- Kosbahn, Thomas, and Lehrer. 2,719,184.
- Koudela, Gerhard, and Wintersberger. 2,719,076.
- Michelitsch, Walter, and Geisel. 2,712,557.
- Mueller, Eugen. 2,700,660.
- Nebe, Erich, and Boehm. 2,719,172.
- Nonnenmacher, Helmut, Oettinger, and Reitz. 2,709,151.
- Nonnenmacher, Helmut, and von Fuener. 2,705,733.
- Oettinger, Willi, Nonnenmacher, von Fuener, and Reitz. 2,706,705.
- Pfitzner, Helmut, and Kaufmann. 2,708,193.
- Reitz, Ortwin, and von Fuener. 2,706,209.
- Reppe, Walter. 2,702,304.
- Reppe, Walter. 2,716,666.
- Reppe, Walter, and Friederich. 2,727,902.
- Reppe, Walter, and Seefelder. 2,719,159.
- Sachsse, Hans, Kosbahn, and Lehrer. 2,715,648.
- Schaefer, Friedrich, and Mayer. 2,711,841.
- Schlecht, Leo, and Ackermann. 2,700,062.
- Schlecht, Leo and H., and Staeger. 2,719,077.
- Schlecht, Leo, and Oestreicher. 2,699,458.
- Trieschmann, Hans-Georg, Ender, Reuter, and Froese. 2,711,997.
- Von Fuener, Wilhelm, Oettinger, Nonnenmacher, and Reitz. 2,708,180.
- Von Schieck, Otto. 2,712,032.
- Von Schieck, Otto, and Riedl. 2,702,301.
- Wintersberger, Karl, and Rommel. 2,706,709.
- Badlam, Stephen, to Blaw-Knox Co. 2,712,250, Cl. 80—16.
- Badler, Allen A. 2,714,768, Cl. 36—1.
- Badovinac, Peter. 2,703,466, Cl. 43—19.
- Badt, Roy A.: *See—*
- Short, Robert J., and Badt. 2,726,743.
- Baebel, Arthur K. 2,718,021, Cl. 15—102.
- Baehle, Walter A., to The J. H. Day Co., Inc. 2,703,668, Cl. 226—2.
- Baeder, Donald L.: *See—*
- Matheson, George L., May, and Baeder. 2,708,516.



- Baehr, Carl G., to The Greist Mfg. Co. 2,717,565, Cl. 112—77.  
 Baehr, Robert N., and C. L. Valent. 2,702,549, Cl. 128—278.  
 Baensch, Walter, to H. C. Gollmer. 2,710,371, Cl. 318—139.  
 Baenziger, Leonard N.: *See—*  
   Alperin, Max, and Baenziger. 2,726,322.  
 Baer, Albert M., to Imperial Knife Co., Inc. 2,724,179, Cl. 30—123.  
 Baer, Josef, to Bucyrus-Erie Co. 2,707,343, Cl. 37—142.  
 Baer, Massimo: *See—*  
   Buchdahl, Rolf, and Baer. 2,707,709.  
 Baer, Ralph H., to Transatron, Inc. 2,711,513, Cl. 332—64.  
 Baerenrodt, Eugene F.: *See—*  
   Olson, Frank W., and Baerenrodt. Re. 24,095.  
 Baerenrodt, Eugene F., to Worthington Corp. 2,708,127, Cl. 286—34.  
 Baerwald, Hans G., to Clevite Corp. 2,719,928, Cl. 310—8.1.  
 Baetzing, Herman. 2,700,492, Cl. 224—26.  
 Baeyaert, Alfred E. M., to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain Chauny & Cirey. 2,715,117, Cl. 260—92.8.  
 Bagby, Ralph B., to Triangle Package Machinery Co. 2,727,657, Cl. 222—368.  
 Baget, Jean: *See—*  
   Gailliot, Paul, and Baget. 2,707,188.  
 Baggenstoss, Alois C.: *See—*  
   Stanley, Lester N., and Baggenstoss. 2,707,181.  
 Baggett, Claude, Jr., and J. H. Brown, Jr., to The Dow Chemical Co. 2,708,676, Cl. 260—485.  
 Baggett, Joseph M.: *See—*  
   Pruitt, Malcolm E., and Baggett. 2,706,181.  
   Pruitt, Malcolm E., and Baggett. 2,706,189.  
   Pruitt, Malcolm E., Baggett, Bloomfield, and Templeton. 2,706,182.  
 Baggs, Burton D., Jr.: *See—*  
   Smith, Alexander, and Baggs. 2,712,211.  
 Bagley, Robert E.: *See—*  
   Podolak, Walter F., and Bagley. 2,703,425.  
 Bagnato, Vito. 2,713,168, Cl. 2—93.  
 Bagnell, Edgar W., to Johnston Testers, Inc. Re. 24,098, Cl. 166—214.  
 Bagnell, Edgar W., to Johnston Testers, Inc. 2,710,171, Cl. 255—27.  
 Bagnell, Edgar W., to Johnston Testers, Inc. 2,713,911, Cl. 166—152.  
 Bagshaw, Charles M., and L. Ruddock, to United Shoe Machinery Corp. 2,700,932, Cl. 101—301.  
 Bahan, Edward F. 2,704,559, Cl. 139—89.  
 Bahler, Adrian A. 2,719,453, Cl. 86—23.  
 Bahlsen, Werner: *See—*  
   Kovac, Ferdinand. 2,720,338.  
 Bahnsen, Jane: *See—*  
   Bahnsen, Monroe J., Goda, and McIntyre. 2,702,757.  
 Bahnsen, Monroe J., deceased (by J. Bahnsen, executrix), E. H. Goda, and G. H. McIntyre, to Ferro Corp. 2,702,757, Cl. 106—312.  
 Baier, Walter, and R. von Linde, to Wilhelm Baier K. G. 2,726,042, Cl. 237—12.3.  
 Baier, Wilhelm, K. G.: *See—*  
   Baier, Walter, and von Linde. 2,726,042.  
 Baierlein, John. 2,723,523, Cl. 56—249.  
 Bailey, Albert H. and L. F. Chaffee, to The Whitney Chain Co. 2,705,852, Cl. 51—5.  
 Bailey, Alonzo W. 2,710,430, Cl. 20—4.  
 Bailey, Alonzo W. 2,723,730, Cl. 189—34.  
 Bailey, Alton E., to National Cylinder Gas Co. 2,717,202, Cl. 23—283.  
 Bailey, Bradford E. 2,699,045, Cl. 62—172.  
 Bailey, Donald L., to Union Carbide and Carbon Corp. 2,723,983, Cl. 260—448.2.  
 Bailey, Donald L., to Union Carbide and Carbon Corp. 2,723,984, Cl. 260—448.2.  
 Bailey, Donald L., to Union Carbide and Carbon Corp. 2,723,985, Cl. 260—448.2.  
 Bailey, Edwin M., Jr., to the United States of America as represented by the Secretary of the Navy. 2,705,305, Cl. 333—10.  
 Bailey, Edwin M., Jr., to American Cyanamid Co. 2,711,728, Cl. 128—2.05.  
 Bailey, Francis T., and F. D. Snyder, to Westinghouse Electric Corp. 2,725,508, Cl. 318—6.  
 Bailey, George B., to The Hays Corp. 2,699,069, Cl. 73—398.  
 Bailey, George K.: *See—*  
   Holroyd, Eric, and Bailey. 2,719,991.  
 Bailey, George S., Hat Co.: *See—*  
   Young, Philip E. 2,725,571.  
 Bailey, Gertrude A.: *See—*  
   Emerson, George B. 2,701,138.  
 Bailey, Herman P., and T. E. Smith, Jr. 2,707,497, Cl. 139—337.  
 Bailey, Lazard L. 2,728,562, Cl. 259—72.  
 Bailey Meter Co.: *See—*  
   Alexander, Frank M., and Hornfeck. 2,708,730.  
   Dickey, Paul S. 2,702,591.  
   Dickey, Paul S. 2,728,833.  
   Dueringer, Walter E. 2,728,039.  
   Hoffman, Howard T. 2,728,832.  
   Hornfeck, Anthony J. 2,718,144.  
   Hornfeck, Anthony J. 2,724,082.  
   Lewis, Henry P. 2,705,017.  
 Bailey, Paul C.: *See—*  
   Van Deventer, Harry R., Shively, and Bailey. 2,713,088.  
   Van Deventer, Harry R., Shively, and Bailey. 2,724,015.  
 Bailey, Ralph K., to The Buckeye Incubator Co. 2,704,531, Cl. 119—1.  
 Bailey, Robert A. 2,713,494, Cl. 280—36.  
 Bailey, Robert S.: *See—*  
   Loane, Leland H., and Bailey. 2,700,466.  
 Bailey, Roy W., J. T. Faull, and E. Gill, to Detroit Power Screwdriver Co. 2,699,868, Cl. 209—72.  
 Bailey, Roy W., and J. T. Faull, to Detroit Power Screwdriver Co. 2,707,039, Cl. 192—56.  
 Bailey, Roy W., and J. T. Faull, to Detroit Power Screwdriver Co. 2,709,370, Cl. 74—116.  
 Bailey, Sidney, Jr. 2,716,585, Cl. 8—14.  
 Bailey, Thelma. 2,727,247, Cl. 2—323.  
 Bailey, Thomas W., to Corning Glass Works. 2,710,194, Cl. 279—06.  
 Bailey, Vernon M. 2,711,609, Cl. 43—35.  
 Bailey, Valter,  $\frac{1}{2}$  to E. A. Camp, and  $\frac{1}{3}$  to H. J. Dorr. 2,726,818, Cl. 242—7.  
 Bailey, William A. 2,724,469, Cl. 192—3.  
 Baillargen, Laurier: *See—*  
   Oestrie, Frank D., and Baillargeon. 2,713,256.  
 Bailly, Randolph M.: *See—*  
   Perr, Stephen F., Zoeller, and Bailly. 2,723,942.  
 Bailly, Florent H. 2,703,977, Cl. 73—38.  
 Baim, Benjamin. 2,708,768, Cl. 17—1.  
 Bain, Charles K. 2,720,327, Cl. 214—656.  
 Bain, George W., Jr., and E. O. Johnson, to Radio Corp. of America. 2,704,821, Cl. 321—18.  
 Bain, James, Jr., and G. E. Ott, Jr., to General Electric Co. 2,703,649, Cl. 158—116.  
 Baines, Frederick, to The Plessey Co. Ltd. 2,726,680, Cl. 137—61.  
 Bair, Willard E.: *See—*  
   Kussrow, Bert K., and Bair. 2,712,897.  
 Baird Associates: *See—*  
   Billings, Bruce H. 2,713,025.  
 Baird, Donald R., to Radio Corp. of America. 2,704,340, Cl. 317—235.  
 Baird, Douglas O., to General Electric Co. 2,721,926, Cl. 219—20.  
 Baird, Leslie L., to General Electric Co. 2,723,329, Cl. 200—172.  
 Baird Machine Co., The: *See—*  
   Lewis Arthur J., 3rd. 2,726,083.  
 Baird, Raymond C.: *See—*  
   Yates, Cecil F., Baird, and Sollars. 2,715,331.  
 Baird, Raymond C., to The Fluor Corp., Ltd. 2,714,048, Cl. 346—74.  
 Baird, Ronald J., to The National Sugar Refining Co. 2,702,249, Cl. 106—126.  
 Baizer, Manuel M., to The New York Quinine and Chemical Works, Inc. 2,728,773, Cl. 260—295.  
 Bajema, Arne, to N. V. "Ahex." 2,712,298, Cl. 119—14.02.  
 Bakeman, Delbert C., and J. E. Richardson, to Hughes Aircraft Co. 2,701,858, Cl. 321—16.  
 Baker, Albert F.: *See—*  
   Marple, Rollo, and Baker. 2,727,774.  
 Baker, Arthur K. 2,709,954, Cl. 98—36.  
 Baker, Arthur W., and G. G. Porter, to The J. H. Mayhew Co. 2,699,938, Cl. 271—44.  
 Baker, Arvil H., to Pittsburgh Corning Corp. 2,725,680, Cl. 49—47.  
 Baker, Bernard R., and F. J. McEvoy, to American Cyanamid Co. 2,701,798, Cl. 260—294.7.  
 Baker, Bernard R., and R. E. Schaub, to American Cyanamid Co. 2,705,715, Cl. 260—252.  
 Baker, Bulord M., to Engineering Laboratories, Inc. 2,711,649, Cl. 73—155.  
 Baker, Charles O., to Socony Mobil Oil Co., Inc. 2,709,496, Cl. 183—4.1.  
 Baker & Co., Inc.: *See—*  
   Cohn, Johan G. 2,708,252.  
   Cohn, Johan G. 2,708,253.  
   Lincoln, Arnold J. 2,701,292.  
   Rosenblatt, Edgar F., and Cohn. 2,719,797.  
 Baker, David B.: *See—*  
   Bechman, William O., Land, Baker, and Henning. 2,716,907.  
 Baker, Donald S.: *See—*  
   Blackhall, James M., Baker, and Dahlman. 2,717,278.  
 Baker, Edmond L.,  $\frac{1}{2}$  to R. C. Hall, and  $\frac{1}{2}$  to R. A. Glasgow. 2,721,076, Cl. 271—2.3.  
 Baker, Edward B., to The Dow Chemical Co. 2,716,190, Cl. 250—33.63.  
 Baker, George W.: *See—*  
   Nelsson, Nels, and Baker. 2,721,471.  
 Baker, George W. 2,705,311, Cl. 339—145.  
 Baker, Harold E., and J. H. Brooks, to Sylvania Electric Products Inc. 2,721,422, Cl. 49—2.  
 Baker, Harold T., and R. N. Watts, to Esso Research and Engineering Co. 2,718,505, Cl. 252—421.  
 Baker, Harriett V.: *See—*  
   Baker, Herbert K. 2,706,912.  
 Baker, Herbert K., 24% to H. V. Baker and 24% to H. K. Baker, Jr. 2,706,912, Cl. 74—58.  
 Baker, Herbert K., Jr.: *See—*  
   Baker, Herbert K. 2,706,912.  
 Baker, Herbert N. 2,726,089, Cl. 275—8.  
 Baker, Howard L. 2,707,327, Cl. 30—73.  
 Baker, Jacob G. 2,725,626, Cl. 30—40.  
 Baker, James J., to Marfisa Baker, Inc. 2,701,602, Cl. 155—44.  
 Baker, John H., to General Electric Co. 2,699,646, Cl. 60—35.6.  
 Baker, John H., to American Brake Shoe Co. 2,716,526, Cl. 241—197.



- Baker, John H., and W. E. Reed, to Solar Aircraft Co. 2,726,507, Cl. 60—35.6.
- Baker, John M., and A. J. Weber. 2,708,802, Cl. 40—11.
- Baker, John R., to Baker Oil Tools, Inc. 2,717,648, Cl. 166—225.
- Baker, John R., to Baker Oil Tools, Inc. 2,724,443, Cl. 166—225.
- Baker, John S.: *See*—  
Hasselhorn, Walter C., and Baker. 2,722,580.
- Baker, John S., to Cook Electric Co. 2,703,107, Cl. 37—788.
- Baker, John T., and C. H. Marshall. 2,725,443, Cl. 100—137.
- Baker, Jose C., to Diamond Alkali Co. 2,727,788, Cl. 299—141.
- Baker, Julius D. 2,721,592, Cl. 145—116.
- Baker, Kenneth L.: *See*—  
Bowersett, Charles F., Donahue, and Baker. 2,718,192.
- Baker, Landis C., to Sun Oil Co. 2,726,990, Cl. 196—19.
- Baker, Leonard, and C. P. Rounsefell, to Dexter Folder Co. 2,717,710, Cl. 216—25.
- Baker, Neal: *See*—  
Young, Horace G. 2,704,139.
- Baker Oil Tools, Inc.: *See*—  
Austin, Benjamin L. 2,703,622.
- Baker, John R. 2,717,648.
- Baker, John R. 2,724,443.
- Baker, Reuben C. 2,703,623.
- Baker, Reuben C. 2,713,870.
- Baker, Reuben C. 2,713,909.
- Baker, Reuben C. 2,713,912.
- Baker, Reuben C. 2,717,647.
- Baker, Reuben C. 2,719,699.
- Baker, Reuben C. 2,726,722.
- Baker, Reuben C., and Austin. 2,707,998.
- Baker, Reuben C., and Conrad. 2,713,910.
- Berry, John R., and Fost. 2,718,266.
- Conrad, Martin B. 2,713,915.
- Conrad, Martin B. 2,717,613.
- Conrad, Martin B. 2,718,265.
- Kline, Albert K., and Conrad. 2,713,907.
- Kolsky, Alexander R. 2,717,649.
- Kriegel, Bernard. 2,713,914.
- Ragan, Thomas M. 2,707,999.
- Ragan, Thomas M. 2,711,795.
- Ragan, Thomas M. 2,713,913.
- Ragan, Thomas M., and Kriegel. 2,701,614.
- Baker, Paul M. 2,716,066, Cl. 99—234.
- Baker Perkins Inc.: *See*—  
Irving, Henry F. 2,716,290.
- Warrington, James I. D. 2,704,040.
- Baker, Ralph G., to Spee-Dee Corp. of Texas. 2,703,536, Cl. 107—1.
- Baker-Raulang Co., The: *See*—  
Benjamin, George W. 2,718,118.
- Overbeck, Charles F. 2,724,520.
- Schenkelberger, Frank J. 2,709,016.
- Schenkelberger, Frank J. 2,709,018.
- Baker, Reuben C., to Baker Oil Tools, Inc. 2,703,623, Cl. 166—122.
- Baker, Reuben C., to Baker Oil Tools, Inc. 2,713,870, Cl. 137—68.
- Baker, Reuben C., to Baker Oil Tools, Inc. 2,713,909, Cl. 166—70.
- Baker, Reuben C., to Baker Oil Tools, Inc. 2,713,912, Cl. 166—173.
- Baker, Reuben C., to Baker Oil Tools, Inc. 2,717,647, Cl. 166—225.
- Baker, Reuben C., to Baker Oil Tools, Inc. 2,719,699, Cl. 255—75.
- Baker, Reuben C., to Baker Oil Tools, Inc. 2,726,722, Cl. 166—204.
- Baker, Reuben C., and B. L. Austin, to Baker Oil Tools, Inc. 2,707,998, Cl. 166—63.
- Baker, Reuben C., and M. B. Conrad, to Baker Oil Tools, Inc. 2,713,910, Cl. 166—123.
- Baker, Richard E., to Radio Corp. of America. 2,717,976, Cl. 315—13.
- Baker, Robert F., and E. S. Byron, to Westinghouse Electric Corp. 2,721,138, Cl. 75—214.
- Baker, Robert H.: *See*—  
Graham, Walter H., and Baker. 2,701,582.
- Baker, Robert M., to Westinghouse Electric Corp. 2,709,740, Cl. 219—10.77.
- Baker, Stanley W., and C. W. Folley, to Curtiss-Wright Corp. 2,702,618, Cl. 192—85.
- Baker, Stanley W., and J. T. Halliday, to Curtiss-Wright Corp. 2,724,266, Cl. 73—136.
- Baker, Stuart D. 2,714,280, Cl. 56—291.
- Baker, Thomas R., to Baljak Corp. 2,714,343, Cl. 93—49.
- Baker, Thomas R., to Baljak Corp. 2,714,344, Cl. 93—51.
- Baker, Thomas R., and R. V. Pagendarm, to Baljak Corp. 2,718,992, Cl. 226—71.
- Baker, Trevor A.: *See*—  
Stuart, Robert M. 2,724,131.
- Baker, Willard C., and W. Nicholas. 2,705,470, Cl. 115—64.
- Baker, Willard L., and H. D. Goodnow, to United Shoe Machinery Corp. 2,711,558, Cl. 18—5.
- Baker, William E., to Bendix Aviation Corp. 2,702,053, Cl. 137—785.
- Baker, William E., to Bendix Aviation Corporation. 2,711,654, Cl. 74—99.
- Baker, William R.: *See*—  
De Liban, Robert, and Baker. 2,721,700.
- Baker, William R., to the United States of America as represented by the United States Atomic Energy Commission. 2,721,699, Cl. 235—92.
- Baker, William R., and S. C. Curran; said Baker assor. to the United States of America as represented by the United States Atomic Energy Commission. 2,712,078, Cl. 250—41.9.
- Bakewell, William E. 2,701,532, Cl. 103—126.
- Bakke, Hans A.: *See*—  
Gabrielson, Samuel and Bakke. 2,704,457.
- Stimson, Allen G., Taylor, and Bakke. 2,728,265.
- Bakke, Laurence D., to Continental Motors Corp. 2,717,586, Cl. 123—122.
- Bakke, Laurence D., and M. J. Miller, to Continental Motors Corp. 2,705,481, Cl. 123—65.
- Bakke, Laurence D., and P. Altman, to Continental Motors Corp. 2,714,376, Cl. 123—195.
- Bakke, Westye F., to Sub-Zero Freezer Co., Inc. 2,700,281, Cl. 62—141.
- Bakker, Johannes. 2,702,424, Cl. 25—154.
- Bakker, Johannes. 2,722,407, Cl. 259—72.
- Bakker, Pier, to Automatic Electric Laboratories, Inc. 2,713,616, Cl. 179—18.
- Bakker, Willem, to American Enka Corp. 2,728,446, Cl. 203—355.
- Balass, Valentin, to Tecno Trade Anstalt. 2,714,518, Cl. 284—16.
- Balassa, Leslie L.: *See*—  
Kahler, William H., Balassa, and Ross. 2,702,228.
- Balboni, Francis and J. C. 2,702,925, Cl. 20—16.
- Balboni, John C.: *See*—  
Balboni, Francis and J. C. 2,702,925.
- Balcrank, Inc.: *See*—  
Budai, Steve G. 2,709,481.
- Woelfer, Frank C. 2,726,790.
- Baldine, Joseph J. 2,722,986, Cl. 180—6.7.
- Baldocchi, Archie A. 2,704,400, Cl. 33—70.
- Baldrige, William H., Jr., to The B. F. Goodrich Co. 2,699,182, Cl. 138—47.
- Baldt Anchor, Chain and Forge Division of the Boston Metals Co.: *See*—  
Linnenbank, Charles D. 2,714,798.
- Baldwin, Alan W. 2,710,511, Cl. 63—14.
- Baldwin, Ann. 2,724,532, Cl. 223—68.
- Baldwin, David E.: *See*—  
Dixon, Robert R., and Baldwin. 2,727,831.
- Baldwin, Donald G., to Socony Mobil Oil Co., Inc. 2,717,608, Cl. 134—81.
- Baldwin, Earl M., Jr., to The Corn States Serum Co. 2,719,102, Cl. 167—78.
- Baldwin, Hazel: *See*—  
Baldwin, Jewell S. and H. 2,719,551.
- Baldwin, Hornsby S. 2,717,019, Cl. 152—226.
- Baldwin, Jewell S. and H. 2,719,551, Cl. 143—47.
- Baldwin-Lima-Hamilton Corp.: *See*—  
Gloor, Wilbur T. 2,703,012.
- Hall, Keith W. 2,724,145.
- Hyde, Lawrence K. 2,726,542.
- Kutsay, Ali U. 2,724,265.
- McArdle, Charles F. 2,718,436.
- Baldwin, Marvin C. 2,723,763, Cl. 211—78.
- Baldwin, Reverdy E.: *See*—  
Johnson, Ralph A., and Baldwin. 2,719,386.
- Baldwin Rubber Co.: *See*—  
Hunter, Gerald G. 2,726,081.
- McDonald, Angus A. 2,715,438.
- Baldwin-Ward Mfg. Co., Inc.: *See*—  
Ward, Reid. 2,706,068.
- Balentine, Conrad J., to General Electric Co. 2,717,294, Cl. 200—150.
- Balentine, George H., Jr.: *See*—  
Sher, Jack, and Balentine. 2,708,044.
- Bales, Max G., to General Motors Corp. 2,699,345, Cl. 286—5.
- Bales, Max G., to General Motors Corp. 2,717,286, Cl. 200—31.
- Balestrieri, Arturo. 2,701,135, Cl. 268—46.
- Balfe, George T., to Detroit Gasket & Mfg. Co. 2,711,334, Cl. 288—31.
- Balfe, George T., to Detroit Gasket & Mfg. Co. 2,720,406, Cl. 288—21.
- Balfour, David G., to Royal McBee Corp. 2,728,438, Cl. 197—114.
- Balint, John: *See*—  
Flora, Laurence H., and Balint. 2,707,013.
- Flora, Laurence H., and Balint. 2,712,917.
- Flora, Laurence H., and Balint. 2,716,263.
- Flora, Laurence H., and Balint. 2,724,883.
- Balint, John, L. R. Mehlman, and S. J. Andrews, to Tinnerman Products, Inc. 2,710,705, Cl. 220—91.
- Balis, Charles B., to Frank D. Saylor & Son. 2,709,453, Cl. 138—68.
- Balistreri, Mildred D. 2,701,379, Cl. 15—143.
- Baljak Corp.: *See*—  
Baker, Thomas R. 2,714,343.
- Baker, Thomas R. 2,714,344.
- Baker, Thomas R., and Pagendarm. 2,718,992.
- Bemiss, Robert P. 2,718,998.
- Helmick, Frederick E. 2,718,999.
- Randles, Arthur E. 2,714,483.
- Balk, Ann K.: *See*—  
Herrick, Clifford E., Jr., and Balk. 2,699,392.
- Herrick, Clifford E., Jr., and Balk. 2,703,756.
- Ball, Charles F., to Joy Mfg. Co. 2,705,626, Cl. 262—28.



- Ball, Charles F., and J. W. Woolf, to Joy Mfg. Co. 2,715,425, Cl. 143—43.
- Ball, Charles F., and R. T. Hair, to Joy Mfg. Co. 2,727,639, Cl. 214—77.
- Ball, David L. 2,707,788, Cl. 5—296.
- Ball, Denis A.: *See*—  
Sargrove, John A., and Ball. 2,705,466.
- Ball, James W., 10% to A. P. Broiles, 45% to W. R. Gunderson, and 10% to R. R. Gunderson. 2,701,387, Cl. 17—45.
- Ball, Lamar G., to Batson-Cook Co. 2,720,152, Cl. 98—40.
- Ball, Russell C.: *See*—  
Kron, Harold O., and Ball. 2,703,991.
- Ball, Sam W. 2,718,126, Cl. 62—108.5.
- Ball, Thomas M., to Chrysler Corp. 2,722,206, Cl. 123—127.
- Ballantine, James S. 2,702,059, Cl. 144—230.
- Ballantine, P., & Sons: *See*—  
Wahl, Eugene A., and Winters. 2,716,497.
- Winters, Ralph J. 2,710,818.
- Ballantyne, David H., D. O. Davies, and D. E. Bowns, to Rolls-Royce Ltd. 2,706,888, Cl. 60—39.28.
- Ballantyne, David H., and A. Jubb, to Rolls-Royce Ltd. 2,725,932, Cl. 158—36.4.
- Ballard, Charles U. 2,705,969, Cl. 137—87.
- Ballard, David C., to Radio Corp. of America. 2,717,322, Cl. 313—76.
- Ballard, Doris J.: *See*—  
Ballard, William R. 2,719,553.
- Ballard, James W., and H. Brier, to The Commonwealth Engineering Co. of Ohio. 2,724,411, Cl. 138—30.
- Ballard, Kempton W., to West Point Mfg. Co. 2,702,164, Cl. 242—1.
- Ballard, Lillie: *See*—  
Ballard, William R. 2,719,553.
- Ballard, Robert L., to General Motors Corp. 2,698,893, Cl. 219—20.
- Ballard, Sam L. 2,708,471, Cl. 153—32.
- Ballard, Seaver A.: *See*—  
Haeefe, Walter R., Hearne, and Ballard. 2,723,994.
- Ballard, William C., Jr., deceased; R. O. Klausmeyer, executor, to R. B. Klausmeyer. 2,714,189, Cl. 324—30.
- Ballard, William R., 1/2 to L. Ballard and 1/2 to D. J. Ballard. 2,719,553, Cl. 145—4.
- Ballash, Joseph L., to Sterling Grinding Wheel Co. 2,720,733, Cl. 51—209.
- Ballauer, Alb C.: *See*—  
Ostroff, Harold H., Ballauer, and Mazzoni. 2,706,885.
- Toney, Ernest W., Ostroff, and Ballauer. 2,716,459.
- Balle, John J. 2,725,180, Cl. 229—73.
- Balleisen, Charles E., R. A. Doak, Jr., and L. R. Garza, to the United States of America as represented by the Secretary of the Army. 2,701,963, Cl. 73—167.
- Ballentyne, Gustave C., and R. F. Bovard. 2,720,921, Cl. 161—15.
- Ballhausen, Carl, to Deutsche Edelstahlwerke Aktiengesellschaft. 2,726,153, Cl. 75—203.
- Ballinger, Wallace A. 2,724,138, Cl. 15—229.
- Ballman, Edwin C., to Ballman Engineering Co. 2,711,492, Cl. 310—254.
- Ballman Engineering Co.: *See*—  
Ballman, Edwin C. 2,711,492.
- Ballman, Richard L., and J. M. Chamberlin, to Monsanto Chemical Co. 2,727,878, Cl. 260—45.5.
- Ballou, B. A., & Co., Inc.: *See*—  
Watson, John R. 2,711,569.
- Ballu, Louis H. D. M. 2,722,280, Cl. 180—9.1.
- Ballu, Vincent P. M., to Etablissements Edgar Brandt (Societe Anonyme). 2,702,438, Cl. 37—126.
- Bally, Hans J. 2,723,888, Cl. 311—39.
- Bally, Hans J. 2,727,711, Cl. 248—246.
- Balogh, Roy O., to McCabe-Powers Auto Body Co. 2,713,402, Cl. 189—14.
- Balon, Walter J.: *See*—  
Wiest, Emil G., and Balon. 2,709,696.
- Balon, Walter J., and O. Stallmann, to E. I. du Pont de Nemours and Co. 2,726,252, Cl. 260—391.
- Balsam, Louis L., to Northrop Aircraft, Inc. 2,713,727, Cl. 33—211.
- Balsiger, Harold E., to Landis Tool Co. 2,708,816, Cl. 51—105.
- Balsiger, Harold E., and R. E. Price, to Landis Tool Co. Re. 23,991, Cl. 51—105.
- Balson, William J., 50% to P. Tulenko. 2,703,448, Cl. 30—4.
- Baltimore Biological Laboratory: *See*—  
Carski, Theodore J. 2,706,702.
- Baltimore Gas and Electric Co.: *See*—  
Betz, Paul L. 2,720,615.
- Betz, Paul L. 2,720,623.
- Baltin, William H. 2,709,319, Cl. 46—154.
- Baltosser, Robert W., to Seismograph Service Corp. 2,701,659, Cl. 220—46.
- Baltzer, Otto J., to the United States of America as represented by the Secretary of the Navy. 2,701,875, Cl. 340—345.
- Balwies, Thomas, to Penn Stevedoring Corp. 2,707,573, Cl. 214—621.
- Balz, Emil H., to Glass Fibers Inc. 2,700,010, Cl. 154—128.
- Balzer, Abram P.: *See*—  
Spieth, Karl A., and Balzer. 2,700,265.
- Balzer, Ralph H., and E. J. Goes. 2,719,520, Cl. 123—122.
- Balzer, Vernon W., to Hallett Mfg. Co. 2,715,152, Cl. 174—59.
- Balzhiser, James K., to The B. F. Goodrich Co. 2,699,198, Cl. 154—9.
- Bambara, John, and M. T. Modny. 2,725,053, Cl. 128—83.
- Bamba, Louis L., to Parke, Davis & Co. 2,721,207, Cl. 260—470.
- Bamford, Arthur P., to E. G. Staude Mfg. Co., Inc. 2,719,763, Cl. 38—176.
- Bamford, John W., R. E. Fredericks, and R. B. Kees. 2,718,149, Cl. 74—5.5.
- Bancel, Paul A., to Ingersoll-Rand Co. 2,704,631, Cl. 230—3.
- Bancel, Paul A., to Ingersoll-Rand Co. 2,714,881, Cl. 123—119.
- Banck, Werner, O. Baur, K. Hägele, and W. Rolli, to Robert Bosch G. m. b. H. 2,704,654, Cl. 255—45.
- Bancroft, John W., to Minneapolis-Honeywell Regulator Co. 2,703,982, Cl. 73—304.
- Bancroft, John W., to Minneapolis-Honeywell Regulator Co. 2,718,146, Cl. 73—304.
- Bancroft, Joseph C. 2,717,667, Cl. 189—76.
- Bancroft, Joseph, & Sons Co.: *See*—  
Baliarz, Raymond S., and Hall. 2,709,638.
- Bandes, Selwyn, and C. B. Miller, to Allied Chemical & Dye Corp. 2,709,688, Cl. 252—411.
- Bane, William O.: *See*—  
Dougherty, James L., and Bane. 2,702,475.
- Banerjee, Dili K.: *See*—  
Johnson, William S., and Banerjee. 2,726,267.
- Banes, Fred W.: *See*—  
Leary, Robert F., and Banes. 2,718,492.
- Banes, Fred W., and S. B. Mirviss, to Esso Research and Engineering Co. 2,728,742, Cl. 260—45.5.
- Banff, Peter S., to C. L. Klinck, Jr. 2,721,550, Cl. 128—156.
- Bangert, John T., to Bell Telephone Laboratories, Inc. 2,710,444, Cl. 333—32.
- Bangert, John T., to Bell Telephone Laboratories, Inc. 2,728,553, Cl. 333—80.
- Bangert, John T., and E. I. Green, to Bell Telephone Laboratories, Inc. 2,726,368, Cl. 332—45.
- Banigan, Thomas F., to E. I. du Pont de Nemours and Co. 2,719,300, Cl. 154—116.
- Bank, Albert M. 2,703,414, Cl. 5—253.
- Bank, Albert M., and A. J. Katz, to Super Sagless Spring Co. 2,721,337, Cl. 5—13.
- Bank, Albert M., and A. J. Katz, to Super-Sagless Spring Co. 2,727,531, Cl. 155—106.
- Bank, Elmer T. 2,719,646, Cl. 220—52.
- Bank, Thor G., and S. H. Telander, to Allis-Chalmers Mfg. Co. 2,723,326, Cl. 200—167.
- Banker, Oscar H.: *See*—  
Lapsey, Robert, and Banker. 2,722,133.
- Banker, Oscar H., to New Products Corp. 2,719,440, Cl. 74—731.
- Banker, Oscar H., to New Products Corp. 2,723,735, Cl. 192—3.2.
- Banker, Russell E. 2,725,781, Cl. 88—1.
- Bankers Fox Co.: *See*—  
Felloves, John E. 2,723,073.
- Bankert, Ralph A., to The B. F. Goodrich Co. 2,705,243, Cl. 260—483.
- Bankes, Willard G., Jr., to the United States of America as represented by the Secretary of the Army. 2,717,057, Cl. 188—5.
- Bank of America National Trust and Savings Association: *See*—  
Ordorica, Miguel A., and Pursell. 2,721,636.
- Roos, Delmar G. 2,725,955.
- Bank of America Trust and Savings Assn.: *See*—  
Delafontaine, Charles. 2,709,874.
- Bank of Commerce and Trusts: *See*—  
Peple, Gustave A., Jr. 2,701,101.
- Banks, Aubrey R. 2,703,656, Cl. 214—77.
- Banks, Charles A. 2,728,173, Cl. 51—141.
- Banks, Charles T.: *See*—  
Jones, David D., and Banks. 2,698,692.
- Banks, Daniel B., to Sun Oil Co. 2,712,426, Cl. 248—128.
- Banks, Dorothy A. 2,704,224, Cl. 296—49.2.
- Banks, Robert E., to Inflico Inc. 2,718,275, Cl. 183—2.5.
- Banks, Sydney E. 2,717,711, Cl. 216—54.
- Banks, Sydney E., 1/2 to Morgan Fairest Ltd. 2,723,042, Cl. 216—13.
- Bann, Robert F., and R. C. Conn, to American Cyanamid Co. 2,703,812, Cl. 260—521.
- Banner Equipment Co.: *See*—  
Kurth, Erwin C. 2,710,195.
- Banner, Joseph, and C. W. Keich, to The Columbia Mills, Inc. 2,699,206, Cl. 160—328.
- Banneyer, Joseph. 2,700,294, Cl. 72—17.
- Banning, Helmuth, to "O. Dörries A. G. vorm. Maschinenfabrik Banning & Seybold." 2,709,397, Cl. 92—28.
- Bannister, Bryant, to United States Steel Corp. 2,700,201, Cl. 24—263.
- Bannister, Clyde E. 2,707,008, Cl. 144—309.
- Bannister, Clyde E. 2,717,656, Cl. 181—0.5.
- Bannister, Clyde E. 2,717,760, Cl. 255—1.4.
- Bannister, Clyde E., and W. D. Eakin; said Eakin assor. to said Bannister. 2,706,969, Cl. 121—154.
- Bannister, William J.: *See*—  
Yalowitz, Harold I., and Bannister. 2,713,597.
- Bantar, Inc.: *See*—  
McBride, John W. 2,727,421.
- McBride, John W. 2,727,422.
- Bantz, John H.: *See*—  
Koerner, Harry E., and Bantz. 2,701,744.
- Banus, Mario D., and R. W. Bragdon, to Metal Hydrides Inc. 2,720,444, Cl. 23—14.
- Bao, Bernard K. H. 2,706,600, Cl. 235—83.



- Baracket, Albert J., T. M. Maxwell, Jr., and F. H. Namrich, to International Telephone and Telegraph Corp. 2,23,307, Cl. 178—6.
- Barager, Ethel D., 50% to C. M. Carter. Re. 24,43, Cl. 2—49.
- Barail, Louis C.: *See*—  
Tierney, Thomas. 2,721,567.
- Baranski, George J. 2,728,382, Cl. 155—184.
- Baranski, Stephen: *See*—  
Batlas, George X., Pantazis, and Baranski. 2,712,654.
- Barany, Edmund, H. W. Bauman, and M. Sackter, to Ampro Corp. 2,728,577, Cl. 274—4.
- Barasch, Hans P. 2,723,044, Cl. 220—23.
- Barash, Lee F.: *See*—  
Lally, Philip M., and Barash. 2,727,179.
- Baratelli, Charles A., to American Optical Co. 2,708,025, Cl. 206—5.
- Baratelli, Charles A., to American Optical Co. 2,709,256, Cl. 2—14.
- Baratelli, Charles A., to American Optical Co. 2,710,685, Cl. 206—5.
- Barbara, Charles S.: *See*—  
Germann, Kenneth R. 2,714,049.
- Barbaro, Anthony J.: *See*—  
Young, Richard W., and Barbaro. 2,708,667.
- Barbato, Luca. 2,718,251, Cl. 150—52.
- Barber, Anthony A. 2,711,678, Cl. 95—94.
- Barber, Charles C., to Bell Telephone Laboratories, Inc. 2,727,103, Cl. 200—1.
- Barber-Colman Co.: *See*—  
Crandall, Charles B. 2,713,192.  
Kennedy, Walter W. 2,715,867.  
Scone, John P. 2,714,838.  
Townsend, Franklin L. 2,698,720.  
Welker, Oscar L. 2,724,074.
- Barber, Edmund A., Jr.: *See*—  
Gibbon, John H., Jr., Malmros, and Barber. 2,702,035.  
Malmros, Gustav V. A., and Barber. 2,704,511.  
Malmros, Gustav V. A., and Barber. 2,723,118.
- Barber, Everett M., J. R. Muenger, and F. J. Villforth, Jr., to The Texas Co. 2,713,790, Cl. 73—60.
- Barber, Franklin D., to Standard Car Truck Co. 2,711,353, Cl. 308—85.
- Barber, Franklin D., to Standard Car Truck Co. 2,714,046, Cl. 308—83.
- Barber, George R., to The Allen-Sherman-Hoff Co. 2,720,177, Cl. 110—165.
- Barber-Greene Co.: *See*—  
Barber, Harry A., and Ross. 2,705,133.  
Evans, Charles. 2,727,319.  
Evans, Charles E. 2,718,961.  
Evans, Charles E., and Barber. 2,727,318.
- Barber, Harry A.: *See*—  
Evans, Charles E., and Barber. 2,727,318.
- Barber, Harry A., and B. M. Ross, to Barber-Greene Co. 2,705,133, Cl. 259—156.
- Barber, Herbert L., to Knickerbocker Plastic Co., Inc. 2,725,869, Cl. 124—14.
- Barber, Hiram E., to M. A. Benne. 2,700,860, Cl. 36—25.
- Barber, Hiram L., and G. L. Sellars. 2,706,961, Cl. 115—50.
- Barber, Jesse. 2,707,935, Cl. 118—417.
- Barber, John E. 2,726,116, Cl. 299—4.
- Barber, John E. 2,726,117, Cl. 299—4.
- Barber Machinery Ltd.: *See*—  
Malo, John H. 2,717,090.
- Barber, Ralph F.: *See*—  
Corley, Mark H., Arvidson, and Barber. 2,707,046.  
Corley, Mark H., and Barber. 2,722,093.
- Barber, Richard J.: *See*—  
Glen, William L., Myers, Barber, and Grant. 2,715,121.  
Grant, Gordon A., Glen, and Barber. 2,727,898.
- Barber, William A.: *See*—  
Friedlander, Henry Z., and Barber. 2,706,186.  
Friedlander, Henry Z., and Barber. 2,713,041.
- Barbknecht, Fred W., to International Harvester Co. 2,711,066, Cl. 56—41.
- Barbour, Robert J.: *See*—  
Bracev, Cecil, and Barbour. 2,720,048.
- Barbour Welting Co.: *See*—  
Vizard, William C. 2,700,231.  
Vizard, William C. 2,709,858.
- Barbour, William MacA. 2,715,213, Cl. 339—126.
- Barchoff, Abraham, to Eastern Brass & Copper Co., Inc. 2,705,658, Cl. 294—118.
- Barchoff, Abraham, to Eastern Brass & Copper Co., Inc. 2,705,659, Cl. 294—118.
- Barclay, James, and J. S. Knox. 2,712,445, Cl. 273—15.
- Barco, Allen A.: *See*—  
Rhodes, Roland N., and Barco. 2,706,217.
- Barco Mfg. Co.: *See*—  
Clark, Robert S. 2,700,123.
- Barcus, Edward L., to General Motors Corp. 2,722,577, Cl. 200—61,34.
- Bard, Francis N. 2,701,873, Cl. 340—268.
- Bardeen, Thomas, and R. W. Williams, to Gulf Research & Development Co. 2,717,369, Cl. 340—17.
- Bardill, John D. 2,722,400, Cl. 251—176.
- Bardon, Aubrey C. 2,723,407, Cl. 15—24.
- Bareford, Robert E., to Northrop Aircraft, Inc. 2,702,889, Cl. 339—2.
- Barényi, Béla. 2,700,570, Cl. 296—28.
- Barényi, Béla, to Daimler-Benz Aktiengesellschaft. 2,700,571, Cl. 296—28.
- Barényi, Béla, to Daimler-Benz Aktiengesellschaft. 2,701,726, Cl. 280—106.
- Barényi, Béla. 2,702,206, Cl. 296—28.
- Barényi, Béla. 2,703,626, Cl. 180—54.
- Barényi, Béla. 2,710,222, Cl. 296—28.
- Barényi, Béla. 2,710,770, Cl. 296—28.
- Barényi, Béla. 2,716,032, Cl. 280—87.
- Barényi, Béla. 2,716,040, Cl. 296—28.
- Barényi, Béla. 2,723,154, Cl. 296—28.
- Baresch, Charles A. 2,707,132, Cl. 302—53.
- Barfield, Walter. 2,721,664, Cl. 214—3.
- Barfod, Frederik: *See*—  
Winkler, Albert H., and Barfod. 2,712,928.
- Barg, Dora A. 2,718,722, Cl. 41—5.
- Bargen, William J. 2,709,633, Cl. 311—109.
- Barger, John L.: *See*—  
Sever, Charles E., and Barger. 2,720,185.
- Baril, Edward J. 2,716,043, Cl. 306—27.
- Baring, John A.: *See*—  
Ziebolz, Herbert, Campbell, and Baring. 2,712,184.  
Ziebolz, Herbert, Campbell, and Baring. 2,712,414.
- Barium Steel Corp.: *See*—  
Coutant, Jay G. 2,715,575.
- Barkeij, Jean A. H.: *See*—  
Kepka, Frank, and Barkeij. 2,714,858.
- Barker, Clifford L., to Walker Crossweller & Co. Ltd. 2,725,896, Cl. 137—625,42.
- Barker, Geoffrey C.: *See*—  
Grayson, Harry, Brown, and Barker. 2,714,205.
- Barker, George E., to Atlas Powder Co. 2,724,699, Cl. 252—137.
- Barker, George E., to Atlas Powder Co. 2,724,700, Cl. 252—137.
- Barker, George E., and G. E. Alter, Jr., to Elgin National Watch Co. 2,718,499, Cl. 252—34,7.
- Barker, John L., to Eastern Industries, Inc. 2,705,789, Cl. 340—31.
- Barker, Noble A., to Barker Saw Co. 2,701,590, Cl. 143—44.
- Barker, Ronald H., to National Research Development Corp. 2,700,696, Cl. 178—2.
- Barker, Ronald H., to National Research Development Corp. 2,721,318, Cl. 340—355.
- Barker Saw Co.: *See*—  
Barker, Noble A. 2,701,590.
- Barkham, Joseph, to Chisholm, Boyd & White Co. 2,716,900, Cl. 74—520.
- Barkin, Aaron, to Practical Electric Products, Inc. 2,713,628, Cl. 219—40.
- Barkl, John O. 2,703,426, Cl. 15—257.
- Barkley, Dwight W., to Libbey-Owens-Ford Glass Co. 2,722,864, Cl. 88—77.
- Barklow, Ermah E.,  $\frac{1}{3}$  to W. J. Paxton and  $\frac{1}{3}$  to N. F. Krueger. 2,704,374, Cl. 15—39.
- Barks, Robert W. 2,703,168, Cl. 198—1.
- Barkschat, Eric. 2,718,398, Cl. 272—83.
- Barlow, Benjamin W., and R. A. Gilbert, to D. Napier & Son Ltd. 2,699,855, Cl. 192—53.
- Barlow, Daniel P., to General Electric Co. 2,715,672, Cl. 219—43.
- Barlow, Horace V.: *See*—  
Hardeman, William E., Fletcher, Wilson, and Barlow. 2,722,389.
- Barlow, Lester P. 2,704,515, Cl. 102—23.
- Barlow, Lester P., to Glime Co. 2,723,188, Cl. 52—1.
- Barlow, Lester P., and G. H. Brainard. 2,704,514, Cl. 102—23.
- Barmatic Machines, Inc.: *See*—  
Korecky, Edward J. 2,699,600.
- Barnard, Carlos. 2,722,916, Cl. 120—108.
- Barnard, John R. 2,719,064, Cl. 308—70.
- Barnard, Ralph. 2,704,215, Cl. 280—104,5.
- Barnard, Roy M., and S. E. Buckley, to International Standard Electric Corp. 2,706,682, Cl. 75—206.
- Barndollar, Cora M. 2,716,239, Cl. 2—69,5.
- Barnes, Alfred A., and H. H. Klein, to Oswego Falls Corp. 2,726,583, Cl. 93—39,2.
- Barnes, Alvin G. 2,708,581, Cl. 273—145.
- Barnes, Bryce E.: *See*—  
Faulkner, Richard D., Barnes, and Grimes. 2,728,009.
- Barnes, Carl E., W. O. Nev, Jr., and W. R. Nummy, to Arnold, Hoffman & Co. Inc. 2,711,398, Cl. 260—31,2.
- Barnes, Chalm V. 2,728,838, Cl. 219—8.
- Barnes, Charles H., and F. Grosse. 2,722,029, Cl. 15—128.
- Barnes, Charles R., to Albany Felt Co. 2,714,051, Cl. 8—128.
- Barnes Drill Co.: *See*—  
Fowler, Leslie L. 2,720,974.  
Gross, Maurice J. 2,720,973.
- Barnes Engineering Co.: *See*—  
Bosch, Carl. 2,725,445.
- Barnes-Hind Laboratories, Inc.: *See*—  
Frisch, Frank O. 2,707,468.
- Barnes, Johnney H., to A. Ruozzi. 2,704,919, Cl. 55—66.
- Barnes Mfg. Co.: *See*—  
Smith, Edward M. 2,700,338.
- Barnes, Oliver G.: *See*—  
Starr, Charles S., and Barnes. 2,704,102.
- Barnes, Philip C., and T. S. Cook, to Pilkington Brothers Ltd. 2,720,060, Cl. 51—112.
- Barnes, Philip H. 2,718,169, Cl. 84—480.
- Barnes, Ralph W. 2,716,684, Cl. 200—166.
- Barnes & Reinecke, Inc.: *See*—  
Glomb, Frank A. 2,719,002.  
Spannhake, Ernst W. 2,714,373.



- Barnes, Robert B., to American Optical Co. 2,706,262, Cl. 313—92.
- Barnes, Robert I. 2,724,029, Cl. 200—138.
- Barnes, Robert R., J. F. Keith, and C. C. Robinson, Jr., to American Enka Corp. 2,728,131, Cl. 28—55.
- Barnes, Sidney W., to the United States of America as represented by the United States Atomic Energy Commission. 2,725,481, Cl. 250—41.9.
- Barnes, Sidney W., to the United States of America as represented by the United States Atomic Energy Commission. 2,726,336, Cl. 250—41.9.
- Barnes, Sidney W., and W. M. Brobeck, to the United States of America as represented by the United States Atomic Energy Commission. 2,727,152, Cl. 250—41.9.
- Barnes, Thomas C. 2,725,167, Cl. 223—113.
- Barnes, W. F., and John, Co.: *See*—  
Laxo, Ed. 2,727,481.
- Barnes, William C., Jr., and E. R. Dryden, Jr. 2,709,615, Cl. 292—339.
- Barnes, William E.: *See*—  
Harry, Gordon W., and Barnes. 2,713,830.
- Barnett, David. 2,700,914, Cl. 84—423.
- Barnett, Eugene J., to Westinghouse Electric Corp. 2,725,052, Cl. 126—191.
- Barnett, Frederick W., M. N. Sumner, and J. E. Cashman, 38% to said Barnett, 8% to said Sumner, 23½% to said Cashman, 15% to L. Murfee, and 15% to Fulbright, Crooker, Freeman & Bates. 2,727,293, Cl. 25—118.
- Barnett, Joseph F. 2,728,566, Cl. 262—28.
- Barnett, Leonard H., to Jonas Woodhead & Sons Ltd. 2,715,952, Cl. 188—129.
- Barnett, Philip L. 2,723,882, Cl. 299—106.
- Barnett, Wilford J., S. Hansen, and H. M. Smith, to Hughes Aircraft Co. 2,723,324, Cl. 200—123.
- Barney, Harold L., to Bell Telephone Laboratories, Inc. 2,701,309, Cl. 250—36.
- Barney, Kay H. 2,715,678, Cl. 250—27.
- Barnhart, George E. 2,726,358, Cl. 318—17.
- Barnhart, John A. 2,698,691, Cl. 212—44.
- Barnhart, Leo L., Jr. 2,710,006, Cl. 128—251.
- Barnhart, William S.: *See*—  
Crane, Grant, and Barnhart. 2,700,688.
- Barnish, Leonard S., to Richard Sutcliffe Ltd. 2,724,490, Cl. 198—192.
- Barnoski, Raymond J.: *See*—  
Stancheck, Harry J., and Barnoski. 2,720,719.
- Barns, Wesley. 2,700,828, Cl. 33—185.
- Barnsley, Geoffrey E., to Shell Development Co. 2,710,794, Cl. 71—2.6.
- Barnstead Still and Sterilizer Co.: *See*—  
Revoir, William H., Jr., and Smith. 2,703,153.
- Baron, Emil H., and G. F. Oberlander. 2,704,483, Cl. 86—22.
- Baron, Raoul M. A. 2,710,193, Cl. 279—56.
- Baron, Theodore W. 2,722,067, Cl. 37—169.
- Baroumes, Nina. 2,718,484, Cl. 154—106.
- Barr, Eldon C. 2,719,222, Cl. 250—20.
- Barr, Frederick P., to Myla Products, Inc. 2,718,644, Cl. 9—21.
- Barr, George M., to T. S. Simms & Co., Ltd. 2,725,586, Cl. 15—147.
- Barr, Irwin R., to Aircraft Armaments, Inc. 2,724,624, Cl. 308—200.
- Barr, James R.: *See*—  
Whitman, Lawrence C., and Barr. 2,714,143.
- Barr, James R., to General Electric Co. 2,722,679, Cl. 340—248.
- Barr, John C., to Power Jets (Research & Development) Ltd. 2,717,491, Cl. 60—49.
- Barr, Richard H. H., ½ to Centrax Power Units Ltd. 2,715,814, Cl. 60—39.16.
- Barr, Robert L., to Raytheon Mfg. Co. 2,704,359, Cl. 340—25.
- Barr Rubber Products Co., The: *See*—  
Chupa, John C. 2,710,622.  
Collins, Arthur E. 2,717,691.
- Barr, William R. 2,721,429, Cl. 51—217.
- Barraco, Anthony R. 2,721,634, Cl. 189—46.
- Barradas, George, to PM Industries, Inc. 2,715,087, Cl. 154—83.
- Barradell-Smith, to Pilkington Brothers Ltd. 2,717,474, Cl. 49—3.
- Barrell, Robert F.: *See*—  
Large, William E., and Barrell. 2,703,860.
- Barrentine, Thomas A. 2,706,879, Cl. 55—62.
- Barret, Arthur L., to Joy Mfg. Co. 2,719,642, Cl. 214—521.
- Barret, Cornelius P.: *See*—  
Kling, Martha F., and Barrett. 2,708,762.
- Barrett, Arthur J. 2,708,038, Cl. 211—88.
- Barrett, Arthur L., and S. Leven, to Joy Mfg. Co. 2,719,033, Cl. 262—29.
- Barrett, Arthur S. D., and B. D. Power, to Edwards High Vacuum Ltd. 2,722,371, Cl. 230—105.
- Barrett Bindery Co., The: *See*—  
Wolfe, Edgar H. 2,722,434.
- Barrett, Charles D., and C. R. Whitehead, to American Steel Foundries. 2,719,490, Cl. 105—197.
- Barrett, David M.: *See*—  
Stava, Robert J., and Barrett. 2,726,337.
- Barrett, David R. 2,721,892, Cl. 33—178.
- Barrett, Edward L., to D. B. Alexander, E. R. Bourke, H. T. Chamberlain, J. F. Mannion, E. W. Schneider, W. A. Wade, and C. S. Vrtis, trustees of The Arthur J. Schmitt Foundation. 2,711,519, Cl. 339—5.
- Barrett Edward L., to D. B. Alexander, E. R. Bourke, H. T. Chamberlain, J. F. Mannion, E. W. Schneider, W. A. Wade, and C. S. Vrtis, trustees of The Arthur J. Schmitt Foundation. 2,711,527, Cl. 340—226.
- Barrett Edward L. 2,713,080, Cl. 136—162.
- Barrett Edward R., to Gar Wood Industries, Inc. 2,703,184, Cl. 24—503.
- Barrett Elmer G. 2,699,151, Cl. 121—93.
- Barrett Elmer G. 2,724,369, Cl. 121—83.
- Barrett Equipment Co.: *See*—  
Paker, Phillip J. 2,703,920.
- Barrett, Gerald K., to Monsanto Chemical Co. 2,727,835, Cl. 117—38.8.
- Barrett, Harry B. 2,704,881, Cl. 29—96.
- Barrett, Harry B. 2,726,453, Cl. 33—168.
- Barrett, James S.: *See*—  
Hoyt, Karl R. 2,703,340.
- Barrett, Lawrence D., Jr., and J. Lippart, to Westinghouse Electric Corp. 2,724,546, Cl. 230—133.
- Barrett, Lewis W., and R. E. Kingston, to Sylvania Electric Products Inc. 2,725,127, Cl. 189—88.
- Barrett, Roger M. 2,717,131, Cl. 244—6.
- Barringe, Fred. 2,716,003, Cl. 241—100.
- Barringe, William V. 2,709,544, Cl. 224—5.
- Barroero Louis F. 2,701,384, Cl. 16—128.
- Barroero Louis F. 2,701,395, Cl. 20—35.
- Barron, John T., to The American Pulley Co. 2,709,373, Cl. 74—230.17.
- Barron, Joseph M., to Texaco Development Corp. 2,719,120, Cl. 252—8.5.
- Barron, Lee H. 2,712,715, Cl. 47—21.
- Barrons, Keith C., to The Dow Chemical Co. 2,711,949, Cl. 71—2.7.
- Barrow, Vilmer L. 2,725,533, Cl. 333—11.
- Barrow, Vilmer L. 2,725,537, Cl. 333—97.
- Barrows, John. 2,726,817, Cl. 242—4.
- Barry, Arthur J., to Dow Corning Corp. 2,715,060, Cl. 23—18.
- Barry Controls Inc.: *See*—  
Cummings, Clinton L. 2,722,845.
- Barry, Earle W.: *See*—  
Floyd, Baron B., and Barry. 2,725,819.
- Barry, Gerald J.: *See*—  
Bilan, Roland B., Barry, and Schaefer. 2,727,699.
- Barry, Lawrence A.: *See*—  
Reinold, Eugene J., and Barry. 2,715,516.
- Barry, Lem G.: *See*—  
Warnie, Herbert R., and Barry. 2,699,478.
- Barry, Leonard D. 2,714,133, Cl. 179—100.2.
- Barry, Main J.: *See*—  
Frank Sidney M., and Barry. 2,706,708.
- Barry, Richard H.: *See*—  
Walton, Lewis A., Barry, and Clark. 2,713,050.  
Walton, Lewis A., Barry, and Clark. 2,713,051.
- Barry-Wehniller Machinery Co.: *See*—  
Rothman, Emil. 2,707,572.  
Smith, Byron J., Jr. 2,707,571.  
Wehniller, Frederick W., and Herold. 2,716,478.
- Barsam, Arthur, Sr. 2,711,121, Cl. 95—75.
- Barsel, Norman: *See*—  
Fleischacker, Desider, and Barsel. 2,712,024.
- Barsel, Norman, to International Hormones, Inc. 2,728,772, Cl. 260—295.
- Barsky, George to E. F. Drew & Co., Inc. 2,705,722, Cl. 260—4106.
- Barsky, George, to E. F. Drew & Co., Inc. 2,715,642, Cl. 260—419.
- Barsky, George, to E. F. Drew & Co., Inc. 2,728,706, Cl. 167—66.
- Barsness, John B. 2,711,748, Cl. 134—149.
- Barstow, Eugene D. 2,716,490, Cl. 210—130.
- Barstow, John M., Jr., to Bell Telephone Laboratories, Inc. 2,719,289, Cl. 340—253.
- Barstow, Ormond E., L. T. Finlayson, and W. A. Bridge, to The Dow Chemical Co. 2,715,705, Cl. 318—31.
- Bart, Edward H.: *See*—  
Cherlow, Herman, Bart, and Hill. 2,700,060.
- Barta, Emil, and P. Vander Wiel. 2,707,090, Cl. 248—129.
- Barta, Joseph J.: *See*—  
Evans, Francis C., and Barta. 2,723,703.
- Bartel, Tom H., A. J. Meade, P. E. Smith, and H. C. Tims, to Clark Equipment Co. 2,714,969, Cl. 214—653.
- Bartelheim, Leland A., and J. R. Johnson, to Western Electric Co., Inc. 2,706,331, Cl. 29—203.
- Bartelink, Everhard H. B., to the United States of America as represented by the Secretary of the Navy. 2,720,644, Cl. 343—65.
- Bartell, Guillermo S., ½ to J. D. Singh. 2,706,507, Cl. 146—2.
- Bartelt Engineering Co.: *See*—  
Harker, Charles B. 2,707,360.  
Harker, Charles B. 2,716,795.  
Morgan, Tracey B., Jr. 2,721,008.
- Barth Corp., The: *See*—  
Barth, John J. 2,703,419.  
Barth, Robert A. 2,727,720.
- Barth, Eugene I., to Western Electric Co., Inc. 2,702,760, Cl. 117—38.
- Barth, Hans, to American Institute of Radiation. 2,720,153, Cl. 99—249.
- Barth, Harry J.: *See*—  
Spanel, Louis A., Owen, and Barth. 2,721,323.
- Barth, Harry J., to International Latex Corp. 2,707,281, Cl. 2—42.
- Barth, John J., to The Barth Corp. 2,703,419, Cl. 10—152.



- Barth, Robert A., to The Barth Corp. 2,727,770, Cl. 254—134.3.
- Barth, Robert M., to Price-Driscoll Corp. 2,699,222, Cl. 222—413.
- Barth, Walter: *See*—  
Seifert, Richard, and Barth. 2,717,805.
- Barth, Walter L. A., to Aero Service Corp. 2,727,833, Cl. 260—79.1.
- Barthel, Justus C., and R. Hastings, to American Cyanamid Co. 2,717,838, Cl. 106—218.
- Barthenheier, Jakob: *See*—  
Neugebauer, Wilhelm, Barthenheier, and Rebnstock. 2,702,242.
- Bartholomé, Ernst, E. Lehrer, and L. Lorenz, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,719,601, Cl. 183—115.
- Bartholomew, Earl, to Ethyl Corp. 2,709,995, Cl. 123—198.
- Bartlebaugh, Denver: *See*—  
Maruschak, Nick, and Bartlebaugh. 2,704,032.
- Bartleink, Jan A., to National Luchtvaartlaboratorium. 2,728,893, Cl. 336—30.
- Bartleson, John D.: *See*—  
Hughes, Everett C., and Bartleson. 2,725,857.
- Bartleson, John D., to The Standard Oil Co. 2,723,856, Cl. 123—1.
- Bartleson, Mary A. 2,723,894, Cl. 312—210.
- Bartlett, Armor. 2,718,074, Cl. 37—124.
- Bartlett, Armor. 2,718,718, Cl. 37—126.
- Bartlett, Armor. 2,723,472, Cl. 37—156.
- Bartlett and Co. Grain: *See*—  
McCarthy, Edwin L. 2,711,814.
- Bartlett, Harold W., to California Packing Corp. 2,711,275, Cl. 226—2.
- Bartlett, Harold W., to California Packing Corp. 2,713,409, Cl. 198—20.
- Bartlett, Hugh F., to Marconi's Wireless Telegraph Co. Ltd. 2,719,268, Cl. 332—43.
- Bartlett, Jeffrey H., to Esso Research and Engineering Co. 2,718,504, Cl. 252—56.
- Bartlett, Jeffrey H., H. W. Rudel, and E. B. Cyphers, to Esso Research and Engineering Co. 2,705,694, Cl. 167—22.
- Bartlett, Thomas S. 2,722,941, Cl. 134—141.
- Bartlett, Victor A. H. A. 2,704,953, Cl. 81—91.
- Bartlett, William W., to United States of America as represented by the Secretary of the Navy. 2,719,287, Cl. 340—239.
- Bartlett, Woodrow W., and R. L. Pilling. 2,718,628, Cl. 340—27.
- Bartley, Harry C.: *See*—  
Hornbruch, Hugo, Bartley, and Flinn. 2,719,293.
- Bartley, Samuel C.,  $\frac{1}{2}$  to R. S. Cutter. 2,726,587, Cl. 95—73.
- Bartmann & Bixer, Inc.: *See*—  
Petzal, Henry, and Wohlfarth. 2,708,059.
- Bartmess, Eugenie V.: *See*—  
Ventre, Emil K. 2,712,552.
- Bartner, Elliot: *See*—  
Bernstein, Jack, and Bartner. 2,728,765.
- Bartner, Sol. 2,718,212, Cl. 119—97.
- Bartner, Sol. 2,718,213, Cl. 119—97.
- Bartolucci, Edgar O. 2,705,525, Cl. 155—77.
- Barton, Albert R., to E. J. Brach & Sons. 2,704,722, Cl. 99—23.
- Barton, Bernard C., and G. H. Ganzhorn, to United States Rubber Co. 2,710,287, Cl. 260—5.
- Barton, Frederic D. Re. 24,094, Cl. 106—33.
- Barton, Hugh M., Jr., to Phillips Petroleum Co. 2,699,836, Cl. 183—2.
- Barton, Loy E., to Radio Corp. of America. 2,702,379, Cl. 340—6.
- Barton, Loy E., and R. L. Sherwood, to Radio Corp. of America. 2,714,566, Cl. 148—1.5.
- Barton, Percy C. 2,722,440, Cl. 287—54.
- Barton, Ralph D., to Serval, Inc. 2,717,502, Cl. 82—7.
- Barton, Wilbur J.: *See*—  
Keppler, John F., and Barton. 2,705,839.  
Keppler, John F., and Barton. 2,705,840.
- Barton, William A., K. B. Pulford, and A. A. Rivington, to United Shoe Machinery Corp. 2,715,738, Cl. 12—10.7.
- Bartoo, George O., to Trico Products Corp. 2,717,556, Cl. 103—148.
- Bartu, Franz, to Maerz Industrie-Ofenbau Actien Gesellschaft. 2,704,660, Cl. 263—15.
- Bartuska, George, Jr., and J. J. Frick,  $\frac{1}{3}$  to W. E. Knoop. 2,716,191, Cl. 250—33.65.
- Barusch, Maurice R., J. Q. Payne, and J. T. Neu, to California Research Corp. 2,706,740, Cl. 260—679.
- Bary, Constantine W. 2,723,083, Cl. 237—2.
- Barzilai, Gemma M. 2,724,187, Cl. 33—174.
- Basch, Hugo F.: *See*—  
De Ganahl, Carl, Coffin, and Basch. 2,710,136.
- Basch, Walter M.: *See*—  
Long, Robert B., and Basch. 2,701,783.
- Baselt, Walter H., to American Steel Foundries. 2,720,172, Cl. 105—197.
- Bashark, Nicholas, to The Parker Appliance Co. 2,698,631, Cl. 137—414.
- Bashark, Nicholas, to The Parker Appliance Co. 2,701,117, Cl. 251—174.
- Bashor, James R., and A. P. Speckin, to United States Drill Head Co. 2,709,267, Cl. 10—135.
- Bashour, Joseph T.: *See*—  
Jones, Robert H., Lukes, and Bashour. 2,701,253.
- Basic Improvements, Inc.: *See*—  
Finley, Robert W. 2,699,602.
- Basic Research Corp.: *See*—  
Pallotta, Arthur J., Bogdanski, and Thomas. 2,715,795.
- Basile, Carmen L., and P. Terry, to Taylor Spring and Mfg. Co. 2,703,026, Cl. 81—9.51.
- Baskerville, Ralph: *See*—  
Woodward, Lewis J., and Baskerville. 2,717,298.
- Basky, Matthew F. 2,720,049, Cl. 43—56.
- Basler, Fred A. 2,718,537, Cl. 13—17.
- Basolo, Menoto D., and C. D. Sprague, to Lockheed Aircraft Corp. 2,702,716, Cl. 285—164.
- Bass, Charles, and L. J. Spitka. 2,726,470, Cl. 43—15.
- Bass, John V. 2,728,542, Cl. 248—27.
- Bass, Shailer L., to Dow Corning Corp. 2,706,723, Cl. 260—42.
- Bass, Shailer L., to Dow Corning Corp. 2,706,724, Cl. 260—46.5.
- Basset, Harry S. 2,728,726, Cl. 210—23.
- Bassett, Gordon H., and F. G. Packard, to Lever Brothers Co. 2,710,057, Cl. 159—47.
- Bassick Co., The: *See*—  
Claud-Mantle, Arthur. 2,704,218.  
Claud-Mantle, Arthur. 2,709,611.  
Claud-Mantle, Arthur. 2,709,832.  
Kramcsak, Michael, Jr. 2,699,567.  
Kramcsak, Michael, Jr. 2,707,794.  
Kramcsak, Michael, Jr. 2,721,766.
- Bassler, John R., to Hudson Lamp Co. 2,700,726, Cl. 240—8.2.
- Bassoff, Arthur, to National Broach & Machine Co. 2,725,871, Cl. 125—11.
- Bastian-Blessing Co., The: *See*—  
Rupp, Earl V., and Shaw. 2,720,214.  
Sundstrom, Savin L. 2,713,874.
- Bastin, Edgar J.: *See*—  
Goldfield, Edwin R., Stava, and Bastin. 2,720,595.
- Baston, Alfred E. 2,718,814, Cl. 88—24.
- Bastow, Wendell R., to Raytheon Mfg. Co. 2,727,189, Cl. 317—149.
- Batchelder Engineering Co.: *See*—  
Batchelder, James W. 2,705,895.
- Batchelder, George E.: *See*—  
Thoresen, Einar, and Batchelder. 2,799,487.
- Batchelder, George E., to Rockwell Mfg. Co. 2,700,308, Cl. 74—2.
- Batchelder, George E., to Rockwell Mfg. Co. 2,712,461, Cl. 286—11.15.
- Batchelder, James W., to Batchelder Engineering Co. 2,705,895, Cl. 80—7.
- Batcheller, Hugh W., to Ark-Les Switch Corp. 2,713,673, Cl. 339—258.
- Batchelor, Clyde S., and R. E. Steck, to Raybestos-Manhattan, Inc. 2,711,775, Cl. 154—1.
- Batchelor, Dennis A. W.: *See*—  
Messenger, George E., and Batchelor. 2,707,544.
- Bate, Stanley C., F. G. Peach, and W. A. Rogerson, to British Celanese Ltd. 2,703,279, Cl. 92—9.
- Bateman, Alva W., to E. I. du Pont de Nemours and Co. 2,702,580, Cl. 154—37.
- Bateman, Eugene W.: *See*—  
Linnemann, Joseph G., and Bateman. 2,720,821.
- Bates, C. J., & Son: *See*—  
Schneider, John N. 2,713,937.
- Bates, Emile B. 2,714,549, Cl. 151—2.
- Bates, Emile B. 2,724,045, Cl. 219—40.
- Bates, Lawrence G. 2,702,656, Cl. 222—307.
- Bates Mfg. Co.: *See*—  
Renold, Adolph. 2,701,238.  
Robbins, Chandler, II, and Hodgkins. 2,713,193.
- Bates Mfg. Co., The: *See*—  
Lang, William. 2,717,605.
- Bates, Norman H. 2,721,762, Cl. 299—59.
- Bates, Philip K.: *See*—  
Kusserow, Gerhard W., Klohs, Bates, and Gross. 2,727,891.
- Batesville Casket Co., The: *See*—  
Hillenbrand, George C. 2,712,191.
- Bath, Cyril J., to The Cyril Bath Co. 2,713,376, Cl. 153—40.
- Bath Iron Works Corp.: *See*—  
Danyluk, Ostap. 2,708,075.  
Keiper, Edwin H. 2,710,150.
- Bathon, George H., and H. J. Whelan, to Oliver United Filters Inc. 2,698,645, Cl. 154—42.
- Batina, Jerome R., to W. M. Welch Mfg. Co. 2,715,993, Cl. 230—69.
- Batkin, Stanley I. 2,711,922, Cl. 294—87.2.
- Batlas, George X., E. N. Pantazis, and S. Baranski. 2,712,654, Cl. 4—243.
- Batlas, George X., and E. N. Pantazis. 2,717,403, Cl. 15—29.
- Batson-Cook Co.: *See*—  
Ball, Lamar G. 2,720,152.
- Battelle Development Corp., The: *See*—  
Bixby, William E. 2,705,675.  
Mengali, Otavio J. 2,710,375.  
Munger, Hamnett P. 2,699,679.  
Schickner, William C. 2,728,718.  
Willardson, Robert K., Goering, and Middleton. 2,710,253.



- Batten, Percy H.: *See*—  
 Ahlén, Karl G. 2,699,642.  
 Ahlén, Karl G. 2,699,689.  
 Ahlén, Karl G. 2,700,444.  
 Ahlén, Karl G. 2,707,408.  
 Ahlén, Karl G. 2,719,616.  
 Boestad, Gustav K. W. 2,701,130.  
 Lysholm, Alf, Boestad, and Nilsson. 2,720,935.  
 Marble, Jarvis C. 2,707,539.  
 Nilsson, Hans R., and Lindhagen. 2,709,336.  
 Ödman, Tor A. 2,706,109.
- Battersby, James E., to Masson Scott & Co. Ltd. 2,725,002, Cl. 93—93.
- Batterson, Clarence K., deceased; G. C. Batterson, executrix, to T. C. Batterson. 2,699,982, Cl. 94—1.5.
- Batterson, Gladys C.: *See*—  
 Batterson, Clarence K. 2,699,982.
- Batterson, Thomas C.: *See*—  
 Batterson, Clarence K. 2,699,982.
- Batley, Alfred P., to R. Hoe & Co. Inc. 2,714,268, Cl. 41—7.
- Batley, Alfred P., to R. Hoe & Co. Inc. 2,725,229, Cl. 271—56.
- Battle Creek Packaging Machines, Inc.: *See*—  
 Smith, John W. 2,709,399.
- Battles, William M. 2,717,007, Cl. 139—192.
- Batts, Harvey J.: *See*—  
 Iknayan, Alfred N., Peterson, and Batts. 2,702,286.  
 Iknayan, Alfred N., Peterson, and Batts. 2,702,287.  
 Peterson, Lester C., and Batts. 2,726,224.  
 Peterson, Lester C., and Batts. 2,727,874.
- Baty, Joseph A., and M. P. Crowther. 2,703,432, Cl. 18—1.
- Batzdorff, Alfred, to International Latex Corp. 2,723,435, Cl. 24—245.
- Batzle, Joseph H. 2,717,606, Cl. 130—9.
- Bauch, Frederick, to General Motors Corp. 2,721,119, Cl. 41—42.
- Bauch, Norman: *See*—  
 Wait, Louis S. 2,718,630.
- Bauch, Werner A., to Esso Research and Engineering Co. 2,707,706, Cl. 252—472.
- Baude, John, to Allis-Chalmers Mfg. Co. 2,709,235, Cl. 318—167.
- Baudry, René A.: *See*—  
 Kilgore, Lee A., Baudry, and Heller. 2,707,244.
- Baudry, René A., to Westinghouse Electric Corp. 2,707,242, Cl. 310—57.
- Baudry, René A., and P. R. Heller, to Westinghouse Electric Corp. 2,707,243, Cl. 310—57.
- Bauer, Alfons. 2,706,671, Cl. 346—50.
- Bauer, Alfred. 2,712,216, Cl. 58—90.
- Bauer, Carl W. 2,708,935, Cl. 130—5.
- Bauer, Charles A. 2,724,543, Cl. 229—62.5.
- Bauer, David M. 2,712,177, Cl. 30—6.1.
- Bauer, Donald J. 2,712,784, Cl. 97—211.
- Bauer, Edward L. 2,723,170, Cl. 309—45.
- Bauer, Ernest K., to American Viscose Corp. 2,710,440, Cl. 28—19.
- Bauer, Ernest K., to American Viscose Corp. 2,725,613, Cl. 28—32.
- Bauer, Ernest K., and J. F. Sprute, to American Viscose Corp. 2,705,598, Cl. 242—43.
- Bauer, Hugo: *See*—  
 Mullan, Daniel, May, and Bauer. 2,720,690.
- Bauer, Joseph M. 2,703,049, Cl. 101—297.
- Bauer, Louis R. 2,720,126, Cl. 81—40.
- Bauer, Oliver F., and T. H. Peck, to The Gleason Works. 2,726,488, Cl. 51—26.
- Bauer, Paul C.: *See*—  
 Hill, Gordon, and Bauer. 2,713,880.
- Bauer, Russell L.: *See*—  
 Adams, James F., Bauer, and Taylor. 2,698,779.
- Bauer, Thomas E. 2,727,614, Cl. 193—2.
- Bauer, William A., Jr., to The American Brass Co. 2,712,949, Cl. 285—74.
- Bäuerle, Kurt, to Gebrüder Junghans A. G. 2,724,235, Cl. 58—117.
- Bauerlein, Carl C., to The Dole Valve Co. 2,716,996, Cl. 137—98.
- Bauernfeind, Jacob C., and L. Magid, to Hoffmann-La Roche Inc. 2,708,628, Cl. 99—2.
- Bauersfeld, Walther, to C. Zeiss. 2,698,554, Cl. 88—40.
- Baugh, Everett L., and D. L. D. Wallace, to General Motors Corp. 2,698,515, Cl. 60—52.
- Baugh, Everett L., and D. D. Wallace, to General Motors Corp. 2,716,995, Cl. 137—87.
- Baughner, Violet M.: *See*—  
 Howard, Walter, and Baughner. 2,724,850.
- Baughman, George W., to Westinghouse Air Brake Co. 2,718,588, Cl. 246—130.
- Bauling, Adrianus L., to American Viscose Corp. 2,711,156, Cl. 118—60.
- Bauling, Adrianus L., and D. T. Milne, to American Viscose Corp. 2,711,407, Cl. 260—232.
- Baum, Arthur A., to E. I. du Pont de Nemours and Co. 2,704,286, Cl. 260—304.
- Baum, Arthur A., and P. A. Sanders, to E. I. du Pont de Nemours & Co. 2,700,043, Cl. 260—304.
- Baum, Arthur A., and P. A. Sanders, to E. I. du Pont de Nemours & Co. 2,713,054, Cl. 260—304.
- Baum, Arthur A., and P. A. Sanders, to E. I. du Pont de Nemours & Co. 2,713,055, Cl. 260—304.
- Baum, Richard F., to International Telephone and Telegraph Corp. 2,713,164, Cl. 343—113.
- Baum, Richard V., and C. D. Morrill, to Goodyear Aircraft Corp. 2,710,348, Cl. 250—27.
- Bauman Harold W.: *See*—  
 Banny, Edmund, Bauman, and Sackter. 2,728,577.  
 Flaa, Manuel L., and Bauman. 2,718,561.  
 Hovell, Hugh A., and Bauman. 2,718,562.
- Bauman Harold W., to Ampco Corp. 2,717,281, Cl. 179—100.2.
- Bauman, Robert H., to General Motors Corp. 2,714,941, Cl. 188—9.5.
- Bauman, William C., to The Dow Chemical Co. 2,702,275, Cl. 21—24.
- Bauman, Edward W., deceased; D. B. Birchfield, administratrix. 2,710,147, Cl. 238—232.
- Bauman, Fritz: *See*—  
 Vollman, Heinrich, Baumann, and Bienert. 2,701,252.
- Bauman, Hans: *See*—  
 Fedekiell, Wilhelm, Pfitzner, and Baumann. 2,726,920.
- Bauman, Harry R. 2,712,116, Cl. 339—8.
- Baumann Karl. 2,713,495, Cl. 280—40.
- Baumann Manfred. 2,713,380, Cl. 154—1.6.
- Baumann, Martin, to International Paper Co. 2,702,155, Cl. 229—52.
- Baumann Ulrich: *See*—  
 Titte, Josef, Baumann, and Ott. 2,710,931.
- Baumann, Ulrich, and W. Mehlitz, to Siemens-Schuckertwerke Aktiengesellschaft. 2,721,278, Cl. 310—44.
- Baumber, Leonard, to Korma Mills Ltd. 2,704,445, Cl. 66—163.
- Baumgard Charles J., to Librascope, Inc. 2,701,176, Cl. 346—25.
- Baumgartner, Peter K., E. J. Hoffman, and E. F. Wadley, to Esso Research and Engineering Co. 2,717,861, Cl. 196—36.
- Baumgartner, F. Neil, to Esso Research and Engineering Co. 2,723,240, Cl. 252—161.
- Baumgartner, Frederick N., to Esso Research and Engineering Co. 2,712,530, Cl. 252—161.
- Baumgartner, John G. 2,710,774, Cl. 300—4.
- Baumgartner, John R. 2,705,112, Cl. 242—73.
- Baumgartner, Luther L., to The B. F. Goodrich Co. 2,726,947, Cl. 71—2.6.
- Baumheckel, Ralph E., to Link-Belt Co. 2,717,185, Cl. 308—187.2.
- Baumheckel, William M. 2,724,376, Cl. 123—123.
- Baumrucker, William, Jr., and C. M. Flint, to Research Corp. 2,710,154, Cl. 242—75.
- Baumrucker, William, Jr., and C. M. Flint, to Research Corp. 2,710,154, Cl. 242—75.
- Baumstark, George: *See*—  
 Koren, Heiman W., and Baumstark. 2,708,211.  
 Koren, Heiman W., and Baumstark. 2,708,212.
- Baunsgaard Arne C., and B. I. Knudsen, to Kemisk Vaerk Koge A/S. 2,713,005, Cl. 106—288.
- Baur, Ottmar: *See*—  
 Brannck, Werner, Baur, Hägele, and Rolli. 2,704,654.
- Bausch & Lomb Optical Co.: *See*—  
 Blum, Albert H., and Holdren. 2,709,942.  
 Boughton, Olin W. 2,712,267.  
 Gruner, Heinz E. R. 2,723,593.  
 Hafner, Harold C., Brewster, and Weidel. 2,702,749.  
 Jobe, Frederick W. 2,715,352.  
 Jones, Burr W. 2,723,502.  
 Kipp, Harry B. 2,715,275.  
 Knowlton, William R. 2,702,493.  
 Lueck, Irving B. 2,712,180.  
 Lueck, Irving B. 2,723,594.  
 Lueck, Irving B., and Schelling. 2,723,501.  
 Morrow, Earl. 2,715,224.  
 Ohliger, Lewis P. 2,704,420.  
 Stegeman, Raymond F. E. 2,710,091.  
 Stegeman, Raymond F. E. 2,710,331.  
 Stegeman, Raymond F. E. 2,715,258.  
 Stegeman, Raymond F. E., and Gay. 2,715,223.
- Bausher, Jeremiah L., to Infants Socks, Inc. 2,703,971, Cl. 66—172.
- Bavley, Abraham: *See*—  
 Pasternack, Richard, and Bavley. 2,700,058.
- Bavley, Abraham, and A. E. Timreck, to Chas. Pfizer & Co., Inc. 2,702,262, Cl. 167—81.
- Bavley, Abraham, and C. J. Knuth, to Chas. Pfizer & Co., Inc. 2,706,202, Cl. 260—455.
- Baxendale, Roy: *See*—  
 Johnson, Arthur H., and Baxendale. 2,724,277.
- Baxley, William H.: *See*—  
 Copenhaver, James E., Biggs, Baxley, and Wise. 2,714,118.
- Baxter, Alexander S.: *See*—  
 Alexander, Paul, Baxter, and Boston. 2,706,762.
- Baxter, Bruce L., to Reynolds Metals Co. 2,703,978, Cl. 73—40.
- Baxter, Don, Inc.: *See*—  
 Cherkin, Arthur. 2,704,075.
- Baxter, Joe, Jr.: *See*—  
 Carlson, Arthur E., and Baxter. 2,699,813.
- Baxter, John E., to Parker Rust Proof Co. 2,715,083, Cl. 148—6.24.



- Baxter Laboratories, Inc.: *See*—  
 Bent, George R. 2,702,036.  
 Gewecke, Theodore H. 2,701,565.  
 Gewecke, Theodore H. 2,707,547.  
 Gewecke, Theodore H. 2,712,822.  
 Gewecke, Theodore H. 2,725,055.  
 Nesset, Naurice M., and Broman. 2,705,955.
- Baxter, Lewis L.: *See*—  
 Frye, Leonard F. 2,702,934.
- Baxter, Robert A.: *See*—  
 Smith, William A., Mattson, Meyer, and Baxter. 2,724,499.
- Baxter, Robert R.: *See*—  
 Schleyer, Victor, Henricks, and Baxter. 2,726,853.
- Baxter, William C., to Trimble, Inc. 2,720,437, Cl. 31—80.
- Bayard, Julius H., to Foster Wheeler Corp. 2,707,457, Cl. 122—1.
- Bayer, A. J., Co.: *See*—  
 Muller, Donald C. 2,705,073.
- Bayer, Elton A., and L. D. Langdon. 2,710,759, Cl. 280—47.33.
- Bayer, Matthew F., to Simmons Co. 2,710,412, Cl. 5—59.
- Bayerische Berg-, Hutten- und Salzwerke, A. G.: *See*—  
 Griesbach, Otto. 2,722,116.
- Bayes, Charles A., and H. B. Pyne, to Trico Products Corp. 2,719,047, Cl. 287—53.
- Bayha, Jack E., to Emerson Radio and Phonograph Corp. 2,707,356, Cl. 51—8.
- Bayha, Jack E., to Emerson Radio and Phonograph Corp. 2,712,172, Cl. 29—25.41.
- Bayhi, Joseph F., to Esso Research and Engineering Co. 2,706,011, Cl. 181—0.5.
- Bayley, John S. 2,718,198, Cl. 107—1.
- Bayliss, Francis J. 2,719,658, Cl. 223—94.
- Baylor, Arthur D., to Avco Mfg. Corp. 2,713,652, Cl. 315—27.
- Baymiller, John W., to Armstrong Cork Co. 2,699,577, Cl. 19—143.
- Baymiller, John W., to Armstrong Cork Co. 2,720,476, Cl. 154—49.
- Bayne, Donald E. 2,710,389, Cl. 340—27.
- Bayrer, Orson D., and N. W. Pinkham, to The Traveler's Insurance Co. 2,714,840, Cl. 92—73.
- Bayston, John R.: *See*—  
 Bayston, John R. 2,726,516.  
 Capehart, Thomas C., and McShan. 2,726,514.
- Bayston, John R., to J. R. Bayston, trustee, Icecrafter (Liquidating) Trust. 2,726,516, Cl. 62—105.
- Bazhaw, Willis O. 2,718,930, Cl. 181—5.
- Bazzell, Charly S. 2,703,658, Cl. 214—505.
- Beach, Clarence E., and W. P. Munger, to R. R. Stratton. 2,704,187, Cl. 235—61.12.
- Beach, Howard W., to Eclipse Air Brush Co. 2,699,958, Cl. 285—22.
- Beach, John G., to the United States of America as represented by the United States Atomic Energy Commission. 2,711,364, Cl. 41—42.
- Beach, John G., to the United States of America as represented by the Secretary of the Army. 2,727,856, Cl. 204—43.
- Beach, John G., W. C. Schickner, and C. L. Faust, to the United States of America as represented by the United States Atomic Energy Commission. 2,711,389, Cl. 204—32.
- Beach, Justice H., to The Hoover Co. 2,724,197, Cl. 38—77.
- Beach, Leland K.: *See*—  
 Young, David W., Cottle, and Beach. 2,710,877.
- Beach, Lennox F., to The Sperry Corp. 2,704,196, Cl. 248—358.
- Beach, Norman F.: *See*—  
 Carroll, Burt H., and Beach. 2,708,162.  
 Carroll, Burt H., and Beach. 2,716,062.
- Beach, Norman F., and F. W. Spangler, to Eastman Kodak Co. 2,704,716, Cl. 95—7.
- Beacham, Harry H., and I. M. Panik, to National Lead Co. 2,728,691, Cl. 117—138.
- Beacham Hydraulic Co. Ltd., The: *See*—  
 Beacham, Thomas E. 2,713,829.
- Beacham, Robert C., W. F. Butler, and W. H. Corcoran, to Cutter Laboratories. 2,698,619, Cl. 128—272.
- Beacham, Thomas E., to The Beacham Hydraulic Co. Ltd. 2,713,829, Cl. 103—173.
- Beachler, Edward D., to Beloit Iron Works. 2,709,398, Cl. 92—49.
- Beachler, Edward D., to Beloit Iron Works. 2,714,342, Cl. 92—53.
- Beacon Production Equipment Corp.: *See*—  
 Fenton, Frank W. 2,709,410.
- Beadle, John C. W. 2,721,716, Cl. 244—142.
- Beagle, Robert A. 2,703,115, Cl. 143—36.
- Beal, Philip F.: *See*—  
 Hogg, John A., Beal, and Lincoln. 2,707,184.  
 Hogg, John A., Beal, and Lincoln. 2,707,711.  
 Hogg, John A., Beal, and Lincoln. 2,715,621.
- Beal, Philip F., III, A. H. Nathan, and J. A. Hogg, to The Upjohn Co. 2,698,852, Cl. 260—397.1.
- Beale, Evelyn S. L., to International Standard Electric Corp. 2,722,604, Cl. 250—27.
- Beale, Noble R. 2,699,314, Cl. 248—309.
- Beall, Desmond: *See*—  
 Deans, Sidney A. V., Scarrow, and Beall. 2,711,988.
- Beals, Clem. 2,724,137, Cl. 15—4.
- Beals, Ernest L.: *See*—  
 Abramson, Bernard, and Beals. 2,708,195.
- Beam, Charles H.: *See*—  
 McCullough, Lowell O., Price, Beam, and Skinner. 2,725,172.
- Beam, Jon, to Universal Oil Products Co. 2,708,946, Cl. 137—527.8.
- Beaman, Townsend F.: *See*—  
 Haynes, Oliver J. 2,703,449.
- Beaman, Vern G., and R. C. Surratt. 2,712,764, Cl. 81—53.
- Beamer, Bernie E. 2,699,267, Cl. 214—86.
- Beames, Clare F. 2,706,359, Cl. 43—42.09.
- Beamish, Bernard D., to Honeycomb Co. of America, Inc. 2,722,735, Cl. 29—471.7.
- Bean, Fields R. 2,718,190, Cl. 101—126.
- Bean, Harry J. 2,706,585, Cl. 222—336.
- Bean, Louis A. 2,718,085, Cl. 43—24.
- Bean, William C. 2,699,329, Cl. 265—60.
- Bear Brand Hosiery Co.: *See*—  
 Buckreus, John C. 2,723,546.
- Bear Mfg. Co.: *See*—  
 Holaday, Harold O., and MacMillan. 2,722,828.  
 Martin, Sidney W. 2,702,432.  
 Schnoebelen, Earl L. 2,717,640.  
 South, Chester P. 2,704,474.
- Beard, Ernest G. 2,716,919, Cl. 88—16.6.
- Beard, Frederick A.: *See*—  
 Grodzinski, Paul, Beard, and Stern. 2,713,259.
- Beard, Lyle A., and H. R. Buskirk. 2,715,796, Cl. 51—3.
- Beard, Ralph L., to P. H. Hanes Knitting Co. 2,723,080, Cl. 2—113.
- Beard, Walter C., Jr., to The Risdon Mfg. Co. 2,723,055, Cl. 222—394.
- Bearden, Joseph M., to E. A. Serfass. 2,717,561, Cl. 108—30.
- Beardsell, Wallace A., to Monsanto Chemical Co. 2,718,513, Cl. 260—41.
- Beardsley, Clarence L.: *See*—  
 Beardsley, Joan E. and C. L. 2,702,076.
- Beardsley, Gale R., to International Harvester Co. 2,713,332, Cl. 123—41.28.
- Beardsley, Joan E. and C. L. 2,702,076, Cl. 155—133.
- Beare, Charles H., to General Motors Corp. 2,700,183, Cl. 18—53.
- Beare, Charles H., to General Motors Corp. 2,716,778, Cl. 18—53.
- Beare, Charles H., S. R. Carson, and R. L. Monbeck, to General Motors Corp. 2,707,017, Cl. 154—8.
- Beare, Charles H., S. R. Carson, and R. L. Monbeck, to General Motors Corp. 2,722,263, Cl. 154—8.
- Beare, Leonard E., to Sinclair Refining Co. 2,715,612, Cl. 252—46.6.
- Bearer, Louis C., to Phillips Petroleum Co. 2,714,059, Cl. 48—197.
- Bearer, Louis C., to Phillips Petroleum Co. 2,724,618, Cl. 302—17.
- Bearer, Louis C., to Phillips Petroleum Co. 2,727,792, Cl. 302—17.
- Bearer, Louis C., and R. R. Goins, to Phillips Petroleum Co. 2,726,996, Cl. 196—55.
- Bearinger, Van W., to Minneapolis-Honeywell Regulator Co. 2,713,150, Cl. 332—51.
- Beas, Bernard, and P. Kerny, to Societe des Usines Chimiques Rhone-Poulenc. 2,726,984, Cl. 167—69.
- Beasley, Don L., to Wood Bros., Inc. 2,698,704, Cl. 222—301.
- Beasley, Richard A.: *See*—  
 Semon, Howard W., and Beasley. 2,707,435.
- Beattie, Clare L., to General Electric Co. 2,712,624, Cl. 318—306.
- Beattie, Horace S., to International Business Machines Corp. 2,709,959, Cl. 101—93.
- Beattie Jet Products: *See*—  
 Beattie, Robert W. 2,714,301.  
 Levins, William J., Jr., and Muscott. 2,701,597.
- Beattie, Robert W., to Beattie Jet Products Inc. 2,714,301, Cl. 67—7.1.
- Beatty Bros. Ltd.: *See*—  
 Anderson, Harry M. 2,705,363.
- Beatty, David E. 2,719,061, Cl. 304—37.
- Beatty, John W. 2,714,195, Cl. 339—45.
- Beatty, Thomas M. 2,720,822, Cl. 94—46.
- Beauchair, John P. 2,711,451, Cl. 200—27.
- Beauchaine, Alvah D. 2,721,382, Cl. 30—45.
- Beauchamp, Wilfred A., to The Youngstown Steel Door Co. 2,722,898, Cl. 105—369.
- Beaudoux, Pierre E., and F. J. B. Berry. 2,725,945, Cl. 180—6.24.
- Beauloye, Alfred F., H., Jr., and M. 2,698,556, Cl. 90—15.
- Beauloye, Henry, Jr.: *See*—  
 Beauloye, Alfred F., and H., and M. 2,698,556.
- Beauloye, Max: *See*—  
 Beauloye, Alfred F., and H., and M. 2,698,556.
- Beaumont Birch Co.: *See*—  
 Hughes, William D. 2,706,136.  
 Pursel, Harold R. 2,701,166.
- Beausoleil, Pierre F. 2,704,002, Cl. 81—17.2.
- Beausoleil, Pierre F. 2,704,214, Cl. 279—121.
- Beautiful Bryans, Inc.: *See*—  
 Cobert, Arthur J. 2,710,528.
- Beaver, David J., R. S. Shumard, and P. J. Stoffel, to Monsanto Chemical Co. 2,713,036, Cl. 252—107.
- Beaver, David J., P. M. Downey, and J. O. Harris, to Monsanto Chemical Co. 2,713,047, Cl. 260—288.
- Beaver, Erick, to American Phenolic Corp. 2,711,524, Cl. 339—256.
- Beavers, Ellington M., and R. S. Urban, to Rohm & Haas Co. 2,727,870, Cl. 260—22.
- Bebb, Robert L., J. H. Musch, J. M. Willis, and V. A. Miller, to The Firestone Tire & Rubber Co. 2,702,285, Cl. 260—29.7.
- Beber, Samuel L., and J. H. Feig. 2,728,849, Cl. 240—78.



- Behinger, Jack E., to General Electric Co. 2,719,011, Cl. 241—46.
- Bechard, Conrad E., and W. P. Schoenoff, to General Electric Co. 2,711,791, Cl. 164—38.
- Bechen, Frank R.: *See*—  
Wiederhold, Joseph A., and Bechen. 2,725,657.  
Wiederhold, Joseph A., and Bechen. 2,725,658.
- Becher, Elisabeth M.: *See*—  
Bernhauer, Konrad E., and Becher. 2,698,828.
- Bechik, Michael, to Bechik Products, Inc. 2,703,415, Cl. 5—345.
- Bechik, Michael, to Bechik Products, Inc. 2,705,087, Cl. 218—14.
- Bechik Products, Inc.: *See*—  
Bechik, Michael. 2,703,415.  
Bechik, Michael. 2,705,087.
- Bechman, William O., to International Harvester Co. 2,723,767, Cl. 212—145.
- Bechman, William O., H. A. Land, D. B. Baker, and W. W. Henning, to International Harvester Co. 2,716,907, Cl. 74—720.5.
- Becht, Adolph. 2,712,151, Cl. 16—114.
- Bechtel, Robert J., to Hercules Powder Co. 2,716,631, Cl. 202—68.
- Bechtold, Max F.: *See*—  
Arnett, Lyda M., Jr., Bechtold, and Benson. 2,728,732.
- Bechtold, William: *See*—  
Feinstein, Robert R., and Bechtold. 2,703,777.
- Beck, Charles D.: *See*—  
Shaad, George E., Beck, and Gresham. 2,722,639.
- Beck, Clarence E. 2,719,730, Cl. 280—150.
- Beck, Cyrus. Re. 24,002, Cl. 121—41.
- Beck, Edwin H., to Manufacturers Supplies Co. Re. 23,982, Cl. 69—9.5.
- Beck, Gasper P.: *See*—  
Nydegger, Roland R., and Beck. 2,715,024.  
Schwartz, Morris A., and Beck. 2,698,694.
- Beck, Hans J., E. W. Ehn, K. E. Lohmiller, and E. F. Schmid, to Vereinigte Kugellagerfabriken, Aktiengesellschaft, 2,703,261, Cl. 308—18.
- Beck, Kenneth H., and W. A. Schreiner, to Wing Engineering Corp. 2,705,321, Cl. 343—206.
- Beck, Merrill G., to Lord Mfg. Co. 2,705,118, Cl. 248—10.
- Beck, Rudolf: *See*—  
Koch, Paul W., and Beck. 2,718,778.
- Beck, Theodore R., to E. I. du Pont de Nemours and Co. 2,706,169, Cl. 202—53.
- Beck, Warren R., and N. W. Taylor, to Minnesota Mining & Mfg. Co. 2,726,161, Cl. 106—47.
- Beck, William A.: *See*—  
Russell, John J., Beck, and Kollman. 2,724,526.
- Beck, William R., to Goodman Mfg. Co. 2,705,647, Cl. 280—111.
- Becke, Friedrich, and O. Flieg, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,719,160, Cl. 260—294.7.
- Becker, Abner. 2,721,336, Cl. 5—2.
- Becker, Anthony F. 2,722,841, Cl. 74—203.
- Becker, Benjamin. 2,705,952, Cl. 128—163.
- Becker, Carl: *See*—  
Tornquist, Earl L., and Becker. 2,727,085.
- Becker, Earl M., to Mine Safety Appliances Co. 2,724,463, Cl. 188—101.
- Becker, Earl M., and J. J. Bridge, to Mine Safety Appliances Co. 2,713,630, Cl. 240—11.3.
- Becker, Frederick W. 2,706,950, Cl. 103—38.
- Becker, Gustav: *See*—  
Fries, Karl W., and Becker. 2,708,177.
- Becker, Hans. 2,728,255, Cl. 82—19.
- Becker, Helmut, O. Bender, L. Bergmann, K. Rost, and A. Zobel, to Ernst Leitz, G. m. b. H. 2,728,222, Cl. 73—105.
- Becker, Henry C. 2,726,469, Cl. 43—3.
- Becker, Hermann. 2,699,035, Cl. 59—80.
- Becker, Marcelis. 2,717,766, Cl. 257—6.
- Becker, Otto A. 2,707,666, Cl. 312—319.
- Becker, Paul. 2,704,071, Cl. 128—215.
- Becker, Philip D., to United-Carr Fastener Corp. 2,703,604, Cl. 155—196.
- Becker, Philip D., to United-Carr Fastener Corp. 2,703,742, Cl. 311—112.
- Becker, Philip D., to United-Carr Fastener Corp. 2,704,870, Cl. 24—73.
- Becker, Philip D., to United-Carr Fastener Corp. 2,709,830, Cl. 16—42.
- Becker, Robert E., to Logansport Machine Co., Inc. 2,714,522, Cl. 292—256.6.
- Becker, Rodger F. 2,716,701, Cl. 240—54.
- Becker, Rudolf: *See*—  
Wucherer, Johannes, and Becker. 2,712,738.
- Becker, Rudolf. 2,715,820, Cl. 62—175.5.
- Becker, Rudolf, and J. Wucherer, to Gesellschaft Fuer Linde's Eismaschinen A. G. 2,728,205, Cl. 62—122.
- Becker, Simon M., to National Dryer Mfg. Corp. 2,714,151, Cl. 219—39.
- Becker, Victor I. 2,723,397, Cl. 2—42.
- Becker, Walter, to Anstalt Unda. 2,714,744, Cl. 18—14.
- Beckerman, Louis, to M. Beckerman & Sons, Inc. 2,711,034, Cl. 36—16.
- Beckerman, M., & Sons, Inc.: *See*—  
Beckerman, Louis. 2,711,034.
- Beckers, Albert E., to Allen B. Du Mont Laboratories, Inc. 2,723,361, Cl. 313—73.
- Beckes, Lloyd M., to American Smelting and Refining Co. 2,708,298, Cl. 22—78.
- Beckett, John C., and W. W. Hicks, to Ionaire, Inc. 2,727,978, Cl. 219—34.
- Beckett, John S., and W. J. Marenus, to Aseptic Thermo Indicator Co. 2,716,065, Cl. 99—192.
- Beckham, Leonard F.: *See*—  
Radin, Harry M., and L. F. and W. C. Beckham. 2,701,658.  
Radin, Harry M., and L. F. and W. C. Beckham. 2,709,011.
- Beckham, Robert R., to Libbey-Owens-Ford Glass Co. 2,711,560, Cl. 18—19.
- Beckham, William C.: *See*—  
Radin, Harry M., and L. F. and W. C. Beckham. 2,701,658.  
Radin, Harry M., and L. F. and W. C. Beckham. 2,709,011.
- Becking, Edward P.: *See*—  
King, Robert C., Schampel, and Becking. 2,722,958.
- Becking, Hermann. 2,703,175, Cl. 209—223.
- Beckman Instruments, Inc.: *See*—  
Arthur, Edwin P. 2,705,220.  
George, Kenyon P., and Stickney. 2,705,440.  
Gilbert, Paul T., Jr. 2,714,833.  
Hare, George H., and Molloy. 2,724,798.  
Sample, Robert E. 2,710,328.
- Beckman, John W. 2,718,453, Cl. 23—2.
- Beckstrand, Anna A. 2,721,927, Cl. 219—29.
- Beckwith, Raymond A., to Koehring Co. 2,728,463, Cl. 212—38.
- Beckwith, Robert W., to General Electric Co. 2,712,600, Cl. 250—27.
- Beckwith, Sterling, to Allis-Chalmers Mfg. Co. 2,716,727, Cl. 322—28.
- Becton, Dickinson and Co.: *See*—  
Becton, Henry P. 2,699,670.  
Dickinson, Fairleigh S., Jr., and Krug. 2,699,166.  
Douglas, Marvin L. 2,706,761.  
Dunnican, Ward G. 2,711,171.  
Kendall, Charles O. 2,720,969.  
Krug, Albert E. 2,701,566.  
May, Edwin A. 2,722,931.  
Molinari, Henry G. 2,706,584.
- Becton, Henry P., to Becton Dickinson and Co. 2,699,670, Cl. 73—1.
- Bede, James A. 2,727,786, Cl. 299—86.
- Bedell, Karl L.: *See*—  
Hollingsworth, John H., and Bedell. 2,719,666.
- Bederson, Benjamin, to the United States of America as represented by the Secretary of the Navy. 2,706,256, Cl. 307—96.
- Bedford, Alda V., to Radio Corp. of America. 2,708,257, Cl. 318—18.
- Bedford, Alda V., to Radio Corp. of America. 2,728,812, Cl. 178—5.4.
- Bedford, Beryl A., and H. M. Andrews. 2,725,017, Cl. 104—104.
- Bedford, Leslie H., to Marconi's Wireless Telegraph Co., Ltd. 2,719,247, Cl. 315—10.
- Bedford, William A., Jr., to United-Carr Fastener Corp. 2,700,805, Cl. 24—30.5.
- Bedford, William A., Jr., to United-Carr Fastener Corp. 2,704,680, Cl. 287—20.5.
- Bedford, William A., Jr., to United-Carr Fastener Corp. 2,709,286, Cl. 24—73.
- Bedford, William A., Jr., to United-Carr Fastener Corp. 2,713,284, Cl. 85—5.
- Bedford, William A., Jr., to United-Carr Fastener Corp. 2,715,250, Cl. 20—69.
- Bedford, William A., Jr., to United-Carr Fastener Corp. 2,715,350, Cl. 85—36.
- Bedker, Emma G.: *See*—  
Bedker, Leo W. 2,699,077.
- Bedker, Leo W. 2,701,484, Cl. 80—5.1.
- Bedker, Leo W.,  $\frac{1}{2}$  to E. G. Bedker. 2,699,077, Cl. 76—101.
- Bednarczuk, Daniel: *See*—  
Bixby, Lawrence B., and Bednarczuk. 2,715,930.
- Bednarek, Richard E.: *See*—  
Titus, Charles H., and Bednarek. 2,717,293.
- Bedit, William C., Jr.: *See*—  
Montagna, Amelio E., and Bedit. 2,721,881.
- Bedson, Noel P., to Blaw-Knox Co. 2,701,016, Cl. 164—61.
- Bedwell, Floyd B.: *See*—  
Young, Walter L., Douglas, Stengl, and Bedwell. 2,723,659.
- Bee, Ernest K.: *See*—  
Brent, George D., and Bee. 2,720,855.
- Bee and Gee Mfg. Co., Inc.: *See*—  
McCartan, Thomas. 2,725,272.
- Bee, William C., to Palmer-Bee Co. 2,726,753, Cl. 198—84.
- Beebe, Murray C., Jr., to Hughes Aircraft Co. 2,720,749, Cl. 60—35.6.
- Beech Aircraft Corp.: *See*—  
Pelley, Perry H. 2,717,792.  
Pelley, Perry H. 2,723,426.
- Beecham Research Laboratories Ltd.: *See*—  
Holland, David O. 2,717,252.  
Holland, David O. 2,717,253.
- Beede, Arnold H.: *See*—  
Lampe, Robert C., Beede, Allen, and Cawl. 2,724,456.
- Beegle, Lindley C.: *See*—  
Hook, Edwin O., and Beegle. 2,717,241.
- Beegle, Raymond E. 2,719,562, Cl. 153—54.



- Beekley, Henry L., to Electrimatic Co. 2,715,009, Cl. 251—61.  
 Bee-Line Co.: *See*—  
   Smith, Roy D. 2,718,913.  
 Beem, Marvel D., and J. E. Urbany; said Urbany assor. to said Beem. 2,699,772, Cl. 128—33.  
 Beeman, Carl. 2,716,570, Cl. 294—22.  
 Beemer, Paul K.: *See*—  
   Stelle, Allen M., Beemer, and Fuchs. 2,717,590.  
 Beer, Albert C.: *See*—  
   Willardson, Robert K., Beer, and Middleton. 2,719,253.  
 Beer, Julius, to Ph. Kurtz Eisenwerk. 2,705,024, Cl. 139—109.  
 Beer, Palle F., to Svenska Aktiebolaget Gasaccumulator. 2,728,003, Cl. 310—113.  
 Beers, Gerardus M. P. A., to Hartford National Bank and Trust Co., as trustee. 2,721,314, Cl. 339—276.  
 Beers, Max I.: *See*—  
   Newton, John C., and Beers. 2,724,564.  
 Beers, Roy A., to Radio Corp. of America. 2,715,180, Cl. 250—20.  
 Beers, Roy A., Jr., and W. L. Gensel, to Radio Corp. of America. 2,713,634, Cl. 250—20.  
 Beers, Roy A., Jr., and J. R. Neubauer, to Radio Corp. of America. 2,726,325, Cl. 250—6.  
 Beese, Norman C., to Westinghouse Electric Corp. 2,721,285, Cl. 313—25.  
 Beeson, Clement T.: *See*—  
   Murdock, Forrest L., Sr., Boggs, and Beeson. 2,726,009.  
 Beeson, Clement T., to Plastic Products Corp. 2,717,421, Cl. 18—17.  
 Beeson, Eric J. G.: *See*—  
   Webb, Alan A., and Beeson. 2,727,187.  
 Beeson, Martin L., ½ to W. D. Sellers. 2,707,897, Cl. 85—2.  
 Be-Gu Mfg. Co.: *See*—  
   Curllett, John. 2,708,909.  
   White, John A., Jr. 2,720,716.  
   White, John A., Jr., and Conroy. 2,726,464.  
 Beggs, Donald, to Surface Combustion Corp. 2,712,981, Cl. 23—150.  
 Begley, William F. 2,706,325, Cl. 29—21.  
 Begun, Semi J., to Clevite Corp. 2,722,676, Cl. 340—174.  
 Begun, Semi J., and A. P. Dank, to Clevite Corp. 2,708,694, Cl. 179—100.2.  
 Behlen, Adolph F. 2,726,895, Cl. 299—49.  
 Behme, Hermann W.: *See*—  
   Lapple, Walter C., and Behme. 2,715,018.  
 Behn, Albert W., and C. C. Cobb, to Socony-Vacuum Oil Co., Inc. 2,726,379, Cl. 340—259.  
 Behn, Eric R., to Control Instrument Co., Inc. 2,715,721, Cl. 340—253.  
 Behnisch, Robert, F. Mietzsch, and H. Schmidt, to Schenley Industries, Inc. 2,719,161, Cl. 260—294.8.  
 Behnke, Albert F., to The Yale & Towne Mfg. Co. 2,707,121, Cl. 292—228.  
 Behnke, Everett. 2,714,913, Cl. 152—213.  
 Behr, Herbert R.: *See*—  
   Rhyne, Earl C., Jr., and Behr. 2,722,646.  
 Behr, Herbert R., and E. C. Rhyne, to Cline Electric Mfg. Co. 2,719,255, Cl. 318—229.  
 Behrens, Warren V.: *See*—  
   Stringfield, Theodore W., Spaulding, Stevens, and Behrens. 2,725,526.  
 Behringer, Alfred C., to Publication Corp. 2,717,550, Cl. 101—157.  
 Behrmann, Herwart, to Askania-Werke A. G. 2,705,373, Cl. 33—147.  
 Behr-Manning Corp.: *See*—  
   Hansen, Lester A. 2,699,791.  
 Beichel, Rudi: *See*—  
   Schuler, Albert E., and Beichel. 2,710,537.  
 Beidler, Edward A.: *See*—  
   Graham, Marion E., and Beidler. 2,702,738.  
 Bejer, Josef. 2,698,526, Cl. 64—1.  
 Beier, Kurt A., to Schwitter-Cummins Co. 2,702,087, Cl. 170—173.  
 Beil, Forrest F.: *See*—  
   Patton, Edward A., and Beil. 2,719,328.  
 Beinert, Helmut: *See*—  
   Green, David E., and Beinert. 2,713,577.  
 Beinhorn, Vernon E. 2,722,287, Cl. 186—1.  
 Bek, Inc.: *See*—  
   Eaton, Millard B. 2,704,443.  
 Bekker, Mieczyslaw G., to Her Majesty the Queen in the right of Canada as represented by the Minister of National Defence. 2,708,608, Cl. 305—10.  
 Bekker, Mieczyslaw G., to Her Majesty the Queen in the right of Canada as represented by the Minister of National Defence. 2,726,904, Cl. 305—10.  
 Belaieff, James F., to Societe Anonyme des Usines Jean Galay. 2,723,550, Cl. 68—184.  
 Belasco, Irvin J., and K. E. Walker, to E. I. du Pont de Nemours and Co. 2,718,467, Cl. 99—2.  
 Belcher, Foy C. 2,712,195, Cl. 43—42.5.  
 Belcher, Harold H., and H. F. Creegan, to Rodney Hunt Machine Co. 2,706,391, Cl. 68—177.  
 Belding, Howard F. 2,706,057, Cl. 214—392.  
 Beldt, Lauren F., and D. M. Lewis, to Collins Radio Co. 2,716,896, Cl. 74—10.2.  
 Beler, Robert J. 2,727,723, Cl. 254—135.  
 Belew, Leland W., to Herring-Hall-Marvin Safe Co. 2,722,179, Cl. 109—19.  
 Belew, Leland W., to Herring-Hall-Marvin Safe Co. 2,723,177, Cl. 312—322.  
 Belfer, Edward. 2,725,887, Cl. 135—5.  
 Belford, Dale: *See*—  
   Swadburgh, Samuel B. 2,710,462.  
   Thompson, Thomas F. 2,710,343.  
 Belgard, Austin B. 2,712,774, Cl. 88—41.  
 Belisle, Adalard J., to The Berkline Corp. 2,709,480, Cl. 155—116.  
 Belitz, Hans G.: *See*—  
   Davis, Oliver F., and Belitz. 2,728,321.  
 Belk, Wilber C., to Food Machinery and Chemical Corp. 2,713,434, Cl. 214—711.  
 Bell Aircraft Corp.: *See*—  
   Cannon, Joseph A., and Fletcher. 2,702,169.  
   Duppstadt, Jay R. 2,710,047.  
   Linnabery, George H. 2,702,170.  
   Trotter, John C., and Dufort. 2,699,300.  
   Woods, Robert J. 2,709,947.  
 Bell, Alan, M. B. Knowles, and C. E. Tholstrup, to Eastman Kodak Co. 2,725,391, Cl. 260—398.5.  
 Bell, Alan, C. E. Tholstrup, and G. R. Lappin, to Eastman Kodak Co. 2,728,784, Cl. 260—398.5.  
 Bell, Bernard E. 2,719,557, Cl. 150—38.  
 Bell, Charles C., to Universal Winding Co. 2,699,033, Cl. 57—135.  
 Bell, Edward M. 2,721,384, Cl. 30—91.  
 Bell, Edward R.: *See*—  
   Rust, Frederick F., and Bell. 2,717,264.  
   Van Winkle, John L., Bell, and Morris. 2,712,029.  
 Bell, Edward R., and R. E. Thorpe, to Shell Development Co. 2,708,204, Cl. 260—429.  
 Bell, George C. 2,705,025, Cl. 139—159.  
 Bell, George W., to Northwestern Steel and Wire Co. 2,703,550, Cl. 118—72.  
 Bell, George W., to Northwestern Steel and Wire Co. 2,703,686, Cl. 242—82.  
 Bell & Gossett Co.: *See*—  
   Birkemeier, Henry P. 2,699,259.  
   Carlson, Gilbert F., and Lockhart. 2,701,581.  
   Tidd, Edwin B. 2,699,760.  
 Bell, Harry G., and J. D. Gay, Jr., to Gay-Bell Corp. 2,712,407, Cl. 226—71.  
 Bell, Howard C., and M. R. Burgoon. 2,717,644, Cl. 166—117.  
 Bell & Howell Co.: *See*—  
   Badalich, Frank C. 2,724,989.  
   Bennett, Frank P. 2,724,990.  
   Cox, Arthur. 2,720,813.  
   Meilberg, Frank W. 2,720,815.  
   Sandback, Irving C. 2,720,814.  
   Sandback, Irving C. 2,720,816.  
 Bell, James, to General Electric Co. 2,708,247, Cl. 313—175.  
 Bell, Jerome: *See*—  
   Poston, Blanch, and Bell. 2,700,390.  
 Bell, John E.: *See*—  
   Blackman, Stuart B., and Bell. 2,705,397.  
   Chelgren, Arvid E., Bell, and White. 2,700,729.  
 Bell, John, to Muirhead & Co. Ltd. 2,726,382, Cl. 340—315.  
 Bell, John E., and B. A. Peaster, to The Bristol Aeroplane Co. Ltd. 2,709,499, Cl. 183—62.  
 Bell, John F.: *See*—  
   Chelgren, Arvid E., Bell, and Matthews. 2,726,334.  
 Bell, John L. 2,712,937, Cl. 272—53.1.  
 Bell, Joseph L., to Portable Tables, Inc. 2,715,558, Cl. 311—90.  
 Bell, Kenneth, and G. N. Fisher, to Kraft Foods Co. 2,699,285, Cl. 229—51.  
 Bell, Lawrence S. 2,722,328, Cl. 215—98.  
 Bell, Leo R., G. Panuline, and L. Strauss, to American Machine & Foundry Co. 2,724,426, Cl. 154—42.  
 Bell, Manual P. 2,712,725, Cl. 58—6.  
 Bell, Niall A. R.: *See*—  
   Whetstone, John, and Bell. 2,720,446.  
 Bell, Ralph E.: *See*—  
   Ford, James A., and Bell. 2,720,919.  
   Ford, Ledger D., and Bell. 2,705,566.  
 Bell, Ralph E., to Kircho Co. 2,720,373, Cl. 248—262.  
 Bell, Richard A., to Philco Corp. 2,727,140, Cl. 250—20.  
 Bell, Robert J., and R. L. Courson. 2,720,922, Cl. 161—15.  
 Bell, Sidney R., to I. J. Moritt. 2,706,955, Cl. 112—193.  
 Bell, Sidney R., to I. J. Moritt. 2,723,638, Cl. 112—260.  
 Bell Telephone Laboratories, Inc.: *See*—  
   Ames, George W., and Herrington. 2,699,133.  
   Anderson, Alva E. 2,706,263.  
   Anderson, Alva E. 2,706,264.  
   Anderson, Alva E. 2,708,720.  
   Anderson, Attell B. 2,703,344.  
   Anderson, Attell B. 2,716,164.  
   Anderson, Frederic W. 2,722,655.  
   Anderson, John R. 2,717,372.  
   Anderson, John R. 2,717,373.  
   Andrews, Frederick T., Jr. 2,715,656.  
   Andrews, Frederick T., Jr. 2,715,657.  
   Ashenhurst, Robert L. 2,724,103.  
   Avery, Robert C. 2,715,996.  
   Avery, Robert C. 2,721,903.  
   Avery, Robert C. 2,721,910.  
   Babcock, Wallace C. 2,706,779.  
   Bachelet, Albert E. 2,700,146.  
   Bachelet, Albert E., and Pullis. 2,719,960.  
   Bangert, John T. 2,710,944.  
   Bangert, John T. 2,728,053.  
   Bangert, John T., and Green. 2,726,368.  
   Barber, Charles C. 2,727,103.  
   Barney, Harold L. 2,701,309.  
   Barstow, John M., Jr. 2,719,289.



Bell Telephone Laboratories, Inc.: *See*—Continued.

Bennett, William R., and Feldman. 2,719,189.  
 Best, Fred H. 2,706,366.  
 Bjornson, Bjorn G. 2,706,221.  
 Björnson, Björn G. 2,706,222.  
 Blackman, Ralph B., and Bode. 2,710,720.  
 Bond, Walter L. 2,724,663.  
 Bowen, Arnold E. 2,701,344.  
 Bowen, Arnold E., and Mumford. 2,701,341.  
 Braga, Felix J. 2,721,937.  
 Brewer, Sherman T. 2,706,756.  
 Brewer, Sherman T. 2,724,745.  
 Brewer, Sherman T., Keenstra, and Ritchie. 2,724,744.  
 Bruce, Edmond, and Reenstra. 2,724,746.  
 Cahill, Harold D. 2,727,092.  
 Cesareo, Orfeo. 2,728,074.  
 Chestnut, Roy W. 2,724,742.  
 Chick, Arthur J., and Speck. 2,708,787.  
 Cisne, Luther E. 2,724,216.  
 Cisne, Luther E. 2,724,761.  
 Clogston, Albert M. 2,276,328.  
 Cutler, Cassius C. 2,724,740.  
 Dahlbom, Carl A., and Weaver. 2,710,892.  
 Dehn, Joseph W. 2,709,771.  
 Dimond, Thomas L. 2,722,603.  
 Doba, Stephen, Jr. 2,701,358.  
 Dorff, Louis A. 2,721,935.  
 Dubuar, Arthur S., and Riddell. 2,719,881.  
 Duncan, Robert S., and Stone. 2,722,664.  
 Dunlap, Kermit S. 2,713,617.  
 Dunlap, Kermit S., and Lovell. 2,715,658.  
 Edson, William A. 2,698,923.  
 Edson, William A. 2,710,945.  
 Edson, William A., and Lange. 2,720,629.  
 Eglin, James M. 2,717,956.  
 Eich, Norbert J. 2,701,392.  
 Erving, Charles H., Jr. 2,719,775.  
 Field, Lester M. 2,712,605.  
 Field, Lester M. 2,725,499.  
 Fisher, Earl L. 2,724,793.  
 Fitch, Karl E., Neiswinter, Purvis, and Vanderlippe. 2,710,891.  
 Foster, Orrington C. 2,716,622.  
 Fox, Arthur G. 2,701,342.  
 Fuller, Calvin S. 2,725,315.  
 Fuller, Calvin S. 2,725,316.  
 Gannett, Danforth K. 2,719,272.  
 Goddard, Charles T. 2,719,246.  
 Goodall, William M. 2,720,557.  
 Goss, Frank A., Jr. 2,706,781.  
 Graham, Robert E. 2,723,355.  
 Hale, Stuart G., and Nuttman. 2,717,984.  
 Hall, Nathan I., Korn, and Powell. 2,714,632.  
 Harkless, Earl T. 2,718,622.  
 Harris, James R. 2,718,613.  
 Harris, James R. 2,724,780.  
 Haskell, Frederic V., Sutton, and Walter. 2,703,218.  
 Haynes, James R. 2,702,838.  
 Haynes, James R., and Heidenreich. 2,722,490.  
 Head, George A., and Norton. 2,702,186.  
 Hensel, Waldo G. 2,706,783.  
 Hewitt, William H., Jr. 2,714,182.  
 Hines, Marion E. 2,710,922.  
 Holden, Lawrence T. 2,705,472.  
 Hopper, Andrew L. 2,701,305.  
 Hopper, Andrew L. 2,721,980.  
 Hopper, Andrew L. 2,725,555.  
 Houtz, Charles C., and McLean. 2,716,721.  
 Kannenberg, Walter F. 2,713,153.  
 Kannenberg, Walter F., and Wilson. 2,720,630.  
 Karnaugh, Maurice. 2,719,773.  
 Karnaugh, Maurice. 2,719,961.  
 Karnaugh, Maurice. 2,719,962.  
 Ketchledge, Raymond W. 2,718,270.  
 Ketchledge, Raymond W. 2,726,074.  
 Kinsley, Thomas G. 2,714,642.  
 Kinsley, Thomas G. 2,727,191.  
 Kircher, Raymond J. 2,709,780.  
 Kircher, Raymond J. 2,709,787.  
 Kleimack, Joseph J. 2,725,317.  
 Kleimack, Joseph J., and Trent. 2,705,768.  
 Kock, Winston E. 2,701,617.  
 Kock, Winston E. 2,712,067.  
 Krom, Myron E. 2,706,749.  
 Kuhn, John J., Jr., and Watrous. 2,727,308.  
 Lange, Russell W. 2,701,343.  
 Lewis, Willard D. 2,705,754.  
 Linvill, John G., and Wallace. 2,726,370.  
 Little, John B. 2,716,202.  
 Llewellyn, Frederick B. 2,720,627.  
 Locke, George A. Re. 23,990.  
 Locke, George A., Melhuish, and Ostendorf. 2,714,626.  
 Logan, Ralph A., and Sparks. 2,698,780.  
 Lovell, Clarence A. 2,717,280.  
 Lovell, Clarence A., and McGuigan. 2,701,279.  
 Lovell, Clarence A., and Murphy. 2,706,223.  
 MacWilliams, Walter H., Jr., and Ong. 2,726,330.  
 Malthaner, William A., and Vaughan. 2,713,613.  
 Malthaner, William A., and Vaughan. 2,723,311.  
 Mason, Warren P. 2,706,326.  
 Mason, Warren P. 2,711,515.  
 Matlack, Richard C., and Metzger. 2,717,279.  
 Mattke, Charles F. 2,718,549.  
 McGuigan, John H., and Murphy. 2,723,312.

Bell Telephone Laboratories, Inc.: *See*—Continued.

McGuigan, John H., Murphy, and Newby. 2,700,148.  
 McGuigan, John H., and Vaughan. 2,719,964.  
 McKay, Kenneth G. 2,724,771.  
 McKim, Burton, and Neely. 2,721,235.  
 McLean, David A., and Wehe. 2,709,663.  
 McSkimin, Herbert J. 2,707,391.  
 McSkimin, Herbert J. 2,727,214.  
 Melsheimer, Robert S. 2,710,921.  
 Mendenhall, Hallam E. 2,700,626.  
 Michal, Joseph, and Staehler. 2,722,675.  
 Miller, Ralph L. 2,705,742.  
 Miller, Stewart E. 2,701,340.  
 Mills, John K., and Ross. 2,706,258.  
 Miloche, Herman A. 2,715,922.  
 Mumford, William W. 2,706,782.  
 Mumford, William W. 2,706,784.  
 Newby, Neal D. 2,701,357.  
 O'Connor, Thomas J., and Williams. 2,714,000.  
 Oliver, Bernard M. 2,701,274.  
 Oliver, Bernard M. 2,708,750.  
 Oliver, Bernard M. 2,721,900.  
 Oliver, Bernard M. 2,725,424.  
 Pfann, William G. 2,717,342.  
 Pfann, William G., and Theuerer. 2,701,326.  
 Pfeiffer, Kenneth W. 2,700,133.  
 Pierce, John R. Re. 24,070.  
 Pierce, John R. 2,707,759.  
 Pierce, John R. 2,708,236.  
 Pierce, John R. 2,719,187.  
 Pierce, John R. 2,719,188.  
 Pietenpol, William J. 2,711,511.  
 Pitt, Robert S. 2,716,160.  
 Power, James R. 2,716,232.  
 Quate, Calvin F. 2,708,727.  
 Quate, Calvin F. 2,726,291.  
 Raisbeck, Gordon. 2,719,190.  
 Raisbeck, Gordon, and Wallace. 2,713,665.  
 Rea, Wilton T. 2,728,906.  
 Reck, Frank. 2,725,198.  
 Reise, Herman A. 2,698,922.  
 Rose, Charles F. P. 2,728,051.  
 Rosene, Victor E. 2,709,722.  
 Schneekloth, Harry H. 2,721,897.  
 Sears, Raymond W. 2,713,650.  
 Shockley, William. 2,714,702.  
 Shockley, William. 2,716,729.  
 Shoffstall, Hugh F. 2,719,886.  
 Smith, Phillip H. 2,718,592.  
 Sparks, Morgan. 2,727,839.  
 Staples, Elliot M. 2,718,589.  
 Straube, Harold M. 2,708,748.  
 Taylor, Edmund R. 2,704,325.  
 Teal, Gordon K. 2,703,296.  
 Teal, Gordon K. 2,727,840.  
 Tillotson, Le Roy C. 2,724,806.  
 Townes, Charles H. 2,701,098.  
 Townes, Charles H. 2,707,231.  
 Townes, Charles H. 2,707,235.  
 Townsend, Mark A. 2,702,457.  
 Vroom, Edward. 2,723,308.  
 Weeks, John R., Jr. 2,712,112.  
 Wells, Herbert A. 2,700,808.  
 Wenk, Howard A. 2,699,529.  
 Willard, Gerald W. 2,723,556.  
 Winslow, Field H. 2,712,536.  
 Wrathall, Leishman R. 2,703,368.  
 Ziegler, Arthur W. 2,709,147.  
 Bell, William C., to The Hoover Co. 2,718,135, Cl. 68—131.  
 Bellamy, Albert W.: *See*—  
     Getting, Ivan A., and Bellamy. 2,710,352.  
 Bellamy, Clifford A. 2,723,734, Cl. 190—41.  
 Bellamy, John C., to Cook Electric Co. 2,717,120, Cl. 235—61.  
 Bellamy, John G., Jr.: *See*—  
     Martens, Charles R., and Bellamy. 2,699,407.  
 Bellamy, John I.: *See*—  
     Hemming, Paul W., and Bellamy. 2,700,071.  
 Bellamy, John I., and P. W. Hemming, to International Telephone and Telegraph Corp. 2,715,719, Cl. 340—163.  
 Bellamy, John I., and T. L. Bowers, to International Telephone and Telegraph Corp. 2,725,428, Cl. 179—18.  
 Bellarts, Henry J.: *See*—  
     Lowe, Paul E., and Bellarts. 2,716,530.  
 Bellavance, Harold P., to United Findings Co. Inc. 2,723,547, Cl. 67—71.  
 Belle City Malleable Iron Co.: *See*—  
     Anderson, Russell J. 2,723,768.  
 Belle Fons Chemical Corp.: *See*—  
     Irvine, Robert L. 2,721,562.  
 Belle, Louis: *See*—  
     Martinez, Daniel G. 2,717,708.  
 Beller, Hans, and W. A. Hosmer, to General Aniline & Film Corp. 2,706,701, Cl. 167—70.  
 Bellett, Ettie B., 50% each to I. R. Goshaw and R. D. Collins. 2,711,541, Cl. 2—206.  
 Bellgrau, George R., to Nachman Corp. 2,708,757, Cl. 5—260.  
 Bellgrau, George R., to Nachman Corp. 2,726,409, Cl. 5—266.  
 Bellier, Jean: *See*—  
     Coyne, André, and Bellier. 2,720,112.  
 Bellini, Eugene, to Vanity Fair Mills, Inc. 2,700,285, Cl. 66—86.  
 Bellman, David J.: *See*—  
     Lutz, Irvin H., Collier, and Bellman. 2,717,231.



- Bellott, Emile M., to Westinghouse Electric Corp. 2,723,926, Cl. 148—115.
- Bellringer, Frederick J., T. Bewley, and R. H. Smith, to The Distillers Co. Ltd. 2,704,298, Cl. 260—602.
- Belmar Electric Corp.: *See*—
- Schmocker, Karl C. 2,714,637.
  - Schmocker, Karl C. 2,714,638.
  - Schmocker, Karl C. 2,714,639.
- Belmont, Edward A. 2,701,605, Cl. 155—165.
- Belmont Throwing Co.: *See*—
- Brooks, George W. 2,725,714.
- Beloit Iron Works: *See*—
- Beachler, Edward D. 2,709,398.
  - Beachler, Edward D. 2,714,342.
  - Goodwillie, John E. 2,717,037.
  - Goodwillie, John E. 2,718,825.
  - Hornbostel, Lloyd. 2,699,096.
  - Hornbostel, Lloyd. 2,714,538.
  - Hornbostel, Lloyd. 2,718,180.
  - Hornbostel, Lloyd. 2,718,824.
  - Hornbostel, Lloyd. 2,719,065.
- Below, Robert F.: *See*—
- Krauss, Wolfgang W., and Below. 2,724,465.
- Belperche, Albert. 2,722,441, Cl. 291—39.
- Belrug Mills of South Carolina: *See*—
- Morgan, Clarence L. 2,714,397.
  - Morgan, Clarence L. 2,714,398.
- Belser, Carl. 2,725,939, Cl. 166—57.
- Belski, Edward J. 2,726,454, Cl. 33—174.
- Belt Corp., The: *See*—
- Belt, Vernon C. 2,712,869.
- Belt, Robert H.: *See*—
- Blatz, William J., Belt, and Miller. 2,725,203.
- Belt, Vernon C., to The Belt Corp. 2,712,869, Cl. 198—118.
- Beltman, George C. 2,727,595, Cl. 189—34.
- Beltman, George C., and S. A. Meredith. 2,707,230, Cl. 246—240.
- Beltz, William A. 2,726,772, Cl. 211—148.
- Belyeu, Fred, to Geo. E. Keith Co. 2,721,401, Cl. 36—16.
- Belyeu, Henry, to D. M. Simmans. 2,722,966, Cl. 155—41.
- Beman, Floyd L., to The Dow Chemical Co. 2,716,663, Cl. 260—559.
- Bemis Bro. Bag Co.: *See*—
- Fox, Harold K. 2,715,004.
  - Hayward, Claude E., and Gorton. 2,701,989.
  - Hoepfner, Arthur D. 2,709,467.
  - Kindseth, Harold V. 2,703,671.
  - Kindseth, Harold V. 2,712,292.
  - Kindseth, Harold V. 2,712,406.
  - Kindseth, Harold V. 2,716,852.
  - Kindseth, Harold V. 2,722,361.
  - Kindseth, Harold V., and Fox. 2,718,201.
  - Kindseth, Harold V., and Merrifield. 2,727,713.
  - Ottinger, August F., and Pierce. 2,712,843.
  - Quinn, James L. 2,713,370.
  - Williams, Russell J., and Heimos. 2,716,372.
- Bemiss, Robert P., to Baljak Corp. 2,718,998, Cl. 229—35.
- Benander, George B., to General Electric Co. 2,700,142, Cl. 339—99.
- Benander, George B., to General Electric Co. 2,705,785, Cl. 339—164.
- Benander, George B., to General Electric Co. 2,705,787, Cl. 339—255.
- Benander, George B., to General Electric Co. 2,718,626, Cl. 339—266.
- Benander, George B., to General Electric Co. 2,723,385, Cl. 339—263.
- Benchoff, Clara E.: *See*—
- Sheldrick, Mabel, and Benchoff. 2,705,803.
- Bencivengo, Anthony J.: *See*—
- Rabkin, William, and Bencivengo. 2,703,664.
- Bencowitz, Isaac, to Texas Gulf Sulphur Co. 2,705,671, Cl. 23—278.
- Bendar, Arthur Z., to Eastman Oil Well Survey Co. 2,719,485, Cl. 102—20.
- Bender, Charles E., to Virtis Co., Inc. 2,728,459, Cl. 210—155.
- Bender, Frank M., and C. F. Muller. 2,704,871, Cl. 24—77.
- Bender, John C. 2,715,844, Cl. 77—5.
- Bender, Lloyd F. 2,726,408, Cl. 5—222.
- Bender, Norman O., Jr.: *See*—
- Farrow, Frederick R., Jr., and Bender. 2,698,902.
- Bender, Oswald: *See*—
- Becker, Helmut, Bender, Bergmann, Rost, and Zobel. 2,728,222.
- Bender, Welcome W., J. D. Rauth, H. W. Merrill, and U. W. Richardson, to The Glenn L. Martin Co. 2,719,685, Cl. 244—139.
- Bendix Aviation Corp.: *See*—
- Alexanderson, Howard A., and Wheeler. 2,727,578.
  - Anastasia, Harry G. 2,718,783.
  - Anastasia, Harry G., and Elwell. 2,726,544.
  - Anderson, Edward P. 2,711,652.
  - Anderson, Vernal A. 2,718,284.
  - Baker, William E. 2,702,053.
  - Baker, William E. 2,711,654.
  - Bimberg, Elmer M. 2,702,562.
  - Blackman, Birt G. 2,713,639.
  - Block, Arnold H. 2,716,862.
  - Bloser, Dwight W. 2,724,969.
  - Brandau, William E. 2,727,356.
  - Brunner, Richard J. 2,701,709.
  - Buxton, James E. 2,708,370.
  - Buxton, James E. 2,716,346.
- Bendix Aviation Corp.: *See*—Continued.
- Buxton, James E. 2,727,998.
  - Cairnes, Charles W. 2,719,921.
  - Camp, Leon W. 2,723,386.
  - Camp, Leon W. 2,724,818.
  - Carter, George W. 2,712,599.
  - Colt, Rutger B. 2,703,746.
  - Colt, Rutger B. 2,708,256.
  - Crothers, Paul D. 2,703,719.
  - De la Cova, Paul V., and Wallis. 2,703,866.
  - Dibgy, James J. 2,720,789.
  - Dickey, John W. 2,702,470.
  - Dickey, John W. 2,706,795.
  - Dickey, John W. 2,725,758.
  - Dombeck, Edward K. 2,728,418.
  - DuBois, William H. 2,706,018.
  - Emerson, John F. 2,710,942.
  - Erle, Donald Z. 2,702,455.
  - Frazier, Radford K., and Bennett. 2,702,609.
  - Frerer, Paul G. 2,719,193.
  - Fricke, Guy C. 2,707,611.
  - Gaguski, Edward O. 2,699,141.
  - Gerwig, Larry L. 2,705,937.
  - Gilbert, Samuel. 2,710,763.
  - Goepfrich, Rudolph A. 2,724,461.
  - Gordon, James F. 2,703,862.
  - Greene, Sidney R. 2,710,898.
  - Greenfield, Alexander. 2,714,658.
  - Greenfield, Alexander. 2,719,280.
  - Gunn, Joseph B. 2,700,986.
  - Haas, Harold G., and Neild. 2,714,146.
  - Hager, Donald L. 2,727,394.
  - Hague, Robert Z., and Alexanderson. 2,708,427.
  - Hazen, Edward J. 2,723,529.
  - Hazen, Edward J. 2,727,357.
  - Hedeman, Walter R., Jr. 2,718,591.
  - Hemphill, Alfred A., and Tewksbury. 2,718,003.
  - Hennessey, Walter F., Jr., and Swanson. 2,719,876.
  - Herndon, Lee R., Jr. 2,713,796.
  - Herndon, Lee R., Jr., Piper, and Smith. 2,713,795.
  - Hosford, Norman F. 2,706,407.
  - Hosford, Norman F. 2,726,075.
  - Hunter, Gordon S. 2,728,155.
  - Hupp, Edward E. 2,703,631.
  - Ihrle, Merle L., and Root. 2,709,847.
  - Kasten, Walter. 2,707,562.
  - Kasten, Walter, and Fricke. 2,707,563.
  - Kimball, Vernon R. 2,706,611.
  - Kochevar, Henry J. 2,712,094.
  - Koll, Andrew J. 2,715,243.
  - Konet, Henry, Boehm, and Hurlburt. 2,726,457.
  - Kunz, William J., Jr. 2,720,751.
  - Livers, Carlos B. 2,707,455.
  - Long, Richard H. 2,703,636.
  - Lugosch, Karl E. 2,707,265.
  - Lupton, Clark R., Trautman, and Weber. 2,726,974.
  - MacDuff, Stanley I. 2,712,940.
  - Massar, Val H. 2,699,531.
  - McLaren, Ian H., and Wiley. 2,713,123.
  - McNaney, Joseph T. 2,719,923.
  - Mendenhall, Charles A. 2,704,939.
  - Mendenhall, Charles A. 2,706,413.
  - Mendenhall, Charles A. 2,709,369.
  - Mendenhall, Charles A. 2,714,312.
  - Mendenhall, Charles A. 2,719,433.
  - Merchant, Robert B. 2,712,593.
  - Meyers, Raymond I., and Perkins. 2,704,647.
  - Mock, Frank C. 2,705,829.
  - Mock, Frank C., and Peterson. 2,704,516.
  - Moog, Arthur E. 2,702,876.
  - Murphy, Norman B. 2,706,548.
  - Naidich, Herbert H. 2,719,969.
  - Neild, William G. 2,716,213.
  - Nelson, Donald O. 2,720,561.
  - Nelson, Donald O., and Blackman. 2,718,161.
  - Norkus, Charles F. 2,713,758.
  - Omberg, Arthur C., Means, and Ochterbeck. 2,718,061.
  - Parker, Leland C. 2,716,381.
  - Parker, Leland C. 2,717,553.
  - Peters, Norman K. 2,705,864.
  - Peterson, Joel D. 2,713,335.
  - Phelan, George A. 2,718,618.
  - Piper, Charles A. 2,717,370.
  - Polye, William R. 2,718,904.
  - Potter, Frederick M. 2,720,575.
  - Prather, Edwin E. 2,707,541.
  - Prather, Edwin E. 2,724,451.
  - Presnell, Frank G. 2,716,945.
  - Price, Earl R. 2,719,609.
  - Price, Earl R. 2,726,884.
  - Prior, Arthur D. 2,725,550.
  - Purdy, Rolland M., and Ludwig. 2,699,158.
  - Ringer, Evue J. 2,719,405.
  - Roemer, Carl E. 2,721,996.
  - Russell, Matthew J. B. 2,699,066.
  - Sabatini, John J. 2,706,414.
  - Sabatini, John J. 2,710,542.
  - Schaffer, David J. 2,724,375.
  - Schneck, Frederick W. 2,722,233.
  - Seifried, Paul E. 2,716,344.
  - Sherrill, Eugene A. 2,702,093.
  - Skinner, Ralph L. 2,726,978.
  - Spencer, Glenn S. 2,704,458.
  - Stuart, Alfred A. 2,716,891.



- Bendix Aviation Corp.: *See*—Continued.  
 Sutton, Robert W. 2,719,519.  
 Swanson, George J., and Hennessey. 2,719,736.  
 Swanson, George J., and Kokalas. 2,716,744.  
 Swanson, George J., Uline, and Kokalas. 2,715,212.  
 Sylvander, Frederick B. 2,699,539.  
 Taylor, Francis J., Jr. 2,707,902.  
 Taylor, Malcolm, and Cann. 2,717,980.  
 Teague, Walter D., Jr. 2,700,935.  
 Teague, Walter D., Jr., and Laucks. 2,720,282.  
 Thomas, Thomas H. 2,699,686.  
 Toulter, Pierre. 2,706,412.  
 Troeger, Henry, and Goldberg. 2,727,371.  
 Troeger, Henry, and Palfreyman. 2,699,343.  
 Trout, Norwood S., Jr. 2,699,854.  
 Uline, William A. 2,712,687.  
 Van Derbeck, Everett E. 2,715,418.  
 Volk, Emil A., Jr., and Troeger. 2,728,234.  
 Weisenbach, Charles O. 2,713,869.  
 Wiley, William C. 2,706,788.  
 Williams, Howard J., and Hall. 2,705,047.  
 Winkler, Albert H. 2,719,706.  
 Winkler, Albert H., and Barfod. 2,712,928.  
 Wisman, Franklin O., and Reek. 2,727,166.
- Bendix-Westinghouse Automotive Air Brake Co.: *See*—  
 Andrews, Earl T. 2,718,897.  
 Shumaker, John F. 2,728,517.  
 Valentine, Harry M. 2,709,628.  
 Vorech, Stephen. 2,724,410.  
 Vorech, Stephen. 2,728,592.
- Bendl, Leo S.: *See*—  
 Berger, Martin M., and Bendl. 2,708,053.
- Benedek, Elek K., to Porta Products Corp. 2,714,378, Cl. 126—110.
- Benedetti, Nello. 2,722,076, Cl. 43—17.
- Benedict, Walter E., and J. F. Dobry, to Congoleum-Nairn Inc. 2,728,103, Cl. 18—2.
- Beneke Corp.: *See*—  
 Beneke, Henry, Jr. 2,709,280.  
 Beneke, Henry, Jr., to Beneke Corp. 2,709,280, Cl. 18—59.  
 Beneke, Herman J. 2,715,810, Cl. 56—249.  
 Benelisha, Albert L. 2,717,712, Cl. 217—5.  
 Bener, Christian. 2,699,374, Cl. 8—114.  
 Benes, Wensel. 2,705,943, Cl. 123—191.
- Benford, Stanley: *See*—  
 Scherer, Robert P., Benford, and Moreland. 2,703,047.
- Benghiat, Isaac: *See*—  
 Bowers, James B., and Benghiat. 2,727,035.
- Bengtsson, Johan F. 2,05,628, Cl. 265—62.
- Benink, Christian J. M., H. Bungert, E. Clauss, L. Meissler, H. Schumann, and A. Schuster, to G. M. Pfaff A-G. 2,704,526, Cl. 112—225.
- Benjamin, Dorothy E.: *See*—  
 Benjamin, Joel R. 2,706,893.
- Benjamin, George W., to The Baker-Raulang Co. 2,718,118, Cl. 61—63.
- Benjamin, Harry, to The Harshaw Chemical Co. 2,716,292, Cl. 35—19.
- Benjamin, Harry, to The Harshaw Chemical Co. 2,720,311, Cl. 209—334.
- Benjamin, Joel R., deceased; D. E. Benjamin, executrix. 2,706,893, Cl. 61—18.
- Benjamin, Milton L. and S. S., to Erickson Tool Co. 2,727,748, Cl. 279—102.
- Benjamin, Stanley S.: *See*—  
 Benjamin, Milton L. and S. S. 2,727,748.
- Benjamin, Theodore S., to W. R. Benjamin Co. 2,709,318, Cl. 46—26.
- Benjamin, W. R., Co.: *See*—  
 Benjamin, Theodore S. 2,709,318.
- Benjamin, William C. 2,718,932, Cl. 181—31.
- Benkowski, Joseph R., to Wendell Mfg. Co. 2,721,347, Cl. 15—1325.
- Benne, M. A.: *See*—  
 Barber, Hiram E. 2,700,860.  
 Riley, Edward. 2,716,277.
- Benner-Nawman, Inc.: *See*—  
 Nawman, Rollie B. 2,707,060.
- Benner, Theodore A.: *See*—  
 Brown, Andrew, and Benner. 2,702,321.
- Bennes, Charles D., to Technicolor Motion Picture Corp. 2,719,805, Cl. 154—98.
- Bennett, Alva H.: *See*—  
 Osterberg, Harold, and Bennett. 2,700,918.
- Bennett, Andrew E., and D. S. Brown, to Mason-Neilan Regulator Co. 2,712,236, Cl. 73—351.
- Bennett, Aubert E. 2,701,354, Cl. 340—207.
- Bennett, Frank: *See*—  
 Hallowell, Howard T., and Bennett. 2,712,452.  
 Hallowell, Howard T., Jr., and Bennett. 2,711,787.
- Bennett, Frank P., to Bell & Howell Co. 2,724,990, Cl. 88—28.
- Bennett, George T. 2,726,109, Cl. 292—167.
- Bennett, Herbert L., to Dixie Cup Co. 2,705,089, Cl. 221—45.
- Bennett, Herbert L., to Dixie Cup Co. 2,718,767, Cl. 65—61.
- Bennett, John D.: *See*—  
 Bloss, Richard R., and Bennett. 2,707,093.
- Bennett, John M. 2,701,879, Cl. 2—42.
- Bennett, John W.: *See*—  
 Egee, Walter W., and Bennett. 2,705,110.  
 Egee, Walter W., and Bennett. 2,717,302.
- Bennett, Lenthal L. 2,717,725, Cl. 222—485.
- Bennett, Leon, and H. Trampusch, to National Foundation for Infantile Paralysis Inc. 2,701,005, Cl. 155—30.
- Bennett, Nigel J., and A. G. Hobson, to British Filters Ltd. 2,702,126, Cl. 210—195.
- Bennett, Owen G.: *See*—  
 Sundermann, James A., and Bennett. 2,725,011.
- Bennett, Ralph D., and E. L. Deeter. 2,702,507, Cl. 102—16.
- Bennett, Robert P.: *See*—  
 Frazier, Radford K., and Bennett. 2,702,609.
- Bennett, Robert R., and H. F. Enos, to Commercial Solvents Corp. 2,726,172, Cl. 117—95.
- Bennett, Roswell J.: *See*—  
 Fisher, Charles R., Southworth, Schumacher, and Bennett. 2,724,010.
- Bennett, Walter C. 2,719,377, Cl. 43—42.27.
- Bennett, Willard H. 2,721,270, Cl. 250—41.9.
- Bennett, Willard H. 2,721,271, Cl. 250—41.9.
- Bennett, William R.: *See*—  
 Marshall, Harry B., and Bennett. 2,709,653.
- Bennett, William R., and C. B. H. Feldman, to Bell Telephone Laboratories, Inc. 2,719,189, Cl. 179—15.
- Bennette, A. A.: *See*—  
 Linscheid, Arthur A. 2,716,319.
- Bennie, Frank K.: *See*—  
 Holst, John C. 2,701,331.
- Bennie, Lynn W.: *See*—  
 Holst, John C. 2,701,331.
- Benning, Anthony F., and F. B. Hill, Jr., to E. I. du Pont de Nemours & Co. 2,720,498, Cl. 260—33.8.
- Benning, Anton: *See*—  
 Grosskinsky, Otto, Thurauf, Benning, Huck, and Ewers. 2,726,262.
- Benninghofen, Paul: *See*—  
 Waechter, Harry J. 2,726,864.
- Benninghoff, William E., to The Ohio Crankshaft Co. 2,703,495, Cl. 73—352.
- Benninghoff, William L., and J. Thompson, deceased (by Nora Thompson, administratrix), to The Pipe Machinery Co. 2,728,327, Cl. 121—1.
- Benno, Edward L., to International Harvester Co. 2,724,952, Cl. 62—117.3.
- Benoist, Raymond E. 2,708,593, Cl. 294—50.7.
- Benoit, George J., Jr., to California Research Corp. 2,723,294, Cl. 260—615.
- Bensinger, Clarence G., to Owens-Illinois Glass Co. 2,702,642, Cl. 214—10.5.
- Bensinger, Wolf D., to Daimler-Benz Aktiengesellschaft. 2,699,763, Cl. 123—32.
- Benson, Alfred D., to Mechanical Handling Systems Inc. 2,714,355, Cl. 104—88.
- Benson, Arthur F., to American Meter Co., Inc. 2,713,792, Cl. 73—274.
- Benson, Bernard S., M. J. Markakis, L. W. Danenberg, and H. J. Rounds, Jr., to Friden Calculating Machine Co., Inc. 2,728,521, Cl. 235—60.4.
- Benson, Bert A. 2,725,777, Cl. 82—33.
- Benson, David L. 2,724,743, Cl. 179—18.
- Benson, Ernest H. 2,711,264, Cl. 220—5.
- Benson, George O., to Chisholm-Ryder Co., Inc. 2,711,918, Cl. 287—58.
- Benson, Harry E.: *See*—  
 Hanson, Glen N. 2,712,305.
- Benson, Homer I., to Regal Plastic Co. 2,700,179, Cl. 18—35.
- Benson, Jerry S. 2,727,332, Cl. 43—44.97.
- Benson, John H.: *See*—  
 Burns, Thomas H. S., and Benson. 2,720,203.
- Benson, Le Roy J. 2,707,569, Cl. 214—11.
- Benson, Reuel A.: *See*—  
 Kimball, Frank T., and Benson. 2,727,822.
- Benson, Richard E.: *See*—  
 Arnett, Lyda M., Jr., Bechtold, and Benson. 2,728,732
- Benson, Robert W.: *See*—  
 Codichini, Joseph J., Benson, and Mayo. 2,701,765.
- Benson, Ronald C. 2,724,288, Cl. 74—625.
- Benstein, Arthur R., to Stewart-Warner Corp. 2,699,339, Cl. 280—11.
- Bent, Anthony J.: *See*—  
 Staples, Otis E., and Bent. 2,700,324.
- Bent, Arthur J., and W. R. Forster, to Westinghouse Air Brake Co. 2,718,939, Cl. 188—181.
- Bent, George R., to Baxter Laboratories, Inc. 2,702,036, Cl. 128—214.
- Bent, Gordon C., Jr. 2,711,043, Cl. 42—70.
- Bent, Herman W. 2,717,718, Cl. 220—52.
- Bent, Richard L., and A. Weissberger, to Eastman Kodak Co. 2,704,713, Cl. 95—6.
- Bentley Engineering Co., Ltd., The: *See*—  
 Hill, Roscoe. 2,714,813.
- Bentley, Robert A. 2,700,414, Cl. 155—112.
- Bentley, Robert H., to The Arrow-Hart & Hegeman Electric Co. 2,715,715, Cl. 339—216.
- Bentley, Robert H., to The Arrow-Hart & Hegeman Electric Co. 2,725,438, Cl. 200—67.
- Bentz, Floyd P., 25% to W. D. Hewit. 2,711,866, Cl. 244—54.
- Bentzen, La Verne F., to Allis-Chalmers Mfg. Co. 2,724,038, Cl. 219—17.
- Benway, Robert E., to Radio Corp. of America. 2,726,347, Cl. 313—70.
- Benway, Robert E., to Radio Corp. of America. 2,726,348, Cl. 313—70.
- Benz, Frederic M.: *See*—  
 Wharton, Armistead, and Benz. 2,714,197.
- Benz, George W.: *See*—  
 Klein, David X., and Benz. 2,723,290.



- Benz & Hilgers Maschinenfabrik: *See*—  
 Massmann, Wilhelm. 2,705,835.  
 Massmann, Wilhelm. 2,716,510.
- Benz, Jakob: *See*—  
 Wehrli, Walter, and Benz. 2,722,527.
- Beran, Ben E. 2,716,561, Cl. 280—150.
- Beranek, Rudolf. 2,704,068, Cl. 128—127.
- Beranek, Wenceslaus G., and T. T. Buresh. 2,707,363, Cl. 56—25.4.
- Berard, Mederic E.: *See*—  
 Allen, John E. 2,709,077.
- Berck, William F., to Ralph N. Brodie Co. 2,711,657, Cl. 74—681.
- Berckmüller, Heinz. 2,723,094, Cl. 244—145.
- Bercovitz, Bernard: *See*—  
 Meredew, George C., and Stevens. 2,715,483.  
 Meredew, George C., and Stevens. 2,721,677.
- Berdan, George D. 2,721,433, Cl. 56—25.4.
- Berendt, Carl: *See*—  
 Demarest, Daniel D., Perkins, Karius, and Berendt. 2,701,385.
- Beresford, David O. 2,724,498, Cl. 209—112.
- Beresford, James, & Son Ltd.: *See*—  
 Smith, Sidney A. 2,711,008.
- Berestneff, Alexis A., to Carrier Corp. 2,703,968, Cl. 62—119.
- Beretish, William H., to Edward Valves, Inc. 2,707,390, Cl. 73—46.
- Beretvas, Helen S., to Standard Oil Co. 2,720,491, Cl. 252—37.2.
- Beretvas, Helen S., to Standard Oil Co. 2,727,030, Cl. 260—139.
- Berezny, Mischa N. 2,722,380, Cl. 235—99.
- Berg, Bennie L. 2,710,240, Cl. 312—134.
- Berg, Clyde H. O., to Union Oil Co. of California. 2,708,604, Cl. 302—53.
- Berg, Clyde H. O., to Union Oil Co. of California. 2,709,673, Cl. 196—52.
- Berg, Clyde H. O., to Union Oil Co. of California. 2,724,619, Cl. 302—53.
- Berg, Elaine. 2,701,367, Cl. 2—197.
- Berg, Elaine. 2,721,329, Cl. 2—197.
- Berg, Elaine,  $\frac{1}{8}$  to R. H. Wendt and  $\frac{1}{8}$  to F. P. Peters. 2,721,459, Cl. 65—65.
- Berg, Elaine. 2,728,085, Cl. 2—209.5.
- Berg, Frederick A. 2,698,756, Cl. 280—1.12.
- Berg, Helge, to Allmänna Svenska Elektriska Aktiebolaget. 2,721,282, Cl. 310—224.
- Berg, Max W.,  $\frac{1}{2}$  to C. J. Fletcher. 2,709,052, Cl. 244—35.
- Berg, Milton R.: *See*—  
 Wilson, Ross B., and Berg. 2,705,134.
- Berg, Ragnar. 2,719,636, Cl. 214—63.
- Berg, Robert B. 2,713,816, Cl. 97—36.
- Berg, Roy E., to Fibre-Drum Corp. 2,728,275, Cl. 93—81.
- Berg, Theodore, and J. L. Szajna, to M. S. Wolk. 2,727,135, Cl. 240—6.4.
- Berg, Willie. 2,704,383, Cl. 20—1.126.
- Bergan, Kenneth N., to Motorola, Inc. 2,704,362, Cl. 343—175.
- Bergan, Martin D., to The Thomas & Betts Co. 2,724,098, Cl. 339—276.
- Bergan, Martin D., to The Thomas & Betts Co. 2,727,219, Cl. 339—258.
- Bergan, Reuben A., to Well Surveys, Inc. 2,711,084, Cl. 62—92.
- Berge, Archie M. 2,707,339, Cl. 34—130.
- Bergemann, Robert J., and E. R. Brill, to the United States of America as represented by the Secretary of War. 2,703,881, Cl. 343—18.
- Bergen, Stephen A.: *See*—  
 Boundy, James R., and Bergen. 2,721,277.  
 Boundy, James R., and Bergen. 2,728,041.
- Bergendal, Gunnar. 2,726,786, Cl. 220—97.
- Berger, Arthur F., to The Master Electric Co. 2,706,652, Cl. 286—11.14.
- Berger, Bernard A. 2,714,012, Cl. 280—40.
- Berger, Christian D. 2,728,814, Cl. 178—5.4.
- Berger, Donald E., to Phillips Petroleum Co. 2,709,678, Cl. 202—160.
- Berger, France B., and J. S. Allen, to the United States of America as represented by the Secretary of the Navy. 2,702,857, Cl. 250—27.
- Berger, France B., P. Jarmotz, and I. J. Haworth, to the United States of America as represented by the Secretary of the Navy. 2,720,646, Cl. 343—11.
- Berger, Frank M., and B. J. Ludwig, to Carter Products, Inc. 2,724,720, Cl. 260—482.
- Berger, George C.: *See*—  
 Myrold, Albin O., and Berger. 2,701,596.
- Berger, George C., and A. O. Myrold. 2,701,595, Cl. 146—107.
- Berger, Hans: *See*—  
 Gund, Konrad, and Berger. 2,721,949.
- Berger, Harold A., to Metal Engineering Co. 2,705,899, Cl. 81—84.
- Berger, Harry B. 2,726,867, Cl. 272—27.
- Berger, Herman. 2,720,036, Cl. 33—203.12.
- Berger, Kornel. 2,706,771, Cl. 240—148.
- Berger, Martin M., and L. S. Bendl, to Cigaromat Corp. of America. 2,708,053, Cl. 221—252.
- Berger, Paul: *See*—  
 Feinberg, Albert E., and Berger. 2,716,205.
- Berger, Verda E. 2,723,784, Cl. 223—68.
- Bergerhoff, Hugo. 2,701,507, Cl. 95—31.
- Bergerhoff, Hugo. 2,704,494, Cl. 95—55.
- Bergerhoff, Hugo. 2,725,005, Cl. 95—55.
- Bergeron, Alfred, to Super-Seal Piston Ring Mfg. Corp. 2,705,178, Cl. 309—46.
- Berggren, Thurston V., to Uarco, Inc. 2,720,829, Cl. 101—12.
- Berghaus, Bernhard, and H. Bucek; said Bucek assor. to said Berghaus. 2,701,846, Cl. 313—19.
- Bergland, Thomas O. 2,721,493, Cl. 81—179.
- Berglund, Orion W., to The Commonwealth Engineering Co. of Ohio. 2,704,725, Cl. 117—33.
- Berglund, Ralph M., to Pacific Laboratories, Inc. 2,712,153, Cl. 17—4.
- Bergman, Melvyn H.: *See*—  
 Herbst, Seymour, and Bergman. 2,708,383.
- Bergman, Michel: *See*—  
 Ziep, Gustav A. 2,727,763.
- Bergman, Raymond W.: *See*—  
 Valentine, Orville H., Goralczyk, and Bergman. 2,720,678.
- Bergmann, Ernst R., to Goodman Mfg. Co. 2,722,409, Cl. 262—9.
- Bergmann, Ludwig: *See*—  
 Becker, Helmut, Bender, Bergmann, Rost, and Zobel. 2,728,222.
- Bergmann, Richard L., to Surface Combustion Corp. 2,704,188, Cl. 237—8.
- Bergmans, Jacobus A. 2,719,367, Cl. 36—12.
- Bergner, Nore E., to Aktiebolaget Separator. 2,719,668, Cl. 233—32.
- Bergquist, Harlan R.,  $\frac{1}{2}$  to W. N. Bergquist. 2,708,761, Cl. 15—104.
- Bergquist, Wallace N.: *See*—  
 Bergquist, Harlan R. 2,708,761.
- Bergson, Arnold, to Jack & Heintz, Inc. 2,727,117, Cl. 201—51.
- Bergstein Packaging Trust, The: *See*—  
 Bergstein, Robert M. 2,706,590.  
 Bergstein, Robert M. 2,709,535.
- Bergstein, Robert M., to The Bergstein Packaging Trust. 2,706,590, Cl. 229—14.
- Bergstein, Robert M., to The Bergstein Packaging Trust. 2,709,535, Cl. 220—113.
- Bergstrom, Adolph G., to Bergstrom Mfg. Co. 2,699,323, Cl. 257—137.
- Bergstrom, Carl N. Re. 24,065, Cl. 218—29.
- Bergstrom, Carl N. 2,716,518, Cl. 229—7.
- Bergstrom, Carl P., to Crompton & Knowles Loom Works. 2,720,894, Cl. 139—147.
- Bergstrom, Carl P., and C. Darwin, to Crompton & Knowles Loom Works. 2,699,184, Cl. 139—187.
- Bergstrom, Clarence G.: *See*—  
 Dodson, Raymond M., and Bergstrom. 2,705,711.
- Bergstrom, Clarence G., to G. D. Searle & Co. 2,703,799, Cl. 260—239.55.
- Bergstrom, Clarence G., to G. D. Searle & Co. 2,713,587, Cl. 260—397.45.
- Bergström, Emil A., to Svenska Aktiebolaget Gasaccumulator. 2,702,253, Cl. 117—47.
- Bergstrom, Eric V., to Socony Mobil Oil Co., Inc. 2,709,674, Cl. 196—147.
- Bergstrom, Eric V., to Socony Mobil Oil Co., Inc. 2,716,054, Cl. 23—288.
- Bergstrom, Eric V., to Socony Mobil Oil Co., Inc. 2,717,439, Cl. 29—428.
- Bergstrom, Eric V., to Socony Mobil Oil Co., Inc. 2,717,811, Cl. 302—53.
- Bergstrom, Eric V., to Socony Mobil Oil Co., Inc. 2,724,190, Cl. 34—57.
- Bergstrom, Eric V., and E. R. Sorf, to Socony Mobil Oil Co., Inc. 2,723,224, Cl. 196—52.
- Bergstrom, Harold A., to Continental Can Co., Inc. 2,727,673, Cl. 229—14.
- Bergström, Hilding O. V., and K. G. Trobeck, to Aktiebolaget BT-Metoder. 2,726,927, Cl. 23—48.
- Bergstrom, Lars O., to Aktiebolaget Bofors. 2,725,790, Cl. 89—1.7.
- Bergstrom Mfg. Co.: *See*—  
 Bergstrom, Adolph G. 2,699,323.
- Bergvall, Bertil: *See*—  
 Johanson, Erik, and Bergvall. 2,725,150.
- Bergwerksverband zur Verwertung von Schutzrechten der Kohlentechnik G. m. b. H.: *See*—  
 Grossinsky, Otto, Thurauf, Benning, Huck, and Ewers. 2,726,262.
- Berindei, Matthew: *See*—  
 Nemet, Anthony A., and Berindei. 2,717,315.
- Berke, Joseph D. 2,705,367, Cl. 32—14.
- Berkeley Mfg. Co., Inc.: *See*—  
 Meier, Robert C., Jr. 2,704,626.
- Berkeley Pump Co.: *See*—  
 Carpenter, Fred A. 2,708,881.
- Berker, Ralph C. 2,718,158, Cl. 74—665.
- Berker, Ralph C. 2,728,112, Cl. 19—130.
- Berkey, Donald C., to General Electric Co. 2,699,648, Cl. 60—39.65.
- Berkley Machine Co.: *See*—  
 Skow, Ross E. 2,709,951.
- Berkline Corp., The: *See*—  
 Belisle, Adelard J. 2,709,480.
- Berkness, Edwin O.: *See*—  
 Gronlund, Theodore H., and Berkness. 2,710,058.
- Berkoben, Charles W., to Westinghouse Air Brake Co. 2,718,938, Cl. 188—181.
- Berkowitz, Julius. 2,698,483, Cl. 32—63.
- Berl, Leo, W. F. Smith, and R. W. Griscom, to Tennessee Products and Chemical Corp. 2,718,531, Cl. 260—648.



- Berlant, Sigmund: *See*—  
Anderson, Alfred J., Berlant, and Sims. 2,718,017.  
Berlenbach, Bernard E. 2,698,757, Cl. 280—11.35.  
Berlin, Aaron S., R. J. Classen, C. F. Novak, and F. L. Hawkins, to the United States of America as represented by the Secretary of the Army. 2,723,554, Cl. 73—40.7.  
Berlin Chapman Co.: *See*—  
Ullom, Franklin P. 2,706,835.  
Berlin, Lee M.: *See*—  
Polster, John A., Aldrich, and Berlin. 2,708,076.  
Berlin, Robert V.: *See*—  
Aspden, Gerald L., and Berlin. 2,719,471.  
Berlinger, Frederick J. 2,705,279, Cl. 240—10.6.  
Berman, Harold: *See*—  
Duesel, Bernard F., and Berman. 2,710,869.  
Berman, Leon J.: *See*—  
Phillips, Edward V., and Berman. 2,725,554.  
Bernaerts, Henricus F. J. 2,699,874, Cl. 212—13.  
Bernaerts, Henricus F. J. 2,700,436, Cl. 188—67.  
Bernard Edward Co.: *See*—  
Yellin, Bernard. 2,708,900.  
Bernard, James L., Jr., and A. Haselman. 2,708,686, Cl. 174—41.  
Bernard, John J., and W. Wald, to Rohm & Haas Co. 2,719,118, Cl. 210—2.  
Bernsen, William E. 2,726,303, Cl. 200—172.  
Bernier, Harry M., to American Hospital Supply Corp. 2,716,045, Cl. 312—281.  
Bernhardt, Ella H. 2,698,436, Cl. 2—267.  
Bernhardt, Rudolph. 2,715,485, Cl. 222—498.  
Bernhardt, Rudolph. 2,726,071, Cl. 259—113.  
Bernhart, Finn W., E. R. Eckhardt, M. H. Janson, and F. H. Tinkler, to American Home Products Corp. 2,714,068, Cl. 99—20.  
Bernhauer, Konrad, to Aschaffenburg Zellstoffwerke A. G. 2,698,827, Cl. 195—79.  
Bernhauer, Konrad E., and E. M. Becher, to Aschaffenburg Zellstoffwerke A. G. 2,698,828, Cl. 195—79.  
Bernheim, Georges W. 2,726,936, Cl. 23—253.  
Berni, Louis W.: *See*—  
Scannell, Eustace S., and Berni. 2,728,490.  
Berni, Oreste. 2,723,716, Cl. 160—168.  
Berniker, Frederick and I. 2,702,907, Cl. 2—260.  
Berniker, Irving: *See*—  
Berniker, Frederick and I. 2,702,907.  
Berninger, Kenneth L.: *See*—  
Treseder, Robert C., Dinsmore, Moore, Geyer and Berninger. 2,699,304.  
Bernreuter, Herbert A., to American Gage & Machine Co. 2,725,529, Cl. 324—151.  
Berns Mfg. Corp.: *See*—  
Holte, Paul C. 2,712,157.  
Bernstein, Allan C.,  $\frac{1}{2}$  to N. A. Karr, and  $\frac{1}{2}$  to P. H. Seaman. 2,702,841, Cl. 200—87.  
Bernstein, Jack: *See*—  
Losee, Kathryn A., Bernstein, and Yale. 2,704,754.  
Yale, Harry L., and Bernstein. 2,726,983.  
Yale, Harry L., and Bernstein. 2,727,896.  
Bernstein, Jack, to Olin Mathieson Chemical Corp. 2,727,899, Cl. 260—297.  
Bernstein, Jack, W. A. Lott, and F. Y. Wiselogle, to Olin Mathieson Chemical Corp. 2,699,448, Cl. 260—552.  
Bernstein, Jack, W. A. Lott, and F. Y. Wiselogle, to Olin Mathieson Chemical Corp. 2,699,449, Cl. 260—552.  
Bernstein, Jack, W. A. Lott, and F. Y. Wiselogle, to Olin Mathieson Chemical Corp. 2,699,450, Cl. 260—552.  
Bernstein, Jack, and K. A. Losee, to Olin Mathieson Chemical Corp. 2,713,049, Cl. 260—294.8.  
Bernstein, Jack, and K. A. Losee, to Olin Mathieson Chemical Corp. 2,714,595, Cl. 260—295.  
Bernstein, Jack, and E. R. Spitzmiller, to Olin Mathieson Chemical Corp. 2,725,379, Cl. 260—249.6.  
Bernstein, Jack, and E. Bartner, to Olin Mathieson Chemical Corp. 2,728,765, Cl. 260—239.1.  
Bernstein, Michael. 2,698,754, Cl. 279—51.  
Bernstein, Nahum A.: *See*—  
Zepelovitch, Nathan. 2,705,573.  
Bernstein, Seymour, and R. Littell, to American Cyanamid Co. 2,700,666, Cl. 260—239.55.  
Bernstein, Seymour, and M. V. Querry, to American Cyanamid Co. 2,725,388, Cl. 260—397.1.  
Bernstein, Sidney R. 2,705,964, Cl. 133—5.  
Berntsen, Robert A.: *See*—  
Hill, Edward L., Erickson, and Berntsen. 2,705,224.  
Berntson, Chester Q., 20% to F. V. Watson,  $12\frac{1}{2}\%$  to Thoreen, Thoreen & Lawson, and  $67\frac{1}{2}\%$  to R. A. Lawson. 2,700,506, Cl. 236—12.  
Berquier, André: *See*—  
Masson, Bernard, Thibault, and Berquier. 2,704,558.  
Berriman, Lester P.: *See*—  
Himel, Chester M., and Berriman. 2,712,551.  
Berriozabal, José M.: *See*—  
De Sollano, Carlos S. F. D., and Berriozabal. 2,704,257.  
Berry, Cleveland R. 2,701,282, Cl. 200—61.83.  
Berry, Francois J. B.: *See*—  
Beaudoux, Pierre E., and Berry. 2,725,945.  
Berry, Frank, to Oliver Iron and Steel Corp. 2,713,309, Cl. 103—4.  
Berry, Glenn, to Steel Door Corp. 2,704,376, Cl. 16—1.  
Berry, Herbert C. 2,723,175, Cl. 312—269.  
Berry, John. 2,713,933, Cl. 198—14.  
Berry, John R., and R. N. Fost, to Baker Oil Tools, Inc. 2,718,266, Cl. 166—243.  
Berry, Louis P., Jr. 2,715,935, Cl. 155—17.  
Berry, Morris J. 2,717,015, Cl. 150—34.  
Berry, Norton E., to Servel, Inc. 2,713,778, Cl. 62—119.  
Berry, Richard C.: *See*—  
Greenman, Norman L., and Berry. 2,698,788.  
Berry, William, and C. R. Oswin, to British Cellophane Ltd. 2,709,146, Cl. 154—103.  
Berstecher, Karl. 2,716,311, Cl. 51—103.  
Bersworth, Frederick C., to The Dow Chemical Co. 2,712,544, Cl. 260—348.  
Bersworth, Frederick C., to The Dow Chemical Co. 2,712,545, Cl. 260—348.  
Bersworth, Frederick C., to The Dow Chemical Co. 2,724,706, Cl. 260—45.75.  
Bersworth, Frederick C., and M. Rubin; said Rubin assor. to said Bersworth. 2,698,823, Cl. 167—68.  
Bertaux, Gerard: *See*—  
Heupgen, Marcel, and Bertaux. 2,725,416.  
Bertaux, Jean L., to Louis Marx & Co., Inc. 2,700,251, Cl. 46—245.  
Bertel, Charles A. 2,701,065, Cl. 214—16.1.  
Bertele, Ludwig. 2,721,499, Cl. 88—57.  
Bertele, Ludwig. 2,721,501, Cl. 88—57.  
Berthiez, Charles W. 2,700,313, Cl. 77—1.  
Berthiez, Charles W. 2,700,717, Cl. 200—153.  
Berthiez, Charles W., to societe anonyme dite: Societe Nouvelle de Construction de Machines-Outils et d'Outillage Procédes C. W. B. 2,722,161, Cl. 90—11.  
Berthiez, Charles W., to societe anonyme dite: Societe Nouvelle de Construction de Machines-Outils et d'Outillages Procédes C. W. B. 2,722,162, Cl. 90—16.  
Berthiot, Marcel. 2,724,384, Cl. 128—216.  
Berthold, George H., to Olin Mathieson Chemical Corp. 2,727,017, Cl. 260—78.  
Berthold, Manfred, to Veb Fahrradwerk Elite-Diamant. 2,723,590, Cl. 88—14.  
Berthon, Robert: *See*—  
Colin, Jules, and Berthon. 2,702,121.  
Berthoud Pass Lodge, Inc.: *See*—  
Huntington, Samuel S. 2,699,199.  
Bertin, Jean: *See*—  
Meulien, Henri, and Bertin. 2,714,879.  
Bertin, Jean H.: *See*—  
Kadosch, Marcel, Paris, Bertin, and Marchal. 2,702,986.  
Bertorelli, Orlando L., to J. M. Huber Corp. 2,710,244, Cl. 23—110.  
Bertram, Edwin L., to National Gypsum Co. 2,699,879, Cl. 214—653.  
Bertram, William A. 2,705,386, Cl. 46—13.  
Bertrand, Joseph V., to Hydropress, Inc. 2,716,421, Cl. 137—327.  
Berueff, Robert R. 2,727,553, Cl. 152—216.  
Berwin, Ted W., to Collins Radio Co. 2,713,084, Cl. 178—23.  
Berzonsky, Leonard P.: *See*—  
Jurinic, Mary M. 2,727,325.  
Besaw, George A., and H. H. Welsh. 2,700,291, Cl. 70—135.  
Beseler, Herman F. 2,707,846, Cl. 47—37.  
Bess, Leon, to the United States of America as represented by the Secretary of the Navy. 2,701,306, Cl. 250—27.  
Bess, Leon, to the United States of America as represented by the Secretary of the Navy. 2,702,855, Cl. 250—27.  
Bess, Leon, to the United States of America as represented by the Secretary of the Navy. 2,708,241, Cl. 250—27.  
Besser, Charles S. 2,724,457, Cl. 183—69.  
Bessom, Earl A., to Con-Torg Inc. 2,720,905, Cl. 151—21.  
Best, Albert M., to The New Holland Machine Division of the Sperry Corp. 2,699,337, Cl. 275—5.  
Best, Albert M., and G. K. McCutcheon, to The Sperry Corp. 2,714,259, Cl. 34—233.  
Best, Chris E.: *See*—  
Reid, Robert J., and Best. 2,713,549.  
Reid, Robert J., and Best. 2,713,550.  
Steff, Eugene P., and Best. 2,713,580.  
Best, Chris E. 2,713,585, Cl. 260—429.  
Best, Clarence A. 2,714,473, Cl. 222—217.  
Best, David M.: *See*—  
Claypool, Robbins M., and Best. 2,698,761.  
Best, Ethridge C. 2,717,827, Cl. 48—144.  
Best, Fred H., to Bell Telephone Laboratories, Inc. 2,706,366, Cl. 49—81.  
Best, James S. 2,708,119, Cl. 280—47.21.  
Best, Melvin H., and C. B. Le Bon, III, to Arcadia Metal Products. 2,719,340, Cl. 20—52.  
Beste, Harold E., to Allen B. Du Mont Laboratories, Inc. 2,712,606, Cl. 250—36.  
Beste, Harold E., to Allen B. Du Mont Laboratories, Inc. 2,717,959, Cl. 250—36.  
Best Fertilizers Co.: *See*—  
Hornibrook, Floyd B. 2,700,605.  
Best Foods, Inc.: *See*—  
Brown, Carl F., and Gooding. 2,699,395.  
Gooding, Chester M., Vahlteich, and Brown. 2,701,203.  
Melnick, Daniel. 2,724,650.  
Bestpak Inc.: *See*—  
O'Leary, John J. 2,724,540.  
Bestt Rollr Inc.: *See*—  
Achberger, Eldon E. 2,703,919.  
Muza, Leo J. 2,703,918.  
Beta Corp.: *See*—  
Hardway, Edward V., Jr. 2,707,393.  
Bete Fog Nozzle, Inc.: *See*—  
Bete, John U., and Burnham. 2,701,165.  
Bete, John U., and R. C. Burnham, to Bete Fog Nozzle, Inc. 2,701,165, Cl. 299—129.



- Bethea, Charles F., L. W. Pollock, and J. Q. Wood, to Phillips Petroleum Co. 2,717,658, Cl. 183—34.
- Bethea, Sam R., to Standard Oil Development Co. 2,702,827, Cl. 260—683.15.
- Bethlehem Steel Co.: *See*—  
 Dougherty, Robert S. A. 2,717,829.  
 Joy, Robert F. 2,723,729.  
 Murphy, Donald W. 2,714,065.  
 Penman, Walter R. 2,726,569.  
 Riddle, George H. 2,720,363.  
 Taddeo, William. 2,705,630.  
 Wick, Richard M., Jones, and McClemons. 2,716,079.
- Bethune, George R., Jr., and H. A. Green, to The Goodyear Tire & Rubber Co. 2,726,505, Cl. 57—53.
- Betry, Owen C. 2,710,743, Cl. 259—108.
- Bettega, Bruno. 2,726,644, Cl. 122—215.
- Bettendorf Bakery Equipment Co.: *See*—  
 Hill, Gordon. 2,707,504.  
 Hill, Gordon. 2,713,234.  
 Hill, Gordon. 2,725,698.  
 Hill, Gordon, and Bauer. 2,713,880.  
 Kottmann, Arthur A. 2,702,572.  
 Metz, Anthony J. 2,722,782.
- Better-Bilt Mfg. Co.: *See*—  
 Johnson, Earl S. 2,718,296.
- Bettters, Donald L.: *See*—  
 Stacy, John D., and Bettters. 2,704,341.
- Betterton, Edward L. 2,728,142, Cl. 33—85.
- Bettison, Derek R., to Power Jets (Research and Development) Ltd. 2,719,056, Cl. 299—140.
- Bettman, Carl H. 2,707,153, Cl. 99—83.
- Betts, Arthur W., to Smoked Foods Research Institute, Inc. 2,722,482, Cl. 99—140.
- Betts, George E., Jr., E. L. Blekfeld, and A. T. McCanner, Jr., to the United States of America as represented by the Secretary of the Navy. 2,716,959, Cl. 114—241.
- Betts, Joseph L., Jr.: *See*—  
 Ernst, John L., and Betts. 2,719,163.
- Betts, Raymond L.: *See*—  
 Ricards, Harold A., Jr., Betts, and Hartzband. 2,717,856.
- Betz, Herman, to Underwood Corp. 2,721,042, Cl. 242—72.
- Betz, Lawrence A. 2,718,540, Cl. 136—171.
- Betz, Paul L., to Consolidated Gas Electric Light and Power Co. of Baltimore. 2,710,055, Cl. 158—115.
- Betz, Paul L., to Baltimore Gas and Electric Co. 2,720,615, Cl. 317—133.5.
- Betz, Paul L., to Baltimore Gas and Electric Co. 2,720,623, Cl. 323—2.
- Betz, W. H. & L. D.: *See*—  
 Kahler, Harry L. 2,711,391.  
 Maguire, John J. 2,712,531.
- Beu, Eric R. 2,720,936, Cl. 183—32.
- Beuchat, Roland, and S. Junod. 2,714,753, Cl. 24—178.
- Beuckman, Frank O.: *See*—  
 Tucker, William M., and Beuckman. 2,728,719.
- Beushausen, Walter, and H. Rumpf, to Alpine Aktiengesellschaft, Eisenglesserei und Maschinenfabrik. 2,712,416, Cl. 241—55.
- Beute, George W., and L. M. Fink, to The Babcock & Wilcox Co. 2,723,650, Cl. 122—235.
- Beutel, Ralph H., to Merck & Co., Inc. 2,712,515, Cl. 167—81.
- Bevacqua, Aldo. 2,709,863, Cl. 40—132.
- Bevans, Rowland S., to Ethyl Corp. 2,720,869, Cl. 123—1.
- Be Vant Mining & Refining Corp.: *See*—  
 Edwards, Enoch F. 2,717,205.
- Beverley, Ernest R., deceased; M. C. Beverley, executrix. 2,721,702, Cl. 235—92.
- Beverley, Mildred C.: *See*—  
 Beverley, Ernest R. 2,721,702.
- Beverly, Bobby. 2,710,453, Cl. 33—50.
- Bevier, Louise H. 2,725,567, Cl. 2—83.
- Bevilacqua, Edward M., to United States Rubber Co. 2,725,414, Cl. 260—739.
- Bevilacqua, Edward M., to United States Rubber Co. 2,725,415, Cl. 260—742.
- Bevis, Murray, to the United States of America as represented by the United States Atomic Energy Commission. 2,712,075, Cl. 250—41.9.
- Bewen, Edward M. 2,721,565, Cl. 134—95.
- Bewley, Thomas: *See*—  
 Armstrong, Godfrey P., Bewley, and Cooke. 2,720,549.  
 Armstrong, Godfrey P., Bewley, and Cooke. 2,728,793.  
 Armstrong, Godfrey P., Bewley, and Cooke. 2,728,795.  
 Bellringer, Frederick J., Bewley, and Smith. 2,704,298.
- Bewley, Thomas, to Hercules Powder Co. 2,727,074, Cl. 260—621.
- Bewley, Thomas, B. E. V. Bowen, P. L. Bramwyche, and G. W. Jackson, to Hercules Powder Co. 2,715,145, Cl. 260—621.
- Beyer, Conrad S., and J. J. Kimbro, to Houdaille-Hershey of Indiana, Inc. 2,709,525, Cl. 210—184.
- Beyer, Herman A. 2,700,230, Cl. 36—71.
- Beyer, Millard L. 2,703,169, Cl. 198—34.
- Beyer Peacock & Co.: *See*—  
 Hadfield, James. 2,712,479.
- Beyer, Walter O.: *See*—  
 Wallace, Robert A. 2,709,092.
- Beyerman, Jan J. H., to A. de Jongh N. V. 2,704,062, Cl. 126—99.
- Beyerstedt, Ralph L.: *See*—  
 Hough, Frank G., Beyerstedt, and Conrad. 2,726,778.
- Beyerstedt, Ralph L., and E. R. Cunningham, Jr., to The Frank G. Hough Co. 2,720,990, Cl. 214—510.
- Beymer, Frank R. 2,721,688, Cl. 229—7.
- Beymer, James E. 2,726,534, Cl. 70—263.
- Beynink, Willem, to Hartford National Bank and Trust Co., trustee. 2,714,194, Cl. 339—18.
- Bezborodko, David. 2,699,707, Cl. 88—96.
- Bezona, Wayne. 2,724,256, Cl. 70—16.
- Biagi, Leon J., to Swank, Inc. 2,713,706, Cl. 24—49.
- Bialy, Joseph. 2,715,849, Cl. 82—24.
- Bibb, Carlisle H., and R. H. Leonard, to Newport Industries, Inc. 2,714,553, Cl. 71—23.
- Bibb, John M.: *See*—  
 Bibb, John T., Remmen, and J. M. Bibb. 2,710,679.
- Bibb, John T., K. I. Remmen, and J. M. Bibb. 2,710,679, Cl. 189—36.
- Bibby, James, to Radio Corp. of America. 2,707,995, Cl. 164—6.5.
- Bibeau, Russell J. 2,720,770, Cl. 67—23.
- Biber, Albert, to Gulf Research & Development Co. 2,716,915, Cl. 82—34.
- Bible, Roy H., Jr., and W. M. Hoehn, to G. D. Searle & Co. 2,705,725, Cl. 260—488.
- Biblis, William B. 2,716,750, Cl. 1—49.8.
- Bice, Donald K.: *See*—  
 Hankison, Paul M., and Bice. 2,715,945.
- Bice, Philip R.: *See*—  
 Rowland, Alvin, and Bice. 2,703,471.
- Bickal, S. L.: *See*—  
 Edds, George T., and Bickal. 2,728,704.
- Bickford, Charles A.: *See*—  
 Tapp, Harry F., and Bickford. 2,720,333.
- Bickford, William G.: *See*—  
 Mack, Charles H., Bickford, and Markley. 2,727,048.
- Bickle, Harry M. 2,728,487, Cl. 222—105.
- Bickler, Irving B., to Stewart-Warner Corp. 2,715,518, Cl. 257—261.
- Bickley, Everett H. 2,720,707, Cl. 33—169.
- Bickley, N. Alex.: *See*—  
 House, Samuel G. 2,728,556.
- Bickoff, Emanuel M., to the United States of America as represented by the Secretary of Agriculture. 2,711,962, Cl. 99—8.
- Biddison, Edgar A., to Cutter Laboratories. 2,719,837, Cl. 260—112.
- Biddle, William P., Jr., and T. E. Graves, to The Wilcolator Co. 2,713,861, Cl. 126—36.
- Bidwell, Harry H., to Allis-Chalmers Mfg. Co. 2,723,137, Cl. 287—23.
- Bidwell, Joseph B.: *See*—  
 Lewis, Clayton R., Bidwell, and Underwood. 2,715,830.
- Bidwell, Robert L.: *See*—  
 Shackelford, Arthur H. 2,699,308.
- Bidwell, William R., to The Hoover Co. 2,727,710, Cl. 248—117.1.
- Bieber, Charles E., and R. S. Carr, to Airtron, Inc. 2,709,725, Cl. 200—4.
- Bieber, Charles E., and R. S. Carr, to Airtron, Inc. 2,714,699, Cl. 318—467.
- Biebighauser, Jacob J. 2,727,724, Cl. 254—173.
- Biederman, Joseph B. 2,703,253, Cl. 294—87.2.
- Biedermann, Robert, to J. R. Geigy A. G. 2,716,098, Cl. 260—49.
- Biedess, Anthony R., to Goodman Mfg. Co. 2,702,995, Cl. 64—27.
- Biedess, Anthony R., to Goodman Mfg. Co. 2,704,613, Cl. 214—132.
- Biedess, Anthony R., to Goodman Mfg. Co. 2,707,570, Cl. 214—90.
- Biefeld, Lawrence P., to Owens-Corning Fiberglas Corp. 2,712,509, Cl. 117—126.
- Biefeld, Lawrence P., to Owens-Corning Fiberglas Corp. 2,723,210, Cl. 117—126.
- Biefeld, Lawrence P., and M. C. Armstrong, to Owens-Corning Fiberglas Corp. 2,712,512, Cl. 154—86.
- Biefeld, Lawrence P., and W. K. Lydic, to Owens-Corning Fiberglas Corp. 2,723,215, Cl. 154—91.
- Biefeld, Lawrence P., M. C. Armstrong, and R. F. Shannon, to Owens-Corning Fiberglas Corp. 2,717,841, Cl. 117—102.
- Bieger, Jacob J., and R. H. Wadsworth, to Daco Machine & Tool Co. 2,704,085, Cl. 137—81.
- Biehn, Gerald L., to Westinghouse Electric Corp. 2,716,868, Cl. 62—6.
- Biehn, Gerald L., to Westinghouse Electric Corp. 2,716,870, Cl. 62—115.
- Bielawa, Joseph M. 2,720,031, Cl. 33—174.
- Bielawski, Mitchell S., to Universal Oil Products Co. 2,704,747, Cl. 252—435.
- Bielik, Paul G.: *See*—  
 Gallagher, William P., Stolle, and Bielik. 2,709,341.
- Bielstein, Walter J., to Esso Research and Engineering Co. 2,709,070, Cl. 255—1.6.
- Bienert, Berthold: *See*—  
 Vollmann, Heinrich, Baumann, and Bienert. 2,701,252.
- Bierly, Lester A., to Presque Isles Laboratories & Mfg., Inc. 2,718,479, Cl. 117—168.
- Bierman, Jacob, to B. & G. Magic Chair Co. 2,703,137, Cl. 155—148.
- Bierman, William. 2,716,980, Cl. 128—44.
- Biermann, David, to Hartzell Industries Inc. 2,722,985, Cl. 170—160.21.
- Biermann, William A.: *See*—  
 Johnson, Roy W., Biermann, and Burghdoff. 2,703,606.
- Biern, Nathaniel. 2,724,120, Cl. 2—211.
- Biersack, Joseph: *See*—  
 Sihler, Immanuel, and Biersack. 2,717,287.



- Biery, Galen A., and R. W. Simmons, to Pacific Laboratories, Inc. 2,700,590, Cl. 8—94.12.
- Bigelow, Inc.: *See—*
- Lowe, Sydney P. 2,726,580.
- Bigelow, John F., to International Telephone and Telegraph Corp. 2,726,282, Cl. 178—69.5.
- Bigelow, Merle E. 2,708,327, Cl. 43—88.
- Bigelow-Sanford Carpet Co., Inc.: *See—*
- Carter, Charles W., and Cowhey. 2,720,006.
- Carter, Charles W., and Cowhey. 2,720,007.
- Dildilian, Ara T., and Wood. 2,705,693.
- Jackson, Robert J. 2,713,877.
- Biggle, Laurence C., to General Controls Co. 2,725,889, Cl. 137—69.
- Biggs, Donald I., to F. M. Fink. 2,726,426, Cl. 20—62.
- Biggs, Orrick H.: *See—*
- Peek, Sandford C., Jr., and Biggs. 2,698,501.
- Biggs, Van B., and E. L. Compton. 2,721,725, Cl. 255—50.
- Biggs, William A., Jr.: *See—*
- Copenhaver, James E., Biggs, Baxley, and Wise. 2,714,118.
- Biggs, William A., Jr., and W. S. Adams, to Sonoco Products Co. 2,702,167, Cl. 242—161.
- Biginelli, Oreste F. A. 2,724,616, Cl. 299—150.
- Bilane, Roland B., G. J. Barry, and R. J. Schaefer, to Ethicon, Inc. 2,727,699, Cl. 242—50.
- Bilas, John S. 2,724,341, Cl. 103—136.
- Bilderback, Kenneth A., to Schlumberger Well Surveying Corp. 2,726,365, Cl. 324—1.
- Bill, Curtis L., and M. J. Dougherty. 2,713,687, Cl. 4—57.
- Billerbeck, William J. 2,721,022, Cl. 229—52.
- Billeter, Ernst. 2,701,383, Cl. 16—59.
- Billeter, Henry R., to Ammco Tools, Inc. Re. 24,039, Cl. 77—2.
- Billeter, Henry R., to Ammco Tools, Inc. 2,715,799, Cl. 51—96.
- Billeter, Henry R., to Ammco Tools, Inc. 2,726,494, Cl. 51—184.3.
- Billeter, Henry R., and W. P. Kushmuk, to Ammco Tools, Inc. 2,710,497, Cl. 51—184.3.
- Billig, Ralph B.: *See—*
- Ziskin, Manuel S., and Billig. 2,726,825.
- Billinger, Ben B., to The Gilbert & Bennett Mfg. Co. 2,721,653, Cl. 206—59.
- Billingham, James R. 2,716,246, Cl. 9—21.
- Billings, Bruce H., to Baird Associates. 2,713,025, Cl. 204—157.
- Billings, Curtis, and R. W. Darwin, to Godfrey L. Cabot, Inc. 2,719,078, Cl. 23—209.8.
- Billner, Karl P., J. J. Creskoff, and H. A. Maxwell, to Vacuum Concrete, Inc. 2,715,038, Cl. 294—65.
- Billock, Frances E. and T. L. 2,726,795, Cl. 222—466.
- Billock, Thomas L.: *See—*
- Billock, Frances E. and T. L. 2,726,795.
- Bills, Claud H., to Superior Tank & Construction Co. 2,706,015, Cl. 183—27.
- Bills, John L.: *See—*
- Fleck, Raymond N., and Bills. 2,726,195.
- Bills, John L., to Union Oil Co. of California. 2,700,594, Cl. 23—284.
- Bills, John L., to Union Oil Co. of California. 2,713,601, Cl. 260—679.
- Billson, John A.: *See—*
- Reynolds, Kenneth W., Billson, and Rausch. 2,716,416.
- Billups, James O., to the United States of America as represented by the United States Atomic Energy Commission. 2,720,105, Cl. 72—38.
- Bilsborough, Roy K., to Patton-MacGuyer Co. 2,713,154, Cl. 339—47.
- Biltz, Francis J., and H. G. Nilles, Jr., to the United States of America as represented by the Secretary of the Navy. 2,715,655, Cl. 178—70.
- Bimberg, Elmer M., to Bendix Aviation Corp. 2,702,562, Cl. 137—434.
- Bimson, Harry D. 2,705,130, Cl. 256—48.
- Bindel, Paul H. 2,727,690, Cl. 235—146.
- Binder, Eugene, and J. A. O'Rourke. 2,705,874, Cl. 62—4.
- Binder, George G., Jr., to Esso Research and Engineering Co. 2,718,262, Cl. 166—9.
- Binder, Ludwig & Co.: *See—*
- Klemencic, Adolf. 2,725,984.
- Binder, Richard. 2,703,164, Cl. 192—111.
- Binder, Richard I., to Firma Fichtel & Sachs A. G. 2,725,965, Cl. 192—98.
- Bindler, Jakob: *See—*
- Schälpfer, Hans, and Bindler. 2,709,178.
- Bindler, Jakob, to J. R. Geigy A. G. 2,717,270, Cl. 260—584.
- Bindler, Jacob, and E. Model, to J. R. Geigy A. G. 2,703,332, Cl. 260—559.
- Binford, Thomas A., to Dorr-Oliver Inc. 2,713,027, Cl. 210—3.
- Bing, John H.: *See—*
- Raney, Russell R., Komuchar, and Bing. 2,704,166.
- Bing, John H., to International Harvester Co. 2,711,262, Cl. 214—520.
- Bingeman, Wilbur H., and F. T. Quigley, to Sylvania Electric Products Inc. 2,722,625, Cl. 313—260.
- Bingham, David W. 2,706,589, Cl. 226—98.
- Bingham-Herbrand Corp., The: *See—*
- Skareen, Willard C. 2,716,902.
- Binghamton Metal Forms, Inc.: *See—*
- Yates, Richard C., and Owen. 2,722,045.
- Bingle, Harry C. 2,708,607, Cl. 304—40.
- Binkley, Charles H.: *See—*
- Lundgren, Harold P., Binkley, and Yeiser. 2,715,592.
- Binkley, Mark E., to Johns-Manville Corp. 2,699,097, Cl. 92—55.
- Binkley, Stephen B., and L. C. Cheney, to Bristol Laboratories Inc. 2,703,324, Cl. 260—309.6.
- Binks, Frederick W.: *See—*
- Hutchinson, Leonard, and Binks. 2,718,770.
- Binks Mfg. Co.: *See—*
- Allen, George. 2,707,625.
- Binks, Melvin J., and A. A. Samolis, to Republic Patent Corp. 2,715,840, Cl. 74—128.
- Binmore, John M. 2,714,731, Cl. 9—44.
- Binnall, Frederick C. 2,707,985, Cl. 154—42.
- Binovic, Kurt, and R. Dupas, to Esso Standard Societe Anonyme Francaise. 2,725,345, Cl. 196—151.
- Binstock, Martin H., and H. A. Steinherr, to Westinghouse Electric Corp. 2,717,223, Cl. 148—122.
- Binyon, Walter H. 2,714,863, Cl. 111—99.
- Bion, Georgia L. 2,704,235, Cl. 311—27.
- Birch, Charles K., to Lehigh Valley Coal Sales Co. 2,703,568, Cl. 126—176.
- Birch, Herbert M. 2,728,083, Cl. 2—181.
- Birch, Stanley F., F. A. Fidler, and R. A. Dean, to The British Petroleum Co. Ltd. 2,717,269, Cl. 260—582.
- Birch, Stanley F., and W. S. Nathan, to The British Petroleum Co. Ltd. 2,706,736, Cl. 260—505.
- Birch, William L. 2,715,287, Cl. 40—152.1.
- Birchall, George H., Jr., and J. A. Purdy, to Fischer & Porter Co. 2,711,846, Cl. 222—158.
- Bircher, James A. 2,706,411, Cl. 73—359.
- Birchfield, Dena B.: *See—*
- Baumann, Edward W. 2,710,147.
- Birchler, Robert O., and A. L. Quinlan, to Western Electric Co., Inc. 2,721,710, Cl. 242—58.
- Bird, Clarence G.: *See—*
- Zubler, Camp M., and Bird. 2,709,589.
- Bird, Frank: *See—*
- Rayner, Claude A. A. and Bird. 2,718,681.
- Bird, George M. 2,718,382, Cl. 256—19.
- Bird, Harold S.: *See—*
- Cady, Charles A. 2,724,084.
- Bird, James R. 2,700,749, Cl. 324—95.
- Bird, James R. 2,702,368, Cl. 324—95.
- Bird, Paul G., and A. L. Jacoby, to National Aluminate Corp. 2,717,881, Cl. 252—321.
- Bird & Son, Inc.: *See—*
- Hinds, Caryl E. 2,718,674.
- Watson, William R. 2,727,443.
- Bird, Stanley P., to Breeze Corps., Inc. 2,703,393, Cl. 339—183.
- Birdsall, Edwin H., to General Dynamics Corp. 2,716,893, Cl. 74—5.
- Birdsboro Steel Foundry and Machine Co.: *See—*
- Peterson, Edward T. 2,709,627.
- Birdseye, Clarence, to Process Evaluation and Development Corp. 2,711,369, Cl. 92—1.
- Birdseye, Clarence, to E. G. Birdseye. 2,723,194, Cl. 92—1.
- Birdseye, Eleanor G.: *See—*
- Birdseye, Clarence. 2,723,194.
- Birdwell, Billy G. 2,718,429, Cl. 298—19.
- Birdwell, Billy G. 2,718,430, Cl. 298—21.
- Biribauer, Frank A., J. H. Staib, and J. K. Mertzweiller, to Esso Research and Engineering Co. 2,726,199, Cl. 202—57.
- Birk, Sol. 2,718,573, Cl. 200—140.
- Birk, Sol. 2,726,301, Cl. 200—140.
- Birkemeier, Henry P., to Bell & Gossett Co. 2,699,259, Cl. 210—164.
- Birkemeier, Henry P., to Bell & Gossett Co. 2,703,074, Cl. 122—504.
- Birkmann, Louis F. 2,710,060, Cl. 164—36.
- Birmann, Rudolph, to De Laval Steam Turbine Co. 2,709,893, Cl. 60—39.51.
- Birmingham, John N.: *See—*
- Piperoux, Rene P., and Birmingham. 2,718,362.
- Birmingham Paper Co.: *See—*
- Huckstep, Robin C. 2,705,588.
- Birmingham Small Arms Co. Ltd., The: *See—*
- Oliver, Donald A., and Wilsdon. 2,721,378.
- Birnbaum, Arnold, to The M. W. Kellogg Co. 2,717,744, Cl. 244—63.
- Birnbaum, Milton. 2,703,364, Cl. 250—27.
- Birnie, Marjorie I. 2,700,404, Cl. 144—309.
- Birr, Rudolph G., to American Linen Supply Co. 2,726,824, Cl. 242—55.3.
- Birtman Electric Co.: *See—*
- Bradley, Addison B., Jr. 2,704,692.
- Schwarz, Joseph A. 2,716,253.
- Sparklin, Charles H. 2,702,871.
- Sparklin, Charles H. 2,726,466.
- Birum, Gail H., and A. H. Schlesinger, to Monsanto Chemical Co. 2,717,828, Cl. 71—2.3.
- Bischkopf, Hermann: *See—*
- Golle, Horst, and Bischkopf. 2,702,834.
- Bischoff, Fritz E. 2,704,737, Cl. 167—75.
- Bischoff, Walter. 2,728,190, Cl. 59—80.
- Bishoferberger, Carl J., to Minneapolis-Honeywell Regulator Co. 2,720,255, Cl. 158—28.
- Bishoferberger, Carl J., and R. L. Allen, to Minneapolis-Honeywell Regulator Co. 2,704,819, Cl. 318—29.
- Bishop, Amasa S., to the United States of America as represented by the Secretary of the Navy. 2,703,203, Cl. 235—61.



- Bishop, Amasa S., to the United States of America as represented by the Secretary of the Air Force. 2,710,721, Cl. 235—61.5.
- Bishop, Amasa S., to the United States of America as represented by the Secretary of War. 2,715,182, Cl. 250—27.
- Bishop, Charles F. 2,703,706, Cl. 263—19.
- Bishop, Charles F. 2,706,371, Cl. 56—20.
- Bishop, G. H., Co.: *See*—  
Freeman, David A. 2,726,913.  
Suhajda, Emil. 2,707,582.  
Suhajda, Emil. 2,723,840.
- Bishop, Harry A.: *See*—  
Greacen, Walter, 3rd, Bishop, and Bogot. 2,698,929.
- Bishop, Homer L., 30% to E. E. Stansell. 2,722,261, Cl. 153—32.
- Bishop, Howard B.: *See*—  
Rippie, Charles W., and Bishop. 2,722,500.
- Bishop, Howard B., to Instant Drying Corp. 2,698,815, Cl. 117—100.
- Bishop, Howard W.: *See*—  
Grimes, David D., Bishop, and Schmidt. 2,703,478.
- Bishop, J., & Co. Platinum Works: *See*—  
Hickey, George M. 2,722,932.  
Whitaker, Seldon V., and Derham. 2,720,880.
- Bishop, James T. 2,724,416, Cl. 143—61.
- Bishop, John W., and J. J. McBride, Jr., to Tide Water Associated Oil Co. 2,709,156, Cl. 252—46.7.
- Bishop, Leonard J., to Mechanical Handling Systems, Inc. 2,713,935, Cl. 198—158.
- Bishop, Leonard J., to Mechanical Handling Systems Inc. 2,713,936, Cl. 198—177.
- Bishop, Oren, and C. C. Miller, to Addison Products Co. 2,702,166, Cl. 242—82.
- Bishop, Robert I.: *See*—  
Bosomworth, George P., and Bishop. 2,700,182.
- Bishop, Robert W., to General Motors Corp. 2,727,845, Cl. 154—81.
- Bishop, Thomas D., to The Deritend Engineering Co. Ltd. 2,701,613, Cl. 164—60.
- Bishop, Thomas D., to The Deritend Engineering Co. Ltd. 2,710,061, Cl. 164—60.
- Bishop, William J., to Poor & Co. 2,721,034, Cl. 238—349.
- Bisinger, Bernard, and J. Figi, to M. E. Heard, Jr. 2,715,754, Cl. 19—130.
- Biss, Robert. 2,713,902, Cl. 164—29.
- Bissell, Carl H., to Crouse-Hinds Co. 2,702,849, Cl. 240—11.2.
- Bissell, Carl H., to Crouse Hinds Co. 2,708,089, Cl. 248—344.
- Bissell, Carl H., to Crouse-Hinds Co. 2,711,438, Cl. 174—50.
- Bissell Carpet Sweeper Co.: *See*—  
Siebert, Werner E. 2,712,950.
- Bissell, Walter E. 2,699,344, Cl. 285—131.
- Bisset, William, and W. S. Frost, to Mathews Conveyor Co., Ltd. 2,707,567, Cl. 214—6.
- Bit Guides, Inc.: *See*—  
Fraser, Wilson P. 2,723,836.
- Bitler, John W.: *See*—  
Sebring, John C., Jordan, and Bitler. 2,723,319.
- Bitney, Dewey H., to Union Steel Products Co. 2,710,160, Cl. 248—120.
- Bitterlin, Otto: *See*—  
Bossard, Werner, and Bitterlin. 2,727,887.
- Bittles, James A.: *See*—  
McBee, Earl T., and Bittles. 2,716,140.
- Bituminous Coal Research, Inc.: *See*—  
Yellott, John I. 2,699,039.
- Bitz, John O., and S. G. Seltz. 2,705,603, Cl. 248—43.
- Bitzer, Jack A., to General Mills, Inc. 2,698,625, Cl. 134—63.
- Bitzer, M. A.: *See*—  
Winkelsträter, Fritz. 2,716,836.
- Bivans, E. L., Inc.: *See*—  
Bivans, Elbert L., and Lobdell. 2,724,364.
- Bivans, Elbert L., and H. R. Lobdell, to E. L. Bivans, Inc. 2,724,364, Cl. 118—263.
- Bivens, Maurice E., and W. B. Hills, to General Electric Co. 2,721,302, Cl. 321—7.
- Biver, Jean, to Societe d'Etudes de Carburant l'Automobile et l'Aviation - S. E. C. A. A. 2,711,886, Cl. 261—75.
- Bixby, Kenneth R. 2,722,314, Cl. 209—379.
- Bixby, Lawrence B., and D. Bednarczuk; said Bednarczuk assor. to said Bixby. 2,715,930, Cl. 152—6.
- Bixby, William E., to The Battelle Development Corp. 2,705,675, Cl. 95—1.9.
- Bixby, William H., to D. R. Middleton and S. M. Hanley, d. b. a. Power Equipment Co. 2,709,778, Cl. 323—45.
- Bixby, William H., to D. R. Middleton and S. M. Hanley, d. b. a. Power Equipment Co. 2,709,779, Cl. 323—66.
- Bixby, William H., to D. R. Middleton and S. M. Hanley, d. b. a. Power Equipment Co. 2,713,140, Cl. 321—16.
- Bixler, Harley H., to General Electric Co. 2,724,548, Cl. 230—206.
- Bizak, Louis D.: *See*—  
Margrave, Wilton, and Bizak. 2,698,632.
- Bizak, Louis D., to The Parker Appliance Co. 2,719,561, Cl. 153—40.
- Bizzell, Oscar M.: *See*—  
Morgan, George W., Bizzell, Manov, and Hitch. 2,722,609.
- Bizzoco, Thomas J., and C. A. Smith. 2,713,208, Cl. 33—170.
- Bjontegard, Arthur M., to General Electric Co. 2,717,307, Cl. 240—51.11.
- Bjorkman, Erik B. 2,717,830, Cl. 92—21.
- Bjorkman, Jonas: *See*—  
Lindberg, Lennart, Bjorkman, and Romell. 2,706,248.
- Bjorksten, Johan. 2,718,684, Cl. 25—32.
- Bjorksten Research Laboratories, Inc.: *See*—  
Eisen, John B. 2,705,370.  
Eisen, John B. 2,708,683.  
Meyer, Earl A. 2,723,214.
- Bjornson, Bjorn G., to Bell Telephone Laboratories, Inc. 2,706,221, Cl. 179—18.
- Björnson, Björn G., to Bell Telephone Laboratories, Inc. 2,706,222, Cl. 179—18.
- Blachut, Theodore J.: *See*—  
Clemence, Charles R., Blachut, and van der Hoeven. 2,719,254.
- Black, Clarence S. 2,706,644, Cl. 280—446.
- Black-Clawson Co., The: *See*—  
Bower, Fred C., and Jacobs. 2,728,532.  
Bridge, Adam E. 2,709,396.  
Carter, Thomas N. 2,712,852.  
Evans, Raymond L., and Staeger. 2,703,683.  
Jacobs, Robert J. 2,703,681.  
Jacobs, Robert J. 2,703,682.  
Javid, Farhang. 2,728,273.  
Staeger, Stephen A. 2,709,588.  
Witworth, Otis R. 2,721,647.  
Witworth, Otis R., and Hatton. 2,728,271.
- Black & Decker Mfg. Co., The: *See*—  
Holford, Frank L. 2,704,941.  
Short, Harold O., and Wilhide. 2,725,770.
- Black, Donald W.: *See*—  
Durst, Robert F., Florio, and Black. 2,724,078.
- Black, Donald W., to International Telephone and Telegraph Corp. 2,724,079, Cl. 317—241.
- Black, Dorothy M.: *See*—  
Black, Edward H. and D. M. 2,718,131.
- Black, Edward H. and D. M. 2,718,131, Cl. 66—117.
- Black, Harold J.: *See*—  
Bruce, John K., and Black. 2,699,264.
- Black, Harry F.: *See*—  
Bruker, Hobart W., and Black. 2,718,712.
- Black, Herbert H.: *See*—  
Wellington, Roger D., and Black. 2,708,919.
- Black, James B., and W. F. Shurts, to Twin Disc Clutch Co. 2,702,616, Cl. 192—3.2.
- Black, James F.: *See*—  
Knapp, Carroll L., Jr., and Black. 2,711,484.  
Popkin, Alexander H., and Black. 2,721,877.
- Black, James F., and C. D. Smith, to Standard Oil Development Co. 2,700,593, Cl. 23—230.
- Black, James F., and H. D. Raymond, to Standard Oil Development Co. 2,702,479, Cl. 73—422.
- Black, James F., and J. D. Oathout, to Esso Research and Engineering Co. 2,716,634, Cl. 252—33.4.
- Black, John O.: *See*—  
Dobson, Franklin A. 2,708,081.
- Black, Martin L., to Parke, Davis & Co. 2,721,212, Cl. 260—562.
- Black, Robert A., and J. F. Rohs, to Chicopee Mills, Inc. 2,712,834, Cl. 139—426.
- Black, Robert B. 2,726,646, Cl. 123—65.
- Black, Robert H., to Deltronic Corp. 2,715,281, Cl. 33—178.
- Black, Sivals & Bryson, Inc.: *See*—  
Coffman, Robert S. 2,701,075.  
Hanssen, Albert J. 2,698,544.  
Hayes, Charles W. 2,710,014.  
Kinser, Arthur D., and Foree. 2,710,071.  
Kunert, Max J. 2,710,079.  
Laurence, Lawton L., and Hayes. 2,725,337.
- Black, Walter L.: *See*—  
Gravenhorst, Gordon P., Franz, Snow, and Black. 2,725,791.
- Black, William A.: *See*—  
West, Everett J., and Black. 2,713,458.
- Black, Willy, to Anmelders Auf Die Firma Carl F. W. Borgward G. m. b. H. 2,699,236, Cl. 192—3.2.
- Blackburn, Charles M., and F. R. Seavey, to Olin Mathieson Chemical Corp. 2,717,551, Cl. 102—28.
- Blackburn, George W. 2,726,563, Cl. 81—58.1.
- Blackford, Raymond H., to Durabla Mfg. Co. 2,727,531, Cl. 137—516.13.
- Blackford, Raymond H., K. von Kokeritz, and B. L. Schwaller, to Durabla Mfg. Co. 2,710,023, Cl. 137—543.19.
- Blackhall, James M., D. S. Baker, and P. O. Dahlman, to The North Electric Mfg. Co. 2,717,278, Cl. 179—16.
- Blackledge, Edward T.: *See*—  
Cummings, James F. 2,704,651.
- Blackman, Birt G.: *See*—  
Nelson, Donald O., and Blackman. 2,718,161.
- Blackman, Birt G., to Bendix Aviation Corp. 2,713,639, Cl. 250—36.
- Blackman, Glenn R. 2,700,528, Cl. 251—166.
- Blackman, Glenn R. 2,728,551, to Cl. 251—317.
- Blackman, Ralph B., and H. W. Bode, to Bell Telephone Laboratories, Inc. 2,710,720, Cl. 235—61.5.
- Blackman, Seymour N. 2,707,688, Cl. 117—37.
- Blackman, Stuart B., and J. E. Bell, to The Bristol Aeroplane Co. Ltd. 2,705,397, Cl. 60—39.09.
- Blackman, Thomas: *See*—  
Simpson, William F., and Blackman. 2,723,163.
- Blackmore, Joseph J., and A. C. Mayer. 2,710,664, Cl. 183—2.5.
- Blackstone & Co. Ltd.: *See*—  
Hallewell, George. 2,709,903.
- Blackstone Corp.: *See*—  
Lodge, Alvin. 2,700,884.
- Blackstone, Lloyd B. 2,708,087, Cl. 248—221.



- Blackwell, Basil D., and B. A. Peaster, to The Bristol Aeroplane Co. Ltd. 2,722,802, Cl. 60—39.16.  
 Blackwell, Homer W. 2,708,952, Cl. 143—6.  
 Blackwell, Richard G., to Rohr Aircraft Corp. 2,703,252, Cl. 294—78.  
 Blackwell, Winfield: *See*—  
   Norfleet, Charles M. 2,724,917.  
 Blahnik, Frank P. 2,728,625, Cl. 312—319.  
 Blair, Allen H., to Phillips Petroleum Co. 2,728,231, Cl. 73—407.  
 Blair, Clarence I. 2,714,465, Cl. 220—6.  
 Blair, Daniel B. 2,721,435, Cl. 56—26.5.  
 Blair, Elmer L. and G. P. 2,700,241, Cl. 43—44.2.  
 Blair, Frank, and F. J. Traxl,  $\frac{1}{3}$  to W. A. Snow. 2,700,217, Cl. 32—17.  
 Blair, George P.: *See*—  
   Blair, Elmer L. and G. P. 2,700,241.  
 Blair, James H., to Chayes Dental Instrument Co. 2,705,838, Cl. 32—28.  
 Blair, James H., to Chayes Dental Instrument Co. 2,707,402, Cl. 74—230.01.  
 Blair, Joseph H., Jr., to Food Machinery & Chemical Corp. 2,717,548, Cl. 99—360.  
 Blair, Lester L.: *See*—  
   Endres, Richard O., and Blair. 2,711,509.  
 Blair, Wallace M.: *See*—  
   Defoe, Edward C., and Blair. 2,721,833.  
 Blair, William E., to Servomechanisms, Inc. 2,699,065, Cl. 73—180.  
 Blaisdell, Charles O., H. G. Kohr, and S. J. Snorek, to Western Electric Co., Inc. 2,698,643, Cl. 154—1.  
 Blaisdell, Sidney B., to Edmands Co. 2,723,525, Cl. 57—58.36.  
 Blaise, Richard H. 2,713,847, Cl. 119—5.  
 Blaisie, Berndt S.: *See*—  
   Bouwers, Albert, Blaisie, and Bulhuis. 2,707,417.  
 Blake, Arthur J.: *See*—  
   Fessler, Frank. 2,714,573.  
 Blake, David R. 2,704,663, Cl. 267—1.  
 Blake, Edward S., to Monsanto Chemical Co. 2,723,195, Cl. 92—3.  
 Blake, Edward S., and N. R. Piesbergen, to Monsanto Chemical Co. 2,710,259, Cl. 99—154.  
 Blake, Floyd A., and L. D. Thompson, to Fairbanks, Morse & Co. 2,723,653, Cl. 123—120.  
 Blake, Ivan C., to Burgess Battery Co. 2,699,460, Cl. 136—111.  
 Blake, Ivan C., and M. E. Wilke, to Burgess Battery Co. 2,699,459, Cl. 136—111.  
 Blake, Leslie R., and A. H. Maggs, to The British Thomson-Houston Co. Ltd. 2,702,004, Cl. 103—1.  
 Blake, Oliver P. 2,715,901, Cl. 128—33.  
 Blake, Robert W., to The Firestone Tire & Rubber Co. 2,700,178, Cl. 18—30.  
 Blake, Samuel, to Enterprise-Moakler Co. Inc. 2,703,933, Cl. 33—132.  
 Blakely, John W. 2,706,653, Cl. 287—14.  
 Blakely, Robert T., to International Business Machines Corp. 2,720,642, Cl. 340—318.  
 Blakeman, Amoron R. 2,706,825, Cl. 15—176.  
 Blaker, David P. 2,716,020, Cl. 255—73.  
 Blanchard, Albert E., to Burndy Engineering Co. Inc. 2,712,167, Cl. 24—81.  
 Blanchard, Andre, to Schlumberger Well Surveying Corp. 2,725,713, Cl. 57—149.  
 Blanchard, Donn C., to Denison Corp. 2,714,432, Cl. 189—78.  
 Blanchard, Frederick W. 2,702,558, Cl. 134—138.  
 Blanchard, Wallace, Jr., to General Motors Corp. 2,719,592, Cl. 170—135.28.  
 Blanchette, Hilaire, and V. Bolduc, to La Compagnie J. A. Gosselin, Limitee. 2,703,188, Cl. 220—55.  
 Blanchette, Joseph A., and R. G. Richards, to Monsanto Chemical Co. 2,715,115, Cl. 260—84.3.  
 Blanchette, Louis M., and J. A. Drude, to Chrysler Corp. 2,722,199, Cl. 121—41.  
 Bland, John W. 2,721,409, Cl. 40—86.  
 Bland, Reginald B. 2,719,290, Cl. 340—324.  
 Bland, Rophie E., to Houdry Process Corp. 2,704,739, Cl. 196—52.  
 Blandford, Charles B. 2,702,690, Cl. 255—14.  
 Blanding, Forrest H., to Standard Oil Development Co. 2,701,230, Cl. 196—50.  
 Blaney, Arthur C.: *See*—  
   Pettus, James L., and Blaney. 2,726,286.  
 Blank, Le Roy: *See*—  
   McMahon, John W., Blank, Windle, and Poole. 2,703,183.  
 Blank, Robert E., and A. A. Arters, to The Sherwin-Williams Co. 2,727,051, Cl. 260—424.  
 Blanke, Nathan E., and H. J. Sands, to The Harvard Mfg. Co. Re. 23,926, Cl. 5—299.  
 Blankenship, Elijah. 2,712,782, Cl. 97—67.  
 Blankette Corp.: *See*—  
   Lahnstein, Joseph A. and E. K. 2,705,326.  
 Blanks, Henry S., to Radio Corp. of America. 2,728,021, Cl. 315—10.  
 Blann, Henry G., to Lily-Tulip Cup Corp. 2,717,730, Cl. 226—84.  
 Blann, Lawrence R. 2,722,224, Cl. 132—88.5.  
 Blanton, Grover, to Hosdreg Co., Inc. 2,708,548, Cl. 230—141.  
 Blanton, Harvie B. 2,720,397, Cl. 273—85.  
 Blas, Seymour E.: *See*—  
   Henoch, Ralph E., and Blas. 2,703,407.  
 Blaser, Bruno, and G. Tischbirek, to Henkel & Cie, G. m. b. H. 2,716,114, Cl. 260—239.3.  
 Blaser, Teddy W., to The B. F. Goodrich Co. 2,706,238, Cl. 219—21.  
 Blashfield, Floyd A., to American Hospital Supply Corp. 2,709,634, Cl. 312—111.  
 Blass, Judd, and L. H. Schall, to Raytheon Mfg. Co. 2,704,802, Cl. 219—10.55.  
 Blatchford, Clair W., to General Electric Co. 2,713,250, Cl. 62—4.  
 Blatherwick, Delbert T., to Robertson Photo-Mechanix, Inc. 2,727,431, Cl. 88—24.  
 Blatt, David H., to Associated Packaging Co. 2,719,566, Cl. 154—32.  
 Blatt, Leland F. 2,706,918, Cl. 77—55.  
 Blatt, Paula. 2,710,486, Cl. 2—41.  
 Blatt, Paula. 2,719,639, Cl. 2—73.  
 Blatt, Paula. 2,719,973, Cl. 2—41.  
 Blatt, Paula. 2,719,974, Cl. 2—41.  
 Blatt, Paula. 2,722,012, Cl. 2—224.  
 Blatt, Paula. 2,723,395, Cl. 2—42.  
 Blattmann, Albert, to Siemens-Schuckertwerke Aktiengesellschaft. 2,724,282, Cl. 74—388.  
 Blattmann & Co.: *See*—  
   Staerkle, Max A., and Meier. 2,698,818.  
   Staerkle, Max A., and Meier. 2,698,936.  
   Staerkle, Max A., Meier, and Christoffel. 2,698,937.  
 Blattner, Emil H., to The Symington-Gould Corp. 2,700,454, Cl. 105—200.  
 Blattner, Emil H., to The Symington-Gould Corp. 2,710,750, Cl. 267—9.  
 Blattner, Emil H., to The Symington-Gould Corp. 2,720,987, Cl. 213—47.  
 Blattner, Emil H., to The Symington-Gould Corp. 2,721,771, Cl. 308—47.  
 Blattner, Emil H., to The Symington-Gould Corp. 2,727,635, Cl. 213—72.  
 Blatz, William J., R. H. Belt, and C. W. Miller, to McDonnell Aircraft Corp. 2,725,203, Cl. 244—83.  
 Blau, Henry H., to The Ohio State University Research Foundation. 2,701,208, Cl. 106—47.  
 Blaurock, Edward E., to United States Rubber Co. 2,709,096, Cl. 287—85.  
 Blaustein, Paul H., F. D. R. Wald, and W. J. Millard, Jr.: *said Blaustein and said Wald assors. to said Millard.* 2,712,976, Cl. 346—33.  
 Blaw-Knox Co.: *See*—  
   Badlam, Stephen. 2,712,250.  
   Bedson, Noel P. 2,701,016.  
   Eckstrom, Albert W. 2,713,895.  
   Eckstrom, Albert W. 2,718,215.  
   Garrow, Gerard L. 2,698,453.  
   Jensen, John D. 2,708,782.  
   Joseph, Lawrence E. 2,705,550.  
   Meisenburg, Karl. 2,713,217.  
   Pottmeyer, Edward W. 2,725,855.  
   Saxon, Arthur F. 2,722,339.  
   Wilson, Bert A. 2,701,496.  
 Blayney, James L., to Philco Corp. 2,701,850, Cl. 315—10.  
 Blayney, James L., to Philco Corp. 2,716,231, Cl. 340—370.  
 Bleakney, Robert M., and E. J. Workman, to the United States of America as represented by the Secretary of the Navy. 2,712,791, Cl. 102—70.2.  
 Blears, Jack, to Metropolitan-Vickers Electrical Co. Ltd. 2,712,399, Cl. 222—3.  
 Bleck, Max E., and E. H. Replogle, to Stanley Aviation Corp. 2,726,831, Cl. 244—122.  
 Bleckman, Wilbert C. 2,708,326, Cl. 43—57.5.  
 Bledsoe, Carl F., to Ogle Construction Co. 2,719,653, Cl. 222—185.  
 Bledsoe, Ophard. 2,703,899, Cl. 15—160.  
 Blekfeld, Elmer L.: *See*—  
   Betts, George E., Jr., Blekfeld, and McCanner. 2,716,959.  
 Blepp, Theodore B. 2,725,561, Cl. 2—19.  
 Blessing, Leonard M. 2,712,815, Cl. 123—142.5.  
 Blessis, John A.: *See*—  
   Hallowell, Charles G. 2,702,669.  
 Bletcher, James H.: *See*—  
   Bletcher, Ralph E., and Ward. 2,706,998.  
   Bletcher, Ralph E., and Ward. 2,726,120.  
 Bletcher, Pearl W.: *See*—  
   Bletcher, Ralph E., and Ward. 2,706,998.  
   Bletcher, Ralph E., and Ward. 2,726,120.  
 Bletcher, Ralph E., and I. A. Ward, 5% to said R. E. Bletcher, 12 $\frac{1}{2}$ % to E. H. Bucknell, 12 $\frac{1}{2}$ % to M. Bucknell, 10% to P. W. Bletcher, 25% to M. B. Liston, 10% to J. H. Bletcher, 10% to H. B. Skinner, 8% to C. R. B. Robertson, 2% to F. K. Robertson, as trustee, and 5% to J. H. Bletcher, as trustee. 2,706,998, Cl. 137—436.  
 Bletcher, Ralph E., and I. A. Ward, 5% to R. E. Bletcher, 12 $\frac{1}{2}$ % to E. H. Bucknell, 12 $\frac{1}{2}$ % to M. Bucknell, 10% to P. W. Bletcher, 25% to M. B. Liston, 10% to J. H. Bletcher, 10% to H. B. Skinner, 8% to C. R. B. Robertson, 2% to F. K. Robertson, and 5% to J. H. Bletcher. 2,726,120, Cl. 299—145.  
 Bletz, Edward, to Stevens Mfg. Co., Inc. 2,717,289, Cl. 200—138.  
 Bletz, Edward, to Stevens Mfg. Co., Inc. 2,720,568, Cl. 200—138.  
 Bleuenstein, Julius M.: *See*—  
   Ensign, Elbert E., Van Patten, and Bleuenstein. 2,726,431.  
 Blevans, Don W., to Orbit Valve Co. 2,719,022, Cl. 251—163.  
 Blévin, André E. J. 2,717,354, Cl. 323—47.



- Blicke, Frederick F., to Regents of The University of Michigan. 2,708,194, Cl. 260—239.
- Blicke, Frederick F., to Regents of The University of Michigan. 2,716,650, Cl. 260—332.2.
- Blind, Karl A., to Dings Magnetic Separator Co. 2,724,504, Cl. 209—223.
- Blinn, Glenn E., to Walker Brothers. 2,721,983, Cl. 339—156.
- Blinn, Welford C. 2,716,338, Cl. 73—73.
- Blish, Matthew B. 2,704,556, Cl. 138—56.
- Bliss, Charles, to Foster Wheeler Corp. 2,723,651, Cl. 112—333.
- Bliss, Charles H., and H. W. Wallace, to General Electric Co. 2,728,061, Cl. 339—196.
- Bliss, Crittenden: *See—*  
Armitage, James D., Bliss, and Ezell. 2,715,587.
- Bliss, George N. 2,708,515, Cl. 209—111.
- Bliss, George N. 2,714,523, Cl. 294—87.
- Bliss, Harvey N., to Veeder-Root, Inc. 2,716,524, Cl. 235—139.
- Bliss, Harvey N., to Veeder-Root, Inc. 2,719,004, Cl. 235—1.
- Bliss, Jack E., and A. J. Joseph, to Phillips Petroleum Co. 2,715,450, Cl. 183—2.5.
- Bliss, Nora: *See—*  
Bliss, Russell. 2,711,573.
- Bliss, Russell, to N. Bliss. 2,711,573, Cl. 25—131.
- Bliss, William R. 2,724,055, Cl. 250—36.
- Blitz, Daniel, to Sanders Associates, Inc. 2,707,272, Cl. 339—17.
- Blitz, Daniel, to Raytheon Mfg. Co. 2,712,625, Cl. 318—331.
- Blitz, Daniel, to Raytheon Mfg. Co. 2,714,206, Cl. 343—14.
- Bliven, Arthur E. 2,711,547, Cl. 9—24.
- Blizzard, James R., J. W. Firth, and L. M. Wynkoop, to Tee-Pak, Inc. 2,722,714, Cl. 17—42.
- Blizzard, James R., J. W. Firth, and L. M. Wynkoop, to Tee-Pak, Inc. 2,722,715, Cl. 17—45.
- Blizzard, James R., J. W. Firth, and L. M. Wynkoop, to Tee-Pak, Inc. 2,723,201, Cl. 99—176.
- Bloch, Elsie C. and G. 2,713,360, Cl. 139—391.
- Bloch, Felix, and W. W. Hansen, deceased, by O. D. Ross, executor,  $\frac{1}{2}$  to said F. Bloch and  $\frac{1}{2}$  to J. L. Hansen. Re. 23,950, Cl. 324—35.
- Bloch, Godfrey: *See—*  
Bloch, Elsie C. and G. 2,713,360.
- Bloch, Godfrey. 2,701,406, Cl. 28—76.
- Bloch, Heinz, to "Patelhold" Patentverwertungs- & Elektro-Holding A.-G. 2,720,599, Cl. 310—26.
- Bloch, Herman S., to Universal Oil Products Co. 2,719,164, Cl. 260—407.
- Bloch, Herman S., and E. M. Geiser, to Universal Oil Products Co. 2,698,870, Cl. 260—676.
- Bloch, Herman S., and G. L. Hervert, to Universal Oil Products Co. 2,703,330, Cl. 260—505.
- Bloch, Herman S., and G. L. Hervert, to Universal Oil Products Co. 2,717,243, Cl. 252—138.
- Bloch, Herman S., and R. C. Wackher, to Universal Oil Products Co. 2,726,272, Cl. 260—666.
- Bloch, Herman S., and R. C. Wackher, to Universal Oil Products Co. 2,726,273, Cl. 260—666.
- Bloch, Herman S., and R. C. Wackher, to Universal Oil Products Co. 2,726,274, Cl. 260—666.
- Bloch, Ingram, to the United States of America as represented by the United States Atomic Energy Commission. 2,714,170, Cl. 250—84.
- Bloch, Leon. 2,714,728, Cl. 4—185.
- Blocker, Ora G., and G. J. Martin. 2,708,366, Cl. 73—194.
- Block & Anderson Ltd.: *See—*  
Brown, Roland, and Watton. 2,724,330.
- Block, Arnold H., to Bendix Aviation Corp. 2,716,862, Cl. 60—39.28.
- Block, Elton E. 2,713,170, Cl. 2—153.
- Block, Lester W.: *See—*  
Block, Sydney J., and L. W. 2,725,574.
- Block, Raymond L. 2,718,887, Cl. 128—253.
- Block, Richard J., and D. Bolling, to The Borden Co. 2,710,858, Cl. 260—115.
- Block, Sydney J., and L. W. Block, to California Forms, Inc. 2,725,574, Cl. 2—267.
- Blockinger, John J.: *See—*  
Blockinger, William, Sr. and J. J. 2,722,769.
- Blockinger, William, Sr. and J. J. 2,722,769, Cl. 43—44.91.
- Blodgett, Edwin O., to Commercial Controls Corp. 2,700,421, Cl. 164—113.
- Blodgett, Edwin O., to Commercial Controls Corp. 2,700,445, Cl. 197—17.
- Blodgett, Edwin O., to Commercial Controls Corp. 2,700,446, Cl. 197—20.
- Blodgett, Edwin O., to Commercial Controls Corp. 2,700,447, Cl. 197—20.
- Blodgett, Norman S.: *See—*  
Lorusso, Daniel J. Re. 23,960.
- Blohm, Clyde L., and F. C. Riesenfeld, to The Fluor Corp., Ltd. 2,712,978, Cl. 23—2.
- Blok, Hendrik L., to Algemene Kunstzijde Unie, N. V. 2,706,090, Cl. 242—18.
- Blok, Lourens, and D. C. Van Iperen, to Hartford National Bank and Trust Co., trustee. 2,714,648, Cl. 219—10.79.
- Blomberg, Barend J., to American Enka Corp. 2,728,629, Cl. 8—151.2.
- Blomberg, Eric W., and D. R. Collis. 2,709,300, Cl. 30—228.
- Blomberg, Harry, to The Youngstown Steel Door Co. 2,711,700, Cl. 105—369.
- Blomberg, Martin P., to General Motors Corp. 2,703,056, Cl. 105—188.
- Blomberg, Richard N., and W. F. Bruce, to American Home Products Corp. 2,700,681, Cl. 260—566.
- Blomberg, Richard N., and W. F. Bruce, to American Home Products Corp. 2,700,682, Cl. 260—566.
- Blomgren, Axel E., to Raymond Engineering Laboratory, Inc. 2,698,657, Cl. 161—1.
- Blomquist, Albert E., to Fairchild Engine and Airplane Corp. 2,720,274, Cl. 180—60.
- Blomquist, Albert E. 2,723,811, Cl. 244—1.
- Blondé, Robert G., to Societe Alsacienne de Constructions Mecaniques. 2,711,443, Cl. 178—43.5.
- Blonder, Isaac S.: *See—*  
Rines, Robert H., and Blonder. 2,703,363.
- Tongue, Ben H., and Blonder. 2,710,314.
- Blood Bank of Dade County, Inc.: *See—*  
Griffitts, James J. 2,706,482.
- Bloom, Abe M. 2,705,913, Cl. 99—427.
- Bloom, Abe M. 2,713,900, Cl. 161—7.
- Bloom, Justin L.: *See—*  
Smith, William C., Anderson, and Bloom. 2,714,122.
- Bloom, Louis. 2,724,211, Cl. 46—79.
- Bloomenthal, Sidney, to Automatic Electric Laboratories, Inc. 2,710,930, Cl. 310—154.
- Bloomer Bros. Co.: *See—*  
Brown, Lloyd K. 2,724,308.
- Inman, William H. 2,708,065.
- Inman, William H. 2,718,347.
- Inman, William H. 2,720,143.
- Inman, William H. 2,725,174.
- Inman, William H. 2,725,175.
- Inman, William H. 2,725,176.
- Inman, William H. 2,725,177.
- Mobley, Edwin H. F. 2,699,711.
- Bloomer, Ward J., to The Lummus Co. 2,711,214, Cl. 158—4.
- Bloomer, Ward J., to Lummus Co. 2,726,196, Cl. 196—50.
- Bloomer, Ward J., and H. R. Davis, to The Lummus Co. 2,718,757, Cl. 60—39.65.
- Bloomfield Industries, Inc.: *See—*  
Meara, William F. 2,717,306.
- Bloomfield, Richard J.: *See—*  
Pruitt, Malcolm E., Baggett, Bloomfield, and Templeton. 2,706,182.
- Bloomfield, William J. 2,720,663, Cl. 9—9.
- Bloomstran, Hilmer F.: *See—*  
Spindler, Norman J., Bloomstran, Larson, and Oram. 2,717,699.
- Bloos, Julius: *See—*  
Schotsch, Michael. 2,698,487.
- Bloser, Dwight W., to Bendix Aviation Corp. 2,724,969, Cl. 73—228.
- Bloss, Richard R., and J. D. Bennett, to Dresser Equipment Co. 2,707,093, Cl. 255—23.
- Blouin, Arthur E.: *See—*  
Cowie, Wilbur E., and Blouin. 2,713,167.
- Blount, Charles, Jr., to The United Piece Dye Works. 2,720,018, Cl. 26—18.5.
- Blowney, John S., to General Electric Co. 2,705,902, Cl. 88—24.
- Bloxham, Verlin A. 2,718,713, Cl. 34—223.
- Blu, Marshall A., to Sherry Corp. 2,711,917, Cl. 287—54.
- Blue, Charles: *See—*  
Flamm, Karl H. 2,706,582.
- Blue Industries, Inc.: *See—*  
Buckner, Louis H. 2,718,873.
- Blue, Robert D., and M. P. Neipert, to The Dow Chemical Co. 2,719,117, Cl. 204—220.
- Blue Bell, Inc.: *See—*  
Stanley, Eugene, J. J. Heap, and J. J. Heap, Jr. 2,700,946.
- Blue Bird Body Co.: *See—*  
Luce, George E. 2,709,494.
- Bluemner, Erwin. 2,714,086, Cl. 196—56.
- Blue Ridge Glass Corp.: *See—*  
Glynn, Theodore W. 2,706,763.
- Glynn, Theodore W. 2,709,211.
- Glynn, Theodore W. 2,710,493.
- Glynn, Theodore W. 2,716,696.
- Oxhandler, Samuel, and Lewis. 2,700,887.
- Bluestein, Ben A., to General Electric Co. 2,709,176, Cl. 260—448.2.
- Bluestein, Ben A., to General Electric Co. 2,717,257, Cl. 260—448.2.
- Bluestone, Henry: *See—*  
Lidov, Rex E., and Bluestone. 2,714,617.
- Bluffton Slaw Cutter Co.: *See—*  
Carmack, George L. 2,714,908.
- Fett, Clair B. 2,720,234.
- Blum, Albert H., and E. B. Holdren, to Bausch & Lomb Optical Co. 2,709,942, Cl. 88—1.
- Blum, Chase: *See—*  
Fritz, Rudolph A. 2,701,896.
- Fritz, Rudolph A. 2,723,418.
- Blum, Donald J.: *See—*  
Blum, Joseph K., R. G., and D. J. 2,713,398.
- Blum, Dora: *See—*  
Blum, Paul and D. 2,722,701.
- Blum, Harold T., to The Briar Hill Stone Co. 2,720,199, Cl. 125—16.
- Blum, Harold T., to The Briar Hill Stone Co. 2,720,200, Cl. 125—16.
- Blum, Hosmer L., to B. Tocci-Guilbert and H. G. Hardy, jointly, as trustees. 2,717,478, Cl. 51—134.5.
- Blum, Joseph K., R. G., and D. J. 2,713,398, Cl. 183—68.
- Blum, Paul and D. 2,722,701, Cl. 15—126.



- Blum, Robert D., to York Corp. 2,712,927, Cl. 261—11.  
 Blum, Roger G.: *See*—  
 Blum, Joseph K., R. G., and D. J. 2,713,398.  
 Blumberg, Benjamin J. 2,718,234, Cl. 137—197.  
 Blumberg, David: *See*—  
 Puckett, Lawrence P., Jr., Schillinger, Segal, and Blumberg. 2,704,876.  
 Blumberg, Max. 2,710,009, Cl. 131—172.  
 Blume, Roe C., to E. I. du Pont de Nemours and Co. 2,705,710, Cl. 260—229.  
 Blumenbaum, Louis G.: *See*—  
 Langlois, Roland E., and Blumenbaum. 2,723,876.  
 Blumenthal, Armin. 2,714,093, Cl. 252—113.  
 Blumenthal, Herman, to Radiator Specialty Co. 2,791,505, Cl. 116—63.  
 Blumer, Armin, to Maschinenfabrik & Giesserei Netstal A. G. 2,727,277, Cl. 18—30.  
 Blumstein, Albert, to Cavitron Corp. 2,716,849, Cl. 51—187.  
 Blundell, Solon A., Jr., and E. H. Flewelling, Jr., to Celanese Corp. of America. 2,722,507, Cl. 202—234.  
 Blydenburgh, Harold L., to The Mote-Mower Co. 2,706,372, Cl. 56—25.4.  
 Blydenburgh, Harold L., to The Moto-Mower Co. 2,721,348, Cl. 15—183.  
 Blyth, Charles R., to The Hoover Co. 2,698,910, Cl. 310—51.  
 Blythe, Richard H., to the United States of America as represented by the Secretary of the Navy. 2,700,114, Cl. 307—108.  
 Boakes, Isabella. 2,719,703, Cl. 259—118.  
 Boam, Willard M., and H. H. Hanink, to Curtiss-Wright Corp. 2,714,760, Cl. 29—196.  
 Board, Ralph, to Sun Electric Corp. 2,703,376, Cl. 315—219.  
 Boarman, Robert W., to Columbia Boiler Co. of Pottstown. 2,708,569, Cl. 257—133.  
 Boat, Earl M., to Standard Gage Co., Inc. 2,702,946, Cl. 33—178.  
 Boat, Earl M., and W. J. Croshier, to Standard Gage Co., Inc. 2,707,931, Cl. 116—124.  
 Boatright, Leslie G., to American Cyanamid Co. 2,712,491, Cl. 23—75.  
 Boatright, Leslie G., and J. S. Mackay, to American Cyanamid Co. 2,721,786, Cl. 23—190.  
 Bobb, Lloyd J.: *See*—  
 Reed, Frank J., and Bobb. 2,719,884.  
 Bobb, Sidney: *See*—  
 Rachman, Isadore B., and Bobb. 2,725,153.  
 Bobel, William S., to Pittsburgh Plate Glass Co. 2,723,427, Cl. 20—56.4.  
 Bober, Frank J. and T. T. 2,699,626, Cl. 43—55.  
 Bober, Thomas T.: *See*—  
 Bober, Frank J. and T. T. 2,699,626.  
 Bobier, Wilfred S., Jr., to G. M. and E. Holley. 2,700,276, Cl. 60—39.28.  
 Bobier, Wilfred S., Jr., to G. M. and E. Holley. 2,702,560, Cl. 137—48.  
 Bobkiewicz, Emilian. 2,706,312, Cl. 19—7.  
 Bobo, Frank E., Jr.: *See*—  
 Leath, William J., and Bobo. 2,711,627.  
 Leath, William J., and Bobo. 2,714,812.  
 Bobo, Powell O.: *See*—  
 Bradley, Schuyler L., and Bobo. 2,719,261.  
 Bobo, Roy A., to Phillips Petroleum Co. 2,703,532, Cl. 103—233.  
 Bobrick, Arthur L., to Bobrick Mfg. Corp. 2,707,119, Cl. 287—60.  
 Bobrick Mfg. Corp.: *See*—  
 Bobrick, Arthur L. 2,707,119.  
 Bobrowski, Henry. 2,702,113, Cl. 198—121.  
 Bobrowski, Louis G.: *See*—  
 Curtiss, George E., Jr., and Bobrowski. 2,710,217.  
 Curtiss, George E., Jr., and Bobrowski. 2,728,596.  
 Bobrowski, William. 2,707,857, Cl. 55—93.  
 Boby, Robert, Ltd.: *See*—  
 Stewart, Iain M., and Wesson. 2,701,422.  
 Bocchino, Joseph J. 2,718,714, Cl. 34—236.  
 Bocek, Leonard, to American Steel Foundries. 2,728,464, Cl. 213—32.  
 Bochan, John: *See*—  
 Shelton, Winston L., and Bochan. 2,707,088.  
 Bochan, John, to General Electric Co. 2,712,746, Cl. 68—17.  
 Bochmann, Rolf: *See*—  
 Buysch, Heinrich A., and Bochmann. 2,724,888.  
 Bochumer Eisenhütte Heintzmann & Co.: *See*—  
 Heintzmann, Hans F., and Stuhlmann. 2,713,774.  
 Bocjl Corp.: *See*—  
 Lang, Joseph C. 2,701,360.  
 Winkler, Richard. 2,712,768.  
 Bock, Ashley P., to Westinghouse Electric Corp. 2,724,037, Cl. 219—10.77.  
 Bock, Carl J., to General Motors Corp. 2,711,222, Cl. 180—23.  
 Bock, Charles D., to American Bosch Arma Corp. 2,713,143, Cl. 323—52.  
 Bock & Co.: *See*—  
 Marvin, Stanley, and Miller. 2,700,236.  
 Bock, George E., to Whiting Corp. 2,700,937, Cl. 104—140.  
 Bock, George E., and V. H. Ames, to Whiting Corp. 2,718,195, Cl. 105—90.  
 Bock, George E., and V. H. Ames, to Whiting Corp. 2,718,197, Cl. 105—215.  
 Bock, Louis H., to Rayonier Inc. 2,724,723, Cl. 260—520.  
 Bock, Louis H., and J. K. Anderson, to Rayonier Inc. 2,699,438, Cl. 260—78.3.  
 Bockius, Louis V.: *See*—  
 Schlabach, Raymond M., and Bockius. 2,705,346.  
 Böckman, Oluf C., to Allmanna Svenska Elektriska Aktiebolaget. 2,723,367, Cl. 317—61.  
 Böckmann, Klaus: *See*—  
 Suckfull, Fritz, and Böckmann. 2,712,006.  
 Bocking, Benjamin B., to Armco Steel Corp. 2,700,908, Cl. 80—18.  
 Bodamer, George W., to Rohm & Haas Co. 2,723,229, Cl. 204—98.  
 Bodan, Howard. 2,698,682, Cl. 206—1.  
 Bode, Hendrik W.: *See*—  
 Blackman, Ralph B., and Bode. 2,710,720.  
 Boden, James H. 2,716,699, Cl. 240—10.  
 Bodendoerfer, Raymond E.: *See*—  
 Kummer, Theodore H., and Bodendoerfer. 2,700,494.  
 Bodenstein, Camillo: *See*—  
 Lockemann, Wilhelm, and Bodenstein. 2,700,067.  
 Bodin, Eric G. 2,706,327, Cl. 29—96.  
 Bodine, Albert G., Jr. 2,700,422, Cl. 166—9.  
 Bodine, Albert G., Jr. 2,702,559, Cl. 137—38.  
 Bodine, Albert G., Jr. 2,706,450, Cl. 103—1.  
 Bodine, Albert G., Jr. 2,713,472, Cl. 255—4.4.  
 Bodine, Albert G., Jr. 2,717,763, Cl. 255—4.6.  
 Bodine, Albert G., Jr. 2,712,816, Cl. 123—191.  
 Bodine, Albert G., Jr. 2,720,844, Cl. 103—219.  
 Bodine, Albert G., Jr. 2,721,100, Cl. 299—25.  
 Bodine, Albert G., Jr. 2,725,264, Cl. 308—4.  
 Bodle, Virgil H.: *See*—  
 Harwin, Dixon R., Stern, and Bodle. 2,703,909.  
 Bodman, John W., to Lever Brothers Co. 2,714,303, Cl. 68—3.  
 Bodmer, Bernard D. 2,702,326, Cl. 200—61.18.  
 Bodnar, John J.: *See*—  
 Lewis, Sidney, and Bodnar. 2,701,323.  
 Bodnar, Louis. 2,713,470, Cl. 248—302.  
 Bodtke, Robert G.: *See*—  
 Hilton, Ralph W. 2,703,711.  
 Body, Alfred C., to The Ohio Crankshaft Co. 2,716,689, Cl. 219—6.  
 Boecker-Stuart, Inc.: *See*—  
 Boecker, Theodore J. 2,705,210.  
 Boecker, Theodore J., to Boecker-Stuart, Inc. 2,705,210, Cl. 154—53.6.  
 Boedeker, Edward R., and W. E. Erner, to Houdry Process Corp. 2,719,183, Cl. 260—668.  
 Boegehold, Alfred L. 2,703,929, Cl. 30—212.  
 Boeglin, Edward H.: *See*—  
 Burkardt, Anton F., and Boeglin. 2,726,921.  
 Boehm, Carl A., and E. C. Raehrs, to The Cincinnati Milling Machine Co. 2,709,395, Cl. 90—33.  
 Boehm, George L. 2,724,920, Cl. 43—12.  
 Boehm, Gerhard W.: *See*—  
 Konet, Henry, Boehm, and Hurlburt. 2,726,457.  
 Boehm, Otto: *See*—  
 Nebe, Erich, and Boehm. 2,719,172.  
 Boehm, Robert M., and H. R. Hunt, to Masonite Corp. 2,703,293, Cl. 117—65.  
 Boehm, Walter G., to Jervis B. Webb Co. 2,708,501, Cl. 198—27.  
 Boehne, Eugene W., to Allis-Chalmers Mfg. Co. 2,721,916, Cl. 200—144.  
 Boehringer, C. H., Sohn: *See*—  
 Wieland, Theodor. 2,709,164.  
 "Boehringer, C. H., Sohn": *See*—  
 Konz, Wilhelm, and Vogelbach. 2,719,868.  
 Boeing Airplane Co.: *See*—  
 Anacker, Kenneth L. 2,717,440.  
 Anacker, Kenneth L. 2,725,773.  
 Anderson, Carter. 2,721,757.  
 Anderson, Roy H., and Youngs. 2,724,284.  
 Exner, Donald W. 2,699,462.  
 Gardiner, Edward M. 2,717,979.  
 Haley, Robert G. 2,717,714.  
 Hill, James L. 2,706,917.  
 Plath, Robert. 2,706,410.  
 Robinson, Robert B. 2,726,331.  
 Soderstrom, Harry R. 2,705,083.  
 Stiemann, Russell W. 2,724,781.  
 Tatam, Raymond F. 2,703,431.  
 Tatam, Raymond F., Butler, Lee, and Lund. 2,726,056.  
 White, Roland J. 2,718,365.  
 Wright, Gilbert F., and Newton. 2,702,537.  
 Boekhorst, Antonius, to Hartford National Bank and Trust Co., trustee. 2,714,159, Cl. 250—20.  
 Boelens, Willem W., to Hartford National Bank and Trust Co., trustee. 2,698,899, Cl. 250—27.  
 Boelens, Willem W., to Hartford National Bank and Trust Co., trustee. 2,714,157, Cl. 250—20.  
 Boeri, Guido, to Brevetti Di Procedimenti Chimici S. r. l. 2,710,789, Cl. 23—102.  
 Boering, Brooke W. 2,712,411, Cl. 229—87.  
 Boerner, Lewis W., E. C. Holmes, and H. B. Murray, to National Foam System, Inc. 2,703,146, Cl. 169—4.  
 Boersma, Barney, to Sackner Products, Inc. 2,724,431, Cl. 155—184.  
 Boersma, Sipko L. 2,719,269, Cl. 332—51.  
 Boertzel, Robert L., to the United States of America as represented by the Secretary of the Navy. 2,705,782, Cl. 339—93.  
 Boerum, Frank L., to the United States of America as represented by the Secretary of the Navy. 2,704,354, Cl. 339—93.  
 Boesch, John C., Jr., to Lilliston Implement Co. 2,698,528, Cl. 64—28.



- Boestad, Gustav K. W.: *See*—  
Lysholm, Alf, Boestad, and Nilsson. 2,720,935.
- Boestad, Gustav K. W., to J. C. Marble, L. M. Merrill, and P. H. Batten, trustees. 2,701,130, Cl. 257—256.
- Boettcher, Stephen A., to Crane Packing Co. 2,722,089, Cl. 51—131.
- Bogar, Earl M., Jr. 2,712,138, Cl. 5—287.
- Bogart, Harold N., and R. B. Melmoth, to Ford Motor Co. 2,716,604, Cl. 75—130.
- Bogart, Marcel J. P.: *See*—  
Schauble, Otto C., Mekler, Palchik, and Bogart. 2,718,216.
- Bogaty, Stanislaus, to Proctor and Schwartz, Inc. 2,713,213, Cl. 34—82.
- Bogdan, John F., and C. M. Asbill, Jr., to the United States of America as represented by the Secretary of Agriculture. 2,698,538, Cl. 73—159.
- Bogdanovich, Louie, to The French Sardine Co. of California. 2,713,879, Cl. 146—78.
- Bogdanski, Donald F.: *See*—  
Pallotta, Arthur J., Bogdanski, and Thomas. 2,715,795.
- Bogdanski, Paul: *See*—  
Gdovichin, George G., and Bogdanski. 2,709,583.
- Bogdanski, William. 2,708,989, Cl. 190—61.
- Bogenberger, Esther E. 2,705,325, Cl. 2—69.
- Boger, Vernon G., to The B. F. Goodrich Co. 2,715,085, Cl. 154—43.5.
- Bogert, Thure, to Aktiebolaget Addo. 2,704,591, Cl. 197—66.
- Bogert, Thure B., to Aktiebolaget Addo. 2,727,681, Cl. 235—60.5.
- Boggs, Alben C., to Edwin L. Wiegand Co. 2,727,120, Cl. 201—67.
- Boggs, Alben C., and L. D. Drugmand, to Edwin L. Wiegand Co. 2,723,340, Cl. 219—38.
- Boggs, Herbert D.: *See*—  
Murdock, Forrest L., Sr., Boggs, and Reeson. 2,726,009.
- Boggs, Walter W.: *See*—  
Russell, John K., and Boggs. 2,709,524.
- Bogot, Alexander: *See*—  
Greacen, Walter, 3rd, Bishop, and Bogot. 2,698,929.
- Bogue, Edward A., and C. W. Musser, to ETC, Inc. 2,715,199, Cl. 317—191.
- Bohannon, Barbara E. 2,722,940, Cl. 132—45.
- Bohannon, George S., F. B. Williams, and R. O. Graham, to Crown Machine and Tool Co. 2,718,662, Cl. 18—30.
- Bohenek, Steven. 2,709,865, Cl. 42—70.
- Bohlbro, Hans, to Esso Research and Engineering Co. 2,728,805, Cl. 260—683.15.
- Bohler, Francis M. 2,726,675, Cl. 137—397.
- Bonn, George. 2,710,967, Cl. 2—260.
- Bohm, Victor C. 2,702,464, Cl. 68—43.
- Bohme Fettchemie G. m. b. H.: *See*—  
Rätz, Rudi. 2,722,531.
- Böhme, Hans. 2,700,903, Cl. 74—395.
- Bohmer, Charles S., to Square Tool & Die Co., Inc. 2,701,398, Cl. 20—92.
- Bohn Aluminum & Brass Corp.: *See*—  
Palmer, Frederick B., Brown, Pond, and Hinz. 2,711,568.
- Bohnet, Emil. 2,702,430, Cl. 33—75.
- Bohnet, Emil. 2,707,893, Cl. 81—58.3.
- Bohnet, William J., to Union Carbide and Carbon Corp. 2,709,367, Cl. 73—355.
- Bohnsack, John A., and C. C. Gueli. 2,714,729, Cl. 5—43.
- Boice-Crane Co.: *See*—  
Boice, John E. 2,716,353.
- Boice, Elvin G., to Reed Roller Bit Co. 2,700,443, Cl. 192—56.
- Boice, Elvin G., to Reed Roller Bit Co. 2,711,912, Cl. 285—115.
- Boice, Elvin G., to Reed Roller Bit Co. 2,719,026, Cl. 255—302.
- Boice, Elvin G., to Reed Roller Bit Co. 2,721,058, Cl. 255—61.
- Boice, Elvin G., to Reed Roller Bit Co. 2,727,729, Cl. 255—72.
- Boice, Elvin G., and R. G. Peter, to Reed Roller Bit Co. 2,719,027, Cl. 255—313.
- Boice, Elvin G., and R. G. Peter, to Reed Roller Bit Co. 2,728,559, Cl. 255—334.
- Boice, Howard. 2,708,976, Cl. 169—26.
- Boice, John E., to Boice-Crane Co. 2,716,353, Cl. 74—472.
- Boice Mfg. Co., Inc.: *See*—  
Green, Xan B. K. 2,725,636.
- Boice, Nelson R., Jr. 2,711,615, Cl. 47—1.
- Boing, Richard: *See*—  
Fechheimer, Paul R., Boing, and Frederick. 2,725,138.
- Bolsvert, Jean-Baptiste, to Forano Limitee. 2,707,884, Cl. 74—448.
- Boitnott, Boyd D., and J. P. Zawacki, to Oil Center Tool Co. 2,726,104, Cl. 285—96.1.
- Boiven, William J. 2,724,188, Cl. 33—178.
- Bojner, Gustav. 2,715,517, Cl. 257—241.
- Bok, Harald A. 2,699,254, Cl. 209—137.
- Böker, Reinhard, and H. G. Fuchs, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Brüning. 2,701,815, Cl. 260—569.
- Böker, Reinhard, and H. G. Fuchs, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Brüning. 2,716,117, Cl. 260—243.
- Bokum, William F., to Proctor & Schwartz, Inc. 2,713,182, Cl. 19—163.
- Bolaño, José M. 2,712,131, Cl. 1—27.
- Boland Machine & Mfg. Co., Inc.: *See*—  
Rosamond, Samuel M., and Campbell. 2,720,857.
- Bolanowski, John P., to National Cylinder Gas Co. 2,726,960, Cl. 99—134.
- Bold, John,  $\frac{1}{3}$  to G. Elverston and  $\frac{1}{3}$  to British Launderers' Research Association. 2,715,413, Cl. 137—387.
- Boldridge, Austin G. 2,712,220, Cl. 60—39.59.
- Boldrin, Luigi. 2,712,896, Cl. 233—28.
- Bolduc, Viateur: *See*—  
Blanchette, Hilaire, and Bolduc. 2,703,188.
- Bole, George B.: *See*—  
Streb, Joseph C., and Bole. 2,705,571.
- Bolenbaugh, Elmer P.,  $\frac{1}{2}$  to C. E. Van Sickle, and  $\frac{1}{3}$  to J. T. May. 2,711,323, Cl. 275—2.
- Boles, Robert W., and M. Shupe. 2,699,012, Cl. 47—41.
- Bolesky, John D., to A. Medert, and R. W. Bolesky, trustees. 2,717,936, Cl. 200—138.
- Bolesky, Russell W.: *See*—  
Bolesky, John D. 2,717,936.
- Bolger, Joseph A. 2,710,500, Cl. 51—242.
- Bolidens Gruvaktiebolag: *See*—  
Kihlstedt, Per G., and Löfgren. 2,711,823.
- Bolin, Einar A. F.: *See*—  
Mayer, Erwin, and Bolin. 2,725,301.
- Boller, Harry B.: *See*—  
Dames, Trent R., Strom, Maloney, Chivens, and Boller. 2,702,473.
- Riordan, Matthew B., Jr., Boller, and Hambly. 2,701,615.
- Boller, Henry A., to Carter Carburetor Corp. 2,703,705, Cl. 261—34.
- Bolles, Elmer R., to Hawaiian Sugar Planters Association. 2,710,097, Cl. 209—12.
- Bolling, Diana: *See*—  
Block, Richard J., and Bolling. 2,710,858.
- Bolognese, Alfred. 2,707,344, Cl. 40—1.5.
- Bolsey, Jacques: *See*—  
Allen, Thomas D., Jr. 2,713,158.
- Bolsey, Jacques. 2,707,416, Cl. 88—18.4.
- Bolsey, Jacques. 2,718,832, Cl. 95—44.
- Bolsey, Jacques. 2,723,592, Cl. 88—24.
- Bolsey, Jacques. 2,727,447, Cl. 95—31.
- Bolsey, Jacques, R. V. Nicolosi, and P. J. M. Richartz: said Nicolosi and said Richartz assors. to said Bolsey. 2,698,546, Cl. 74—625.
- Bolsey, Jacques, E. Elison, and R. V. Nicolosi: said Elison and said Nicolosi assors. to said Bolsey. 2,712,770, Cl. 88—17.
- Bolsius, Johannes C. C., and W. C. ter Stege, to Hartford National Bank and Trust Co. 2,728,412, Cl. 184—6.
- Bolte, Frank B.: *See*—  
Keller, Philip B., and Bolte. Re. 23,939.
- Bolte, Frank B., to North American Aviation, Inc. 2,707,810, Cl. 20—56.5.
- Bolton, Duncan G., to E. I. du Pont de Nemours & Co. 2,707,018, Cl. 154—42.
- Bolton, John W., & Sons, Inc.: *See*—  
Stuck, Harold D. 2,723,515.
- Stuck, Harold D. 2,725,795.
- Bolton, Joseph C. 2,702,210, Cl. 304—27.
- Bolton, Philip S., and P. W. Horeysek, to Robert Gair Co., Inc. 2,727,439, Cl. 92—20.
- Bolton, Wilbert V. 2,707,890, Cl. 81—6.
- Bolton, Wilbur M., to The Commonwealth Engineering Co. of Ohio. 2,714,904, Cl. 143—24.
- Boltuch, Leon. 2,711,875, Cl. 248—292.
- Bomac Laboratories Inc.: *See*—  
Broderick, Richard J. 2,714,193.
- Carter, George E., Jr. 2,724,791.
- Heins, Harold. 2,710,932.
- McCarthy, Henry J. 2,717,475.
- Bombardier, Joseph A. 2,721,485, Cl. 74—243.
- Bombardieri, Ippolito, to Origin Rapp S. p. A. 2,705,975, Cl. 139—166.
- Bommarito, Ciro L., and W. J. Harvey, to the United States of America as represented by the Secretary of the Army. 2,712,234, Cl. 73—141.
- Bon, Henri, to Etablissements Neyrpic. 2,701,706, Cl. 253—24.
- Bonaccorsi, James F. 2,708,085, Cl. 248—198.
- Bonanno, Joseph L., to Airex Mfg. Co., Inc. 2,705,113, Cl. 242—84.4.
- Bonanno, Joseph L., to The Lionel Corp. 2,722,773, Cl. 46—39.
- Bonanno, Joseph L., to The Lionel Corp. 2,725,668, Cl. 46—40.
- Bonaventura, Mary. 2,708,273, Cl. 2—196.
- Bonawit, Oby J. 2,703,140, Cl. 160—199.
- Bond, Alexander E., to Imperial Chemical Industries Ltd. 2,705,226, Cl. 260—45.5.
- Bond, Donald C., to The Pure Oil Co. 2,725,281, Cl. 23—230.
- Bond, Donald C., to The Pure Oil Co. 2,727,574, Cl. 166—38.
- Bond, Donald C., and N. B. Russell, to The Pure Oil Co. 2,724,267, Cl. 73—155.
- Bond, Donald H., to The Texas Co. 2,706,496, Cl. 138—65.
- Bond, Rufus L., III. 2,717,818, Cl. 312—7.
- Bond, Walter L., to Bell Telephone Laboratories, Inc. 2,724,663, Cl. 117—107.
- Bonds, Clyde L.: *See*—  
Shidell, Garold A., and Bonds. 2,725,940.
- Bone, Arnold R., to Dennison Mfg. Co. 2,701,722, Cl. 276—45.
- Bone, Herbert L., to Westinghouse Air Brake Co. 2,699,853, Cl. 192—48.
- Bone, James S.: *See*—  
Hollman, Edward G., Morse, and Bone. 2,727,083.
- Bonforte, John. 2,704,500, Cl. 98—42.
- Bongers, Wilhelmus J.: *See*—  
Diemer, Gesinus, Lemmens, and Bongers. 2,699,516.
- Bongers, Wilhelmus J., to Hartford National Bank and Trust Co., trustee. 2,726,687, Cl. 140—71.5.



- Bongiorno, Albert J.: *See*—  
Bongiorno, Leonard. 2,722,270.
- Bongiorno, Leonard: *See*—  
Bongiorno, Leonard. 2,722,270.
- Bongiorno, Leonard, to L. Bongiorno, M. and J. Rosen, E. Ellner, and A. J. Bongiorno. 2,722,270, Cl. 158—28.
- Bongiovanni, Joseph T. 2,705,062, Cl. 189—75.
- Bongiovanni, Joseph T. 2,714,944, Cl. 189—36.
- Bonham, Albert W. 2,728,353, Cl. 137—624.
- Bonham, Walter G.,  $\frac{1}{2}$  to F. Vlcek, Jr. 2,718,210, Cl. 119—30.
- Bonnafe, Oliver W., to The Lapointe Machine Tool Co. 2,719,761, Cl. 308—3.
- Bonnar-Vawter, Inc.: *See*—  
Riordan, John M., and Richards. 2,722,909.
- Bonnaud, Henri, to L'Air Liquide Societe Anonyme pour l'Etude et l'Exploitation des Procédes Georges Claude. 2,705,873, Cl. 62—1.
- Bonnee, Henry A.: *See*—  
Lippe, Alexander H. 2,709,609.
- Bonnefont, Edmond B. F., to Société Française d'Equipements pour la Navigation Aérienne S. F. E. N. A. 2,711,651, Cl. 74—5.4.
- Bonnell, Charles R., to Minneapolis-Honeywell Regulator Co. 2,710,941, Cl. 323—90.
- Bonnell, William E. 2,726,532, Cl. 70—58.
- Bonner, David G.: *See*—  
Hughes, Herbert W. S., and Bonner. 2,704,944.
- Bonner, Frank E., to The Commonwealth Engineering Co. of Ohio. 2,727,668, Cl. 226—58.
- Bonner, Louis F., to Esso Research and Engineering Co. 2,713,010, Cl. 134—2.
- Bonner, Walter F.: *See*—  
Powers, Stephen J., and Bonner. 2,703,856.
- Bonnesen, Elmer J.,  $\frac{1}{2}$  to H. D. Brown. 2,702,060, Cl. 145—29.
- Bonnett, Robert N., to the United States of America as represented by the Secretary of the Army. 2,727,703, Cl. 242—128.
- Bonnette, Leroy E., E. M. McCullough, and E. H. Born, to The Denison Engineering Co. 2,699,123, Cl. 103—162.
- Bonnevay, Georges: *See*—  
Chibret, Rene, Petavy, and Bonnevay. 2,703,575.
- Bonniwell, Kenneth J. 2,720,127, Cl. 81—63.
- Bonnot, Maurice, to Societe des Electrodes et Refractaires Savoie. 2,728,109, Cl. 18—54.7.
- Bono, Frank M. 2,706,636, Cl. 273—206.
- Bonomolo, Matthew. 2,722,014, Cl. 4—7.
- Bonsignore, Carl J. 2,702,672, Cl. 242—55.3.
- Bonvillian, Claude A., R. C. Brierly, and S. Letvin. 2,701,011, Cl. 158—106.
- Bonvillian, Claude A., R. C. Brierly, and S. Letvin. 2,707,493, Cl. 138—63.
- Bonvillian, Claude A., R. C. Brierly, and S. Letvin. 2,727,566, Cl. 158—4.
- Boody, Frederick J.: *See*—  
Rudis, Joseph T., and Boody. 2,721,750.
- Booe, James M., to P. R. Mallory & Co., Inc. 2,710,369, Cl. 317—230.
- Booke, Kenneth E., to Westinghouse Electric Corp. 2,724,927, Cl. 49—2.
- Booker, Aylwin R., and R. E. Crump, to Electrofilm, Inc. 2,715,668, Cl. 219—19.
- Boon, Jan. 2,698,802, Cl. 99—138.
- Boon, Jan J. 2,709,487, Cl. 159—11.
- Boone, Fletcher S. 2,714,725, Cl. 4—148.
- Boone, Philip. 2,699,706, Cl. 88—65.
- Boone, Philip. 2,700,919, Cl. 88—65.
- Boone, Thetford B. 2,713,531, Cl. 312—183.
- Boone, William D.: *See*—  
Cartlidge, Frank, and Boone. 2,722,306.
- Boonstra, Lieuwé L., to N. V. Hollandsche Draad-En Kabel-fabriek. 2,722,699, Cl. 14—27.
- Boor, Ladislav. 2,706,909, Cl. 73—159.
- Boos, Wilfred J., to Acu-Rule Mfg. Co. 2,701,687, Cl. 235—70.
- Booth, Albert J., to Booth Products Corp. 2,707,463, Cl. 123—179.
- Booth, Christopher H., to Firth-Brown Tools Ltd. 2,708,376, Cl. 76—24.
- Booth, Christopher H. 2,712,240, Cl. 73—418.
- Booth, George M., to Wallace & Tiernan Inc. 2,720,314, Cl. 210—184.
- Booth, Jack J. 2,716,508, Cl. 222—131.
- Booth, Jack J. 2,727,667, Cl. 226—46.6.
- Booth, James H., to Thompson Products, Inc. 2,701,151, Cl. 287—90.
- Booth, John G., to Minneapolis-Honeywell Regulator Co. 2,701,577, Cl. 137—85.
- Booth, John V. 2,701,447, Cl. 60—54.
- Booth Products Corp.: *See*—  
Booth, Albert J. 2,707,463.
- Booth, Ralph E., to Apco Mossberg Co. 2,704,472, Cl. 81—52.4.
- Booth, Ralph E., to Apco Mossberg Co. 2,722,834, Cl. 73—139.
- Booth, Robert B.: *See*—  
Allen, Charles F., Aimone, and Booth. 2,719,081.
- Booth, William I. 2,711,172, Cl. 128—261.
- Boothe, James H., and S. Kushner, to American Cyanamid Co. 2,704,290, Cl. 260—343.3.
- Boothroyd, Wilson P., to Philco Corp. 2,708,716, Cl. 250—6.
- Boots, William C., to Foster Metal Products Inc. 2,723,429, Cl. 24—49.
- Bopf, Edward C., to Deere & Co. 2,722,874, Cl. 97—46.07.
- Bopp, Harold F., to Corning Glass Works. 2,716,300, Cl. 41—26.
- Borax Consolidated, Ltd.: *See*—  
Knight, Harold P. 2,700,604.
- Borch, Niels S., to F. L. Smidth & Co. 2,710,280, Cl. 202—13.
- Borcher, Charles A.: *See*—  
Godchaux, Paul L., II. 2,715,365.
- Borcher, Charles A. 2,708,409, Cl. 102—27.
- Borchert, Robert L.: *See*—  
Willcox, Thomas N., Borchert, and Harris. 2,710,988.
- Borck, Alfred G., to Aktiebolaget Separator. 2,705,620, Cl. 259—3.
- Borde, Josef. 2,722,214, Cl. 126—261.
- Borden Co., The: *See*—  
Block, Richard J., and Bolling. 2,710,858.
- Hale, James F., Nottingham, and Pitz. 2,712,501.
- MacLagan, Carl F., and Bradshaw. Re. 23,941.
- Mitchell, James S. 2,712,533.
- Stuart, Gerald H., and Watson. 2,714,069.
- Borden, David M.: *See*—  
Huebner, George J., Jr., and Borden. 2,699,319.
- Borden, Frederic W. 2,707,955, Cl. 128—278.
- Borden, Philip H., to Central Industrial Corp. 2,708,309, Cl. 30—40.
- Borden, Philip H., to Central Industrial Corp. 2,708,310, Cl. 30—66.
- Borden, Philip H., to Central Industrial Corp. 2,710,447, Cl. 30—58.
- Bordenca, Carl: *See*—  
Lazier, Wilbur A., and Bordenca. 2,710,825.
- Borela, Guido J.: *See*—  
Reymann, Edward H., and Borella. 2,716,406.
- Boren, Karl G.: *See*—  
Ostegren, Axel H., and Boren. 2,715,322.
- Borg, George W., Corp., The: *See*—  
Brandt, Robert E. 2,710,525.
- Grether, Lester M., and Olson. 2,715,812.
- Kinzinger, Siegfried M., and Malik. 2,705,880.
- Borg, Lennart, to Allmanna Svenska Elektriska Aktiebolaget. 2,712,635, Cl. 324—127.
- Borg, Richard J.: *See*—  
Stevenson, Peter C., Franke, Borg, and Nervik. 2,714,555.
- Borg, W. N., Corp., The: *See*—  
Tancred, William L. 2,709,728.
- Borg-Warner Corp.: *See*—  
Anderson, Edmund B. 2,698,527.
- Christy, Robert A. 2,724,591.
- Compton, James A. 2,700,397.
- Dodge, Adiel Y. 2,724,471.
- Flinn, George E. 2,699,073.
- Gillespie, Daniel C. 2,706,647.
- Hannum, John A. 2,721,792.
- Hettinger, Sidney V., Jr. 2,711,749.
- Hettinger, Sidney V., Jr., and Wayman. 2,725,762.
- Hornaday, James R., and Reeves. 2,718,121.
- Ingersoll, James H. 2,705,448.
- Ingersoll, James H. 2,705,534.
- Ingersoll, Roy C., Ferre, and Albert. 2,714,316.
- Jandasek, Vladimir J. 2,701,951.
- Kanuch, John A. 2,725,890.
- Kelbel, Donald W. 2,706,419.
- Kodet, Gustav. 2,727,529.
- Kodet, Gustav, Dewees, Melvin, and Burns. 2,715,367.
- La Flame, Frank E., and Hubacker. 2,713,969.
- Lauck, John A. 2,719,055.
- Lauck, John A. 2,721,448.
- Levitt, Leo L. 2,726,751.
- Lysett, Daniel W. 2,720,958.
- Mamo, Anthony C. 2,709,504.
- Minshall, Robert J., and Kanuch. 2,718,758.
- Orr, Palmer, and Conkle. 2,720,120.
- Orr, Palmer, and Swift. 2,708,017.
- Palm, James W. 2,718,293.
- Palm, James W. 2,721,638.
- Polomski, John B. 2,720,124.
- Potgieter, Fred M. 2,706,388.
- Simler, Oscar J., and Saunier. 2,714,241.
- Smirl, Richard L. 2,700,312.
- Smirl, Richard L. 2,700,341.
- Smirl, Richard L. 2,711,656.
- Smirl, Richard L. 2,712,373.
- Swenson, Carl E. 2,717,677.
- Swenson, Carl E. 2,724,472.
- Swift, Clifford L. 2,722,141.
- Tharpe, Rollin B., and McAninch. 2,711,100.
- Youngren, Harold T., English, and Hettinger. 2,699,076.
- Youngren, Harold T., English, and Hettinger. 2,715,343.
- Youngren, Harold T., English, and Hettinger. 2,720,298.
- Zeidler, Reinhold C. 2,717,673.
- Borgeaud, Gaston, to Schweizerische Lokomotiv-und Maschinenfabrik. 2,724,346, Cl. 105—222.
- Börger, Hans: *See*—  
Rössler, Heinrich G. F., and Börger. 2,724,448.
- Borger, James C., to Lockheed Aircraft Corp. 2,701,408, Cl. 29—90.
- Borgerd, William F., to International Harvester Co. 2,702,994, Cl. 62—140.
- Borgerd, William F., to International Harvester Co. 2,716,418, Cl. 137—61.
- Borgerd, William F., to International Harvester Co. 2,725,117, Cl. 183—52.



- Borgerd, William F., J. Calling, and H. B. Abbott, to International Harvester Co. 2,703,106, Cl. 137—625,29.
- Borges, Frank R., Jr., to American Viscose Corp. 2,710,155, Cl. 242—131.
- Borgeson, Benjamin T., and K. A. Smith, to Sinclair Refining Co. 2,699,421, Cl. 202—6.
- Borgeson, Sidney E.: *See*—  
Nelson, Alden W., and Borgeson. 2,711,026.
- Borgfeldt, Robert R. 2,702,586, Cl. 155—139.
- Borgman, Arthur C.: *See*—  
Meng, Victor W., and Borgman. 2,720,430.
- Borgman, Arthur C., and W. B. Sheard, to The Patent Scaffolding Co., Inc. 2,726,902, Cl. 304—40.
- Borgstrom, Herbert T. 2,725,740, Cl. 72—136.
- Borisch, Henry C., to American Motors Corp. 2,712,345, Cl. 155—7.
- Börjeson, Olov B.: *See*—  
Skardal, Karl A., and Börjeson. 2,707,420.
- Borkan, Harold, to Radio Corp. of America. 2,714,130, Cl. 178—5,4.
- Borkan, Harold, and P. K. Weimer, to Radio Corp. of America. 2,698,874, Cl. 178—5,4.
- Borman, August H.: *See*—  
Herndon, Walter B., and Borman. 2,726,746.
- Born, Ellis H.: *See*—  
Bonnette, Leroy E., McCullough, and Born. 2,699,123.
- Born, Heinz, to Ultraschall-Geratebau Dr. Born & Co. 2,724,107, Cl. 340—248.
- Born, William F.: *See*—  
Wallace, James B., and Born. 2,727,939.
- Born, William F., and J. Zipay, to Westinghouse Electric Corp. 2,725,541, Cl. 339—22.
- Born, William F., and J. B. Wallace, to Westinghouse Electric Corp. 2,725,542, Cl. 339—22.
- Born, William T., L. Y. Faust, and A. Wolf, to Geophysical Research Corp. 2,720,933, Cl. 181—5.
- Börner, Christian, to Vereinigte Glanzstoff-Fabriken A. G. 2,726,046, Cl. 241—91.
- Bornschein, Ernst. 2,722,098, Cl. 58—121.
- Bornstein, Alfred B. 2,711,170, Cl. 128—203.
- Bornzin, James H., to International Harvester Co. 2,703,246, Cl. 289—15.
- Bornzin, James H., to International Harvester Co. 2,718,189, Cl. 100—43.
- Bornzin, James H., to International Harvester Co. 2,723,572, Cl. 74—572.
- Bornzin, James H., to International Harvester Co. 2,725,009, Cl. 100—189.
- Borochoff, Charles Z., to Southern Wire & Iron Works. 2,718,916, Cl. 155—112.
- Boroszewski, Brunon V. 2,702,958, Cl. 42—75.
- Boroughs, Frank S., to Arrow Fastener Co., Inc. 2,719,971, Cl. 1—3.
- Borowsky, Francis J., to George K. Garrett Co., Inc. 2,713,186, Cl. 24—73.
- Borra, Peter. 2,710,554, Cl. 82—36.
- Borst, Lyle B., to the United States of America as represented by the United States Atomic Energy Commission. 2,726,339, Cl. 250—108.
- Bortnick, Newman M., to Rohm & Haas Co. 2,713,591, Cl. 260—453.
- Bortnick, Newman M., to Rohm & Haas Co. 2,718,516, Cl. 260—86,1.
- Borushko, Michael J., to Harding Mfg. Co. 2,728,686, Cl. 117—49.
- Borut, Abraham: *See*—  
Selbel, Peter E. 2,720,907.
- Boruvka, Otto. 2,720,699, Cl. 30—322.
- Borzum, Alexander. 2,713,235, Cl. 51—73.
- Bos, Louis B., to The Texas Co. 2,698,867, Cl. 260—624.
- Bosch, Carl, to Fox, Wells and Co. 2,717,840, Cl. 117—70.
- Bosch, Carl, to Barnes Engineering Co. 2,725,445, Cl. 200—144.
- Bosch, Robert, G. m. b. H.: *See*—  
Aldinger, Ulrich. 2,722,813.
- Banck, Werner, Baur, Hägele, and Rolli. 2,704,654.
- Lorenz, Max. 2,717,968.
- Lorenz, Max, Voigt, and Walch. 2,723,839.
- Ortlieb, Alfred, and Traub. 2,726,179.
- Schnarz, Ernst. 2,699,507.
- Boschi, Antonio, to Società Applicazioni Gomma Antivibranti. 2,699,934, Cl. 267—63.
- Boschi, Antonio, to Società Applicazioni Gomma Antivibranti. 2,708,352, Cl. 64—14.
- Boscia, Archie F., to General Dynamics Corp. 2,724,050, Cl. 250—27.
- Boshka, Joseph M.: *See*—  
Lear, William P., and Boshka. 2,705,064.
- Bosma, Alfred S., to Hart-Carter Co. 2,705,002, Cl. 123—195.
- Bosomworth, George P., and R. I. Bishop, to The Firestone Tire & Rubber Co. 2,700,182, Cl. 18—53.
- Bosomworth, George P., F. S. King, and R. C. Sprague, to The Firestone Tire & Rubber Co. 2,713,382, Cl. 154—9.
- Boss Mfg. Co., The: *See*—  
Waller, Harold E. 2,723,399.
- Bossard, Karl. 2,717,989, Cl. 340—236.
- Bossard, Le Roy T., and W. A. Eskridge. 2,725,752, Cl. 74—8.
- Bossard, Werner: *See*—  
Reding, Marcel, and Bossard. 2,707,182.
- Reding, Marcel, and Bossard. 2,707,183.
- Bossard, Werner, and A. Gyga, to J. R. Geigy A. G. 2,724,722, Cl. 260—519.
- Bossard, Werner, and O. Bitterlin, to J. R. Geigy A. G. 2,727,887, Cl. 260—173.
- Bosso, Giacomo, to Fiat S. p. A. 2,727,270, Cl. 15—245.
- Bossong, Carl, to Bossong-Werk G. m. b. H. 2,705,323, Cl. 1—44,5.
- Bossong-Werk G. m. b. H.: *See*—  
Bossong, Carl. 2,705,323.
- Bostitch, Inc.: *See*—  
Allen, Howard G. 2,722,002.
- Jenny, Robert W. 2,714,208.
- Lindstrom, Charles M. 2,707,278.
- Lindstrom, Charles M. 2,714,207.
- Lindstrom, Charles M. 2,714,209.
- Stebbing, Frank M. 2,698,938.
- Bostock, William, to Simon-Carves Ltd. 2,699,673, Cl. 73—61.
- Boston, John A., to Read Standard Corp. 2,714,358, Cl. 107—12.
- Boston, Malcolm E.: *See*—  
Alexander, Paul, Baxter, and Boston. 2,706,762.
- Boston Royal Petticoat Co.: *See*—  
Rosenberg, David L. 2,711,542.
- Boston Woven Hose and Rubber Co.: *See*—  
Knowland, Thomas M., and Stahle. 2,722,730.
- Mason, James N. 2,712,704.
- Mason, James N. 2,724,670.
- Boswau, Hans P., to Leich Electric Co. 2,714,628, Cl. 179—18.
- Botany Mills, Inc.: *See*—  
Vaterrodt, Peter. 2,719,782.
- Boteler, Henry W., to Grinnell Corp. 2,725,211, Cl. 251—77.
- Botkin, Carl, and J. Sulich, Jr., to General Aniline & Film Corp. 2,727,820, Cl. 95—6.
- Botknecht, Israel, also known as Israel Botnik. 2,702,650, Cl. 220—19.
- Botnik, Israel: *See*—  
Botknecht, Israel. 2,702,650.
- Botstiber, Dietrich W. 2,704,156, Cl. 210—1,5.
- Bottenhorn, Hermann A., to Hydropress, Inc. 2,703,614, Cl. 164—66.
- Botterill, John W., and H. C. Jorstad, to Mackworth G. Rees, Inc. 2,702,311, Cl. 174—19.
- Bothof, Charles L., H. J. Shultz, and O. E. Freedman, to Direct Image Offset Corp. 2,719,481, Cl. 101—149,2.
- Bottomley, Edward P. 2,700,491, Cl. 222—490.
- Bottomley, Richard E., to Amity Leather Products Co. 2,698,639, Cl. 150—35.
- Bottoms, Charles H., to Joseph Lucas Ltd. 2,717,490, Cl. 60—39,28.
- Bottorff, Albert H. 2,716,347, Cl. 74—15,6.
- Bottorff, Albert H. 2,721,724, Cl. 254—133.
- Bouchard, Blanche E.: *See*—  
Du Grenier, Francis C., and Perri. 2,726,749.
- Bouchard, Gaston R. 2,721,458, Cl. 64—21.
- Boucher, Alfred E., to H. Earl. 2,698,745, Cl. 261—90.
- Boucher, Frank G.: *See*—  
Ledgerwood, Leroy W., Jr., and Boucher. 2,698,736.
- Boucher, Frank G., to Esso Research and Engineering Co. 2,706,617, Cl. 255—63.
- Boucher, Frank G., to Esso Research and Engineering Co. 2,706,618, Cl. 255—300.
- Boucher, Frank G., to Esso Research and Engineering Co. 2,709,069, Cl. 255—1,4.
- Bouchet, Antoine J. G., to Samica Corp. 2,709,158, Cl. 252—378.
- Bouchez, Seraphin J.: *See*—  
Kuepfer, Matthew C., Horiak, and Bouchez. 2,709,425.
- Boudouris, Angelo. 2,718,931, Cl. 181—31.
- Boudreau, Alban M., to Hedstrom-Union Co. 2,726,876, Cl. 280—47,36.
- Boué, Jacques: *See*—  
Ferrier, Jacques J., and Boué. 2,704,891.
- Boughton, Emma W. 2,709,904, Cl. 65—15.
- Boughton, Olin W., to Bausch & Lomb Optical Co. 2,712,267, Cl. 88—24.
- Boughton, Theodore H.: *See*—  
Jorgensen, Clarence H., Nickel, Dietrich, and Boughton. 2,698,654.
- Bouillé, Joseph R.: *See*—  
Russell, John A., Bouillé, Sutherland, and Hamlin. 2,721,067.
- Boulet, Joseph H. 2,704,892, Cl. 33—164.
- Bouligny, R. H., Inc.: *See*—  
Rowe, Oliver R., and Stolp. 2,717,422.
- Boulware, James E., and W. H. Cannard, deceased (Ruth E. and Richard E. Cannard, administrators), to said Boulware. 2,703,771, Cl. 154—93.
- Bouma, Louis C. 2,723,486, Cl. 43—85.
- Bound Brook Oil-Less Bearing Co.: *See*—  
Scott, James J. 2,700,579.
- Boundy, James R., and S. A. Bergen, to Evershed & Vignoles Ltd. 2,721,277, Cl. 250—204.
- Boundy, James R., and S. A. Bergen, to Evershed & Vignoles Ltd. 2,728,041, Cl. 318—482.
- Bourassa, Hugues A., and W. H. Hogan, to The Cleveland Pneumatic Tool Co. 2,718,165, Cl. 81—33.
- Bourcier de Carbon, Christian M. L. L. 2,721,074, Cl. 267—64.
- Bourcier de Carbon de Prévinquières, Christian M. L. L. 2,719,611, Cl. 188—88.
- Bourcier de Carbon de Prévinquières, Christian M. L. L. 2,719,612, Cl. 188—88.
- Bourdeau, Eusèbe, to La Telemecanique Electrique (Société Anonyme). 2,713,623, Cl. 200—113.
- Bourdeau, Georges: *See*—  
Lerousseau, Robert, and Bourdeau. 2,717,611.
- Bourdon, Napoleon J. 2,717,400, Cl. 9—21.



- Bourdon, Pierre M., to Compagnie Generale des Etablissements Michelin. 2,720,240, Cl. 152—406.
- Bourgeois, Maurice M., to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. 2,708,813, Cl. 49—17.
- Bourgonjon, Louis R., to Hartford National Bank and Trust Co., trustee. 2,698,876, Cl. 178—66.
- Bourke, Edgar R.: *See*—  
Barrett, Edward L. 2,711,519.  
Barrett, Edward L. 2,711,527.  
Klostermann, Curt W. 2,699,534.
- Bourne, Joseph B., and C. Croome. Re. 24,027, Cl. 189—75.
- Bourner, Howard L., to Temco, Inc. 2,716,820, Cl. 34—82.
- Bournier, Julian W. 2,708,790, Cl. 33—74.
- Bourns, Marlan E.: *See*—  
Goeppinger, Edward J., and Bourns. 2,711,463.
- Bourns, Marlan E. 2,721,246, Cl. 201—63.
- Bourns, Marlan E., M. E. Harrison, E. J. Goeppinger, R. M. Whitehorn, and W. M. Hedges; said Harrison, said Goeppinger, said Whitehorn, and said Hedges assors. to said Bourns. 2,706,230, Cl. 201—62.
- Bourquin, Jean-Pierre: *See*—  
Stoll, Arthur, and Bourquin. 2,715,628.  
Stoll, Arthur, and Bourquin. 2,717,251.
- Bourret, Birt: *See*—  
Allman, Arvel D. 2,714,717.
- Bourseau, Jean, and G. Comte, to Compagnie Generale d'Electricite. 2,705,744, Cl. 179—175.3.
- Bousman, Henry W., to General Electric Co. 2,719,262, Cl. 324—57.
- Bousman, Samuel I., to Process Engineers Inc. 2,727,628, Cl. 210—55.
- Bouthillette, Antonio, and E. St. Pierre, to Hemphill Co. 2,709,351, Cl. 66—138.
- Bouvat-Martin, Jean, to Societe Generale Isothermos. 2,714,027, Cl. 287—58.
- Bouvier, Ernest F. 2,725,109, Cl. 180—6.48.
- Bouvier, George A.: *See*—  
McFarlane, Maynard D., and Bouvier. 2,704,306.
- Bouvier, George A., to Lane-Wells Co. 2,714,931, Cl. 166—119.
- Bouvier, George A., to Dresser Industries, Inc. 2,715,441, Cl. 166—127.
- Bouwers, Albert, S. Blaisse, and H. W. Bulthuis, to N. V. Optische Industrie "De Oude Delft." 2,707,417, Cl. 88—57.
- Bova, Joseph A. 2,725,208, Cl. 248—89.
- Bovard, Richard F.: *See*—  
Ballentyne, Gustave C., and Bovard. 2,720,921.
- Bovenkerk, Harold P., to General Electric Co. 2,700,633, Cl. 154—116.
- Bovet, Daniel, and G. B. Marini-Bettolo, 50% to F. E. Paternó. 2,725,386, Cl. 260—340.3.
- Bowan, Walter J.: *See*—  
Mueller, Frank H., and Bowan. 2,709,606.
- Bowden, Joshua P.: *See*—  
Schlecht, Charles H., and Bowden. 2,708,512.
- Bowden, Maurice A. 2,701,189, Cl. 48—180.
- Bowditch, Hoel L., to The Foxboro Co. 2,707,092, Cl. 251—182.
- Bowditch, Hoel L., to The Foxboro Co. 2,711,187, Cl. 137—492.
- Bowditch, Hoel L., to The Foxboro Co. 2,717,820, Cl. 346—140.
- Bowditch, Hoel L., to The Foxboro Co. 2,727,802, Cl. 346—140.
- Bowen, Albert H., to Monsanto Chemical Co. 2,712,003, Cl. 260—72.
- Bowen, Albert V. 2,699,865, Cl. 206—16.
- Bowen, Arnold E., deceased (by V. C. Bowen, executrix), and W. W. Mumford, to Bell Telephone Laboratories, Inc. 2,701,341, Cl. 333—10.
- Bowen, Arnold E., to Bell Telephone Laboratories, Inc. 2,701,344, Cl. 333—98.
- Bowen, Bertram E. V.: *See*—  
Bewley, Thomas, Bowen, Bramwyche, and Jackson. 2,715,145.
- Bowen, Billi: *See*—  
Metzler, Charles L., Wark, and Bowen. 2,704,640.
- Bowen, Charles J.: *See*—  
McKibban, Joseph L., and Bowen. 2,714,922.
- Bowen, Earl M., to The Ingersoll Milling Machine Co. Re. 23,969, Cl. 77—3.
- Bowen, Kenneth D., D. R. Keck, and D. C. Lee, Jr., to Celanese Corp. of America. 2,700,677, Cl. 260—452.
- Bowen, Leslie G. 2,711,472, Cl. 219—39.
- Bowen, Richard L., Jr. 2,727,398, Cl. 74—230.17.
- Bowen, Robert I., to Raytheon Mfg. Co. 2,726,327, Cl. 250—20.
- Bowen, Virginia C.: *See*—  
Bowen, Arnold E., and Mumford. 2,701,341.
- Bowen, William M., to Oxy-Catalyst, Inc. 2,718,460, Cl. 23—288.
- Bowen, William M., III, to E. J. Houdry. 2,702,635, Cl. 209—466.
- Bower, Albert B., and A. R. Spreen, to Southern Steel and Stove Co., Inc. 2,709,551, Cl. 236—96.
- Bower, Atwood G., to Eastman Kodak Co. 2,718,975, Cl. 216—21.
- Bower, Frank W. 2,704,673, Cl. 280—47.19.
- Bower, Frank W. 2,709,037, Cl. 232—4.
- Bower, Fred C., and R. J. Jacobs, to The Black-Clawson Co. 2,728,532, Cl. 242—56.
- Bower, James A., to Taylor, Smith & Taylor, The Hall China Co., and Harker Pottery Co. 2,719,623, Cl. 198—19.
- Bower, John L., to North American Aviation, Inc. 2,725,199, Cl. 242—9.
- Bower, Kendall O., to General Motors Corp. 2,702,331, Cl. 200—166.
- Bower, Warren R.: *See*—  
Moore, Robert E., and Bower. 2,725,546.
- Bowers, Charles E., to The Fibre Metal Products Co. 2,710,965, Cl. 2—3.
- Bowers, Charles E., Sr., to The Fibre Metal Products Co. 2,718,006, Cl. 2—10.
- Bowers, Frederick H. 2,710,709, Cl. 222—192.
- Bowers, James B., and I. Benghiat, to Stauffer Chemical Co. 2,727,035, Cl. 260—243.
- Bowers, Maurice E. 2,713,325, Cl. 119—97.
- Bowers, Theron L.: *See*—  
Bellamy, John I., and Bowers. 2,725,428.
- Bowers, Walter A.: *See*—  
Routh, Felix L. 2,709,867.
- Bowersett, Charles F., W. J. Donahue, Jr., and K. L. Baker. 2,718,192, Cl. 102—81.2.
- Bowersox, Marvin W. 2,719,393, Cl. 55—103.
- Bowes, Arthur S., T. St. Clair, and W. E. Amberg, to Continental Can Co., Inc. 2,728,209, Cl. 65—61.
- Bowes, Thomas D.: *See*—  
Schulte, Fritz. 2,715,528.
- Bowes, Thomas D. 2,715,663, Cl. 200—80.
- Bowes, Thomas D. 2,715,689, Cl. 310—102.
- Bowles, George W., to Fort Howard Paper Co. 2,721,307, Cl. 324—52.
- Bowles, Vernon O., to Socony-Vacuum Oil Co., Inc. 2,699,929, Cl. 261—114.
- Bowles, Vernon O., to Socony Mobil Oil Co., Inc. 2,714,504, Cl. 261—114.
- Bowlzer, Daniel H., to Kirkhill Inc. 2,717,757, Cl. 251—86.
- Bowman, David F., to Airborne Instruments Laboratory, Inc. 2,700,104, Cl. 250—33.
- Bowman, Edward W., to Laclede-Christy Co. 2,699,741, Cl. 110—99.
- Bowman, Edward W. 2,701,078, Cl. 222—117.
- Bowman, Ernest, to F. N. Mamer. 2,719,659, Cl. 224—5.
- Bowman, Howard J.: *See*—  
Williams, Elmer W., and Bowman. 2,716,692.
- Bowman, Howard J., to Trent Tube Co. 2,716,691, Cl. 219—10.
- Bowman, Hyman D. 2,708,230, Cl. 219—34.
- Bowman, John M., to Philco Corp. 2,706,774, Cl. 250—16.
- Bowman, Norman J., and R. A. Dinerstein, to Standard Oil Co. 2,702,289, Cl. 260—96.5.
- Bowman, Robert W., to Specialties Development Corp. 2,704,582, Cl. 169—31.
- Bowman, Samuel. 2,721,063, Cl. 259—109.
- Bowman, Samuel G. 2,725,661, Cl. 43—61.
- Bowman, Spencer, to Westinghouse Air Brake Co. 2,706,624, Cl. 262—26.
- Bowman, Thomas W. 2,703,824, Cl. 179—157.
- Bowne, Garrett D., III, to Sylvania Electric Products Inc. 2,699,594, Cl. 29—25.3.
- Bowne, M. S.: *See*—  
Webb, Cecil E. 2,713,189.  
Webb, Cecil E. 2,716,265.
- Bowns, Desmond E.: *See*—  
Ballentyne, David H., Davies, and Bowns. 2,706,888.
- Bowser, Alan W. 2,728,196, Cl. 62—1.
- Bowser, Inc.: *See*—  
Marvel, Harvey E. 2,725,986.
- Bowtell, James N., to General Electric Co. 2,722,631, Cl. 315—183.
- Box, E. O., Jr., to Phillips Petroleum Co. 2,712,559, Cl. 260—605.
- Boxall, Donald E.: *See*—  
Johnson, William E., and Boxall. 2,716,453.
- Boxer, Julius: *See*—  
Skolnick, Max, and Boxer. 2,724,109.
- Boyar-Schultz Corp.: *See*—  
Bunnell, William S. 2,709,931.  
Rinehart, Wandall C., and Ryan. 2,701,355.
- Boyce, Arthur L., and C. L. George. 2,705,396, Cl. 60—35.6.
- Boyce, Carrol R. 2,712,135, Cl. 4—57.
- Boyce, Eugene L., to Johnston Lawn Mower Corp. 2,716,559, Cl. 280—47.36.
- Boyce, Guy B., to Alfred Bullows & Sons Ltd. 2,722,395, Cl. 251—28.
- Boyce, Henrietta E. 2,700,161, Cl. 2—240.
- Boyce, Leonard D., to Carter Carburetor Corp. 2,715,500, Cl. 236—101.
- Boyce, Leonard D., to Carter Carburetor Corp. 2,715,520, Cl. 261—14.
- Boyce, Leonard D., to Carter Carburetor Corp. 2,726,124, Cl. 309—23.
- Boyce Thompson Institute for Plant Research, Inc.: *See*—  
Denny, Frank E. 2,706,678.  
Denny, Frank E. 2,708,624.  
Denny, Frank E. 2,720,452.
- Boyd, Bruce: *See*—  
Rambo, Sheldon I., and Boyd. 2,723,334.
- Royd, Charles J. 2,717,172, Cl. 294—86.
- Boyd, Dean M., to C. T. Hewitt. 2,708,264, Cl. 339—21.
- Boyd, George H., and M. Hayek, to E. I. du Pont de Nemours & Co. 2,723,246, Cl. 260—29.6.
- Boyd, Ida I. 2,713,114, Cl. 240—46.53.
- Boyd, John J. 2,719,606, Cl. 185—41.
- Boyd, Joseph L. 2,710,040, Cl. 153—20.
- Boyd, Lord Q., to Standard Oil Co. 2,726,149, Cl. 71—2.2.
- Boyd, Samuel N., Jr., to E. I. du Pont de Nemours and Co. 2,701,801, Cl. 260—326.



- Boyd, Samuel N., Jr., to E. I. du Pont de Nemours and Co. 2,701,802, Cl. 260—326.
- Boyd, Samuel N., Jr., to E. I. du Pont de Nemours and Co. 2,716,655, Cl. 260—381.
- Boyd, Thomas, to Monsanto Chemical Co. 2,702,965, Cl. 47—58.
- Boyd, Thomas, to Monsanto Chemical Co. 2,702,966, Cl. 47—58.
- Boyd, Thomas, to Monsanto Chemical Co. 2,710,850, Cl. 260—67.
- Boyd, Thomas, to Monsanto Chemical Co. 2,710,851, Cl. 260—72.
- Boyd, Thomas, to Monsanto Chemical Co. 2,710,852, Cl. 260—72.
- Boyd, Thomas, to Monsanto Chemical Co. 2,716,656, Cl. 260—429.
- Boyd, Thomas, to Monsanto Chemical Co. 2,727,918, Cl. 260—429.
- Boyd, Thomas, and H. A. Walter, to Monsanto Chemical Co. 2,700,031, Cl. 260—67.5.
- Boyd, Thomas, and H. A. Walter, to Monsanto Chemical Co. 2,700,032, Cl. 260—67.5.
- Boyd, Thomas, and H. A. Walter, to Monsanto Chemical Co. 2,700,033, Cl. 260—67.5.
- Boyd, Thomas, and R. M. Dickey, to Monsanto Chemical Co. 2,710,267, Cl. 117—124.
- Boyd, Winnett: *See*—  
Second, Lloyd C., and Boyd. 2,701,949.
- Boyd, Winnett, to A. V. Roe Canada Ltd. 2,710, 503, Cl. 60—39.37.
- Boyd, Winnett, to A. V. Roe Canada Ltd. 2,712,740, Cl. 64—9.
- Boyden, Robert E.: *See*—  
Drake, Edward P., and Boyden. 2,724,550.
- Boyden, Robert E., and H. H. Freeman, to Clary Corp. 2,724,328, Cl. 101—94.
- Boydston, Ira S. 2,721,928, Cl. 219—38.
- Boyen, John L.: *See*—  
Currier, Farnsworth, and Boyen. 2,725,459.
- Boyen, John L., to Currier Co. 2,703,093, Cl. 134—172.
- Boyer, Charles P., to Kaiser Aluminum & Chemical Corp. 2,718,288, Cl. 189—34.
- Boyer, Francis H. 2,711,013, Cl. 30—22.
- Boyer, John L., to Westinghouse Electric Corp. 2,727,936, Cl. 13—31.
- Boyer, John L., to Westinghouse Electric Corp. 2,727,937, Cl. 13—33.
- Boyer, John L., and C. G. Hagensick, to Westinghouse Electric Corp. 2,707,258, Cl. 318—197.
- Boyer, Joseph M., to Douglas Aircraft Co., Inc. 2,724,052, Cl. 250—33.
- Boyer, Joseph M., and V. L. Tucker, to Douglas Aircraft Co., Inc. 2,701,338, Cl. 333—6.
- Boyer, Keith, to the United States of America as represented by the Secretary of the Air Force. 2,706,274, Cl. 324—83.
- Boyer, Keith, to the United States of America as represented by the Secretary of the Air Force. 2,709,806, Cl. 343—16.
- Boyer, Richard P., Jr., to International Telephone and Telegraph Corp. 2,710,893, Cl. 179—22.
- Boyer, Richard P., Jr., to International Telephone and Telegraph Corp. 2,718,557, Cl. 179—27.
- Boykin, Lykes M.: *See*—  
Mims, Samuel S. Re. 23,953.
- Boyle, Alfred. 2,707,453, Cl. 116—118.
- Boyle, Archibald R., and T. Byrne, to Dobbie McInnes Ltd. 2,708,361, Cl. 59.
- Boyle, John R., to Illinois Testing Laboratories, Inc. 2,709,360, Cl. 73—17.
- Boyle, John R., to E. A. Mertes. 2,720,085, Cl. 62—4.
- Boyle, Kenneth E., and R. S. Woodman. 2,711,789, Cl. 160—106.
- Boyle-Midway Inc.: *See*—  
Cameron, Joseph W. 2,708,347.
- Podolak, Walter F., and Bagley. 2,703,425.
- Boyle, Ralph C.: *See*—  
Ferguson, Henry A., and Boyle. 2,723,569.
- Boyle, William C., and M. H. Bursk, to Armco Steel Corp. 2,718,117, Cl. 61—16.
- Boyles, Elmo N. 2,719,728, Cl. 280—104.5.
- Boyles, Robert L., to General Electric Co. 2,721,441, Cl. 58—19.
- Boynton, Erwin R., and W. T. Rauch, to Ski Land Equipment Co. 2,709,966, Cl. 104—173.
- Boynton, Harry L. 2,715,907, Cl. 132—41.
- Boynton, Wentworth D., to Western Electric Co., Inc. 2,701,471, Cl. 73—160.
- Bozek, Leo A., and J. J. McGinnis, to Vickers Inc. 2,711,698, Cl. 103—136.
- Brabender, Carl W., to Pillsbury Mills, Inc. 2,712,209, Cl. 53—16.
- Brabender, Carl W., and W. R. Coyne, to Pillsbury Mills, Inc. 2,709,914, Cl. 73—76.
- Bracco, Donato J., and W. R. Watson, to Sylvania Electric Products, Inc. 2,712,751, Cl. 73—7.
- Brace, George A., to The Hoover Co. 2,707,527, Cl. 183—37.
- Brace, George A., to The Hoover Co. 2,710,072, Cl. 183—36.
- Brace, George A., to The Hoover Co. 2,713,222, Cl. 38—79.
- Brace, George A., to The Hoover Co. 2,713,223, Cl. 38—79.
- Brace, George A., to The Hoover Co. 2,713,224, Cl. 38—79.
- Brace, George A., to The Hoover Co. 2,718,076, Cl. 38—79.
- Brace, George A., to The Hoover Co. 2,719,317, Cl. 15—332.
- Brace, George A., to The Hoover Co. 2,719,319, Cl. 15—333.
- Brace, George A., to The Hoover Co. 2,719,371, Cl. 37—77.
- Brace, George A., to The Hoover Co. 2,719,597, Cl. 183—43.
- Brace, George A., to The Hoover Co. 2,719,600, Cl. 183—51.
- Brace, George A., to The Hoover Co. 2,719,702, Cl. 239—84.
- Brace, George A., to The Hoover Co. 2,722,285, Cl. 183—43.
- Brace, George A., to The Hoover Co. 2,725,114, Cl. 183—37.
- Brace, George A., to The Hoover Co. 2,727,321, Cl. 38—79.
- Brace, Neal O., to E. I. du Pont de Nemours and Co. 2,719,074, Cl. 23—87.
- Bracey, Cecil, and R. J. Barbour. 2,720,048, Cl. 43—17.
- Brach, E. I., & Sons: *See*—  
Zimmer, Clyde R. 2,725,831.
- Brach, E. J., & Sons: *See*—  
Barton, Albert R. 2,704,722.
- Brackbill, Allen G. 2,722,934, Cl. 128—264.
- Bracke, Robert F., to Mall Tool Co. 2,728,564, Cl. 261—69.
- Bracken, Wallace H., to The American Pad & Textile Co. 2,717,391, Cl. 2—94.
- Brackett, Fred M.: *See*—  
Daneke, Dietrich. 2,707,632.
- Braconier, Frédéric F. A., and P. Rayet, to Societe Belge de l'Azote et des Produits Chimiques du Marly. 2,705,732, Cl. 260—656.
- Braconier, Frédéric F. A., and J. M. J. Hermesse, to Societe Belge de l'Azote et des Produits Chimiques du Marly. 2,727,049, Cl. 260—410.9.
- Bracutt, Michael: *See*—  
Levenstein, Harold, and Bracutt. 2,709,234.
- Brad Foote Gear Works: *See*—  
Gunderson, Gunnar E. 2,699,841.
- Bradbury, Frederick J., to Automotive Products Co. Ltd. 2,720,295, Cl. 192—08.
- Bradbury, Frederick J., and F. M. Mott, to Automotive Products Co., Ltd. 2,713,850, Cl. 121—38.
- Bradfield, Elmer H. 2,713,859, Cl. 124—45.
- Bradfield, Geoffrey, to National Research Development Corp. 2,716,708, Cl. 310—9.6.
- Bradfield, George K., Jr., to ACF Industries, Inc. 2,699,556, Cl. 5—10.
- Bradford, William. 2,718,250, Cl. 150—8.
- Bradley, Addison B., Jr., to Birtman Electric Co. 2,704,692, Cl. 306—13.
- Bradley, Earl E. 2,718,097, Cl. 51—48.
- Bradley, Leslie W., to International Business Machines Corp. 2,700,757, Cl. 340—164.
- Bradley Mining Co.: *See*—  
Willardson, Robert K., Beer, and Middleton. 2,719,253.
- Bradley, Robert O., and C. H. Maurice, Jr., to Toledo Scale Co. 2,724,585, Cl. 265—5.
- Bradley, Robert O., and M. C. Yeasting, to Toledo Scale Co. 2,728,285, Cl. 99—256.
- Bradley, Robert W., and N. S. Derrah, to United Shoe Machinery Corp. 2,719,901, Cl. 219—10.63.
- Bradley, Robert W., and G. T. Hart, deceased (by M. H. Hart, administratrix), to United Shoe Machinery Corp. 2,727,560, Cl. 154—42.
- Bradley, Schuyler L., to Westinghouse Electric Corp. 2,712,107, Cl. 322—25.
- Bradley, Schuyler L., and P. O. Bobo, to Westinghouse Electric Corp. 2,719,261, Cl. 323—65.
- Bradley, Theodore F., A. C. Mueller, and E. C. Shokal, to Shell Development Co. 2,700,036, Cl. 260—96.5.
- Bradley, Theodore F., and H. A. Newey, to Shell Development Co. 2,716,099, Cl. 260—59.
- Bradley, William. 2,708,456, Cl. 139—109.
- Bradley, William A., and R. F. Gray. 2,707,087, Cl. 244—122.
- Bradley, William E., to Philco Corp. 2,713,605, Cl. 178—5.4.
- Bradley, William E., to Philco Corp. 2,714,710, Cl. 336—84.
- Bradner, Donald B. 2,705,436, Cl. 88—24.
- Bradner, John D., and R. H. Hunter, to Atlas Powder Co. 2,711,999, Cl. 260—31.4.
- Bradney, Clifford H.: *See*—  
Halpern, Alfred, and Bradney. 2,698,822.
- Bradnick, Le Roy V., to The Pierce Governor Co., Inc. 2,722,926, Cl. 123—103.
- Bradshaw, Benjamin C., and R. A. Shuttleworth, to the United States of America as represented by the Secretary of the Army. 2,718,539, Cl. 136—83.
- Bradshaw, George W. 2,717,585, Cl. 123—119.
- Bradshaw, Irving W. 2,700,942, Cl. 107—14.
- Bradshaw, Lawrence: *See*—  
MacLagan, Carl F., and Bradshaw. Re. 23,941.
- Bradshaw, Pink A. 2,705,560, Cl. 209—293.
- Bradshaw, Stanley E., and E. M. Evans, to British Resin Products Ltd. 2,698,839, Cl. 260—23.
- Bradshaw, Stanley E., and R. W. Douglas, to Hazeltine Research, Inc. 2,723,370, Cl. 317—236.
- Brady, Ballard I. 2,699,873, Cl. 211—113.
- Brady, Edward F., to Eastman Oil Well Survey Co. 2,707,617, Cl. 255—1.4.
- Brady, Francis E., Jr. 2,709,964, Cl. 103—6.
- Brady, James M.: *See*—  
Frazier, Quentin, and Brady. 2,710,218.
- Brady, James M., to H. D. Brailsford. 2,715,836, Cl. 73—335.
- Brady, James M., to Servomechanisms, Inc. 2,719,893, Cl. 200—113.
- Brady, James V., to Lanova Corp. 2,708,353, Cl. 64—25.
- Brady, James V., and W. I. Hamilton, to Lanova Corp. 2,708,354, Cl. 64—25.
- Brady, Jarlath W., and A. R. Spicacci. 2,712,966, Cl. 308—181.
- Brady, John D., to Technicolor Motion Picture Corp. 2,710,347, Cl. 250—20.
- Brady, W. H., Co.: *See*—  
Muttera, William H., Jr. 2,725,322.



- Brady, Samuel S.: *See*—  
Cairnes, Charles W., and Brady. 2,701,629.
- Braga, Felix J., to Bell Telephone Laboratories, Inc. 2,721,937, Cl. 250—27.
- Bragdon, Robert W.: *See*—  
Banus, Mario D., and Bragdon. 2,720,444.
- Braibanti, Giuseppe: *See*—  
Braibanti, Mario and G. 2,712,799.
- Braibanti, Mario and G. 2,712,799, Cl. 107—14.
- Braid, Murray D., to Thompson Products, Inc. 2,716,522, Cl. 235—61.
- Brail, Stephen: *See*—  
Gould, William F., and Brail. 2,708,509.
- Brailsford, Harrison D.: *See*—  
Brady, James M. 2,715,836.
- Brailsford, Harrison D. 2,704,334, Cl. 310—68.
- Brailsford, Harrison D. 2,717,350, Cl. 318—254.
- Brailsford, Harrison D. 2,719,944, Cl. 318—254.
- Brainard, Gale H.: *See*—  
Barlow, Lester P., and Brainard. 2,704,514.
- Brainard, Maurice W.,  $\frac{1}{2}$  to O'Keefe & Merritt Co. 2,722,652, Cl. 322—25.
- Brainerd, Harold W., Jr., to Stanolind Oil and Gas Co. 2,721,174, Cl. 252—8.55.
- Brainerd, Harold W., Jr., to Stanolind Oil and Gas Co. 2,724,439, Cl. 166—22.
- Brajer, Edwin J., to Clevite Corp. 2,708,243, Cl. 310—8.
- Brake, George U. 2,718,784, Cl. 73—317.
- Braman, Russell R. 2,707,838, Cl. 34—163.
- Brambani, David W.: *See*—  
Seddon, Robert M., and Brambani. 2,708,112.
- Brame, Allen J., to Tubing Appliance Co., Inc. 2,707,412, Cl. 81—58.2.
- Brame, Allen J., to Tubing Appliance Co., Inc. 2,711,110, Cl. 81—58.1.
- Brame, Allen J., to Tubing Appliance Co., Inc. 2,711,111, Cl. 81—58.2.
- Brame, Allen J., to Tubing Appliance Co., Inc. 2,723,580, Cl. 81—57.
- Brame, Eugene, to Power Jets (Research and Development) Ltd. 2,715,312, Cl. 60—35.55.
- Bramming, Carl, to Aladdin Industries, Inc. 2,705,309, Cl. 339—105.
- Bramming, Carl, to Aladdin Industries, Inc. 2,705,412, Cl. 67—60.
- Bramming, Carl, to Aladdin Industries, Inc. 2,714,302, Cl. 67—103.
- Bramming, Carl, to Aladdin Industries, Inc. 2,722,271, Cl. 158—35.
- Bramming, Carl, to Aladdin Industries, Inc. 2,726,293, Cl. 200—51.16.
- Bramming, Carl, to Aladdin Industries, Inc. 2,726,373, Cl. 339—99.
- Bramstedt, Harold F. 2,706,987, Cl. 128—340.
- Bramwell, Ralph H. 2,718,113, Cl. 58—127.
- Bramwyche, Peter L.: *See*—  
Bewley, Thomas, Bowen, Bramwyche, and Jackson. 2,715,145.
- Branch, Maurice C., P. M. King, and W. A. G. Walsh, to International Standard Electric Corp. 2,722,630, Cl. 315—166.
- Brancke, Carl A., to General Electric Co. 2,728,864, Cl. 290—17.
- Brand, Emily M. A., executrix: *See*—  
Brand, Harry R. 2,700,382.
- Brand, Harry R., deceased, by E. M. A. Brand, executrix. 2,700,382, Cl. 128—33.
- Brand, R. A., & Co. Ltd.: *See*—  
Feasey, John. 2,717,017.
- Brand, Virgil L. 2,726,085, Cl. 272—30.
- Brandau, William E., to Bendix Aviation Corp. 2,727,356, Cl. 60—39.14.
- Brandell, John R. 2,709,594, Cl. 273—179.
- Brandenberger, Jacques E., to Societe La Cellophone. 2,702,971, Cl. 53—55.
- Brandi, Columbus F. 2,717,953, Cl. 219—46.
- Brandin, Johan A. I., and N. E. B. Larsson. 2,721,452, Cl. 62—107.
- Brandner, John D., to Atlas Powder Co. 2,699,400, Cl. 106—179.
- Brandner, John D., to Atlas Powder Company. 2,715,139, Cl. 260—484.
- Brandon, Clarence W.,  $\frac{1}{4}$  to N. A. Hardin,  $\frac{1}{4}$  to H. H. Wright,  $\frac{1}{4}$  to C. H. Newton, and  $\frac{1}{4}$  to H. B. Jacobson. 2,716,958, Cl. 114—74.
- Brandon, Clarence W.,  $\frac{1}{4}$  to N. A. Hardin, H. H. Wright, and C. H. Newton, and  $\frac{1}{4}$  to H. B. Jacobson. 2,720,082, Cl. 62—1.
- Brandon, Clarence W.,  $\frac{1}{4}$  to said Brandon,  $\frac{1}{4}$  to N. A. Hardin,  $\frac{1}{4}$  to H. H. Wright,  $\frac{1}{4}$  to C. H. Newton, and  $\frac{1}{4}$  to H. B. Jacobson. 2,720,181, Cl. 114—74.
- Brandon, Clarence W.,  $\frac{1}{4}$  to N. A. Hardin, H. H. Wright, and C. H. Newton, and  $\frac{1}{4}$  to H. B. Jacobson. 2,720,182, Cl. 114—74.
- Brandon, Clarence W.,  $\frac{1}{4}$  to N. A. Hardin,  $\frac{1}{4}$  to H. H. Wright,  $\frac{1}{4}$  to C. H. Newton, and  $\frac{1}{4}$  to H. B. Jacobson. 2,724,357, Cl. 114—74.
- Brandon, Clarence W., H. Marlow, and J. E. Steele; said Marlow and said Steele assors. to H. H. & N. A. Hardin Co. 2,725,027, Cl. 114—74.
- Brandon, Percy S., to Marconi's Wireless Telegraph Co. Ltd. 2,724,827, Cl. 343—14.
- Brandon, Thomas O., to A. G. Spalding & Bros., Inc. 2,727,384, Cl. 73—65.
- Brandon, Thomas O., to A. G. Spalding & Bros., Inc. 2,727,385, Cl. 73—65.
- Brandt, Adrianus, to Hartford National Bank and Trust Co., trustee. 2,699,610, Cl. 33—199.
- Brandt Automatic Cashier Co.: *See*—  
Jorgensen, Julius. 2,709,880.
- Brandt, Axel H., and H. K. Forsberg, deceased (by K. L. Forsberg, administratrix). 2,724,931, Cl. 51—122.
- Brandt, Edgar W., to Anstalt fur die Entwicklung von Erfindungen und Gewerblichen Anwendungen "Energia." 2,699,722, Cl. 102—65.2.
- Brandt, Edgar W., to Anstalt fur die Entwicklung von Erfindungen und Gewerblichen Anwendungen "Energia." 2,717,552, Cl. 102—56.
- Brandt, Herman F. 2,724,305, Cl. 88—20.
- Brandt, Leo J. 2,716,348, Cl. 74—124.
- Brandt, Preston L., and M. C. Hopkins, to The American Oil Co. 2,726,999, Cl. 202—39.5.
- Brandt, Ralph F.: *See*—  
Cox, Glenn H., and Smith. 2,709,029.
- Brandt, Robert E., to The George W. Borg Corp. 2,710,525, Cl. 66—9.
- Brandt, Roger, to Westinghouse Electric Corp. 2,725,026, Cl. 113—59.
- Branham, George S. 2,714,860, Cl. 104—257.
- Branick, Charles E. 2,725,928, Cl. 115—198.
- Branick, Charles E. 2,727,718, Cl. 254—50.3.
- Branman, Annabelle: *See*—  
Branman, Irving. 2,711,587.
- Branman, Irving, to L. and A. Branman. 2,711,587, Cl. 33—2.
- Branman, Leroy: *See*—  
Branman, Irving. 2,711,587.
- Brannen, Cecil G.: *See*—  
Swakon, Edward A., and Brannen. 2,710,839.
- Swakon, Edward A., and Brannen. 2,710,840.
- Swakon, Edward A., and Brannen. 2,710,841.
- Brannon, Charles H., to American Pipe and Construction Co. 2,724,421, Cl. 153—54.
- Brannon, Milton K. 2,728,401, Cl. 170—156.
- Brandsdorf, Irving. 2,723,787, Cl. 223—93.
- Branson, Charles D., and R. A. Smith, to Robertshaw-Fulton Controls Co. 2,703,298, Cl. 148—16.
- Branstrator, Clem G. and W. R. 2,700,554, Cl. 280—494.
- Branstrator, Clem G. and W. R. 2,710,760, Cl. 280—494.
- Branstrator, Wayne R.: *See*—  
Branstrator, Clem G. and W. R. 2,700,554.
- Branstrator, Clem G. and W. R. 2,710,760.
- Brant, Albert W., and K. H. Norris, to United States of America as represented by the Secretary of Agriculture. 2,700,321, Cl. 88—14.1.
- Brant, Arthur A., to Newmont Mining Corp. 2,728,405, Cl. 181—5.
- Brantingham, Paul T., to International Harvester Co. 1,707,944, Cl. 123—41.77.
- Brantley, Aubrey C. 2,726,816, Cl. 241—101.
- Branton, Peter D.: *See*—  
Simpson, Thomas P., Branton, and Plank. 2,727,868.
- Brasch, Jerome F., to Anheuser-Busch, Inc. 2,703,197, Cl. 229—37.
- Brasco Mfg. Co.: *See*—  
Shults, George W. 2,707,123.
- Braski, Raymond J., and F. C. Schwaneke, to Dormeyer Corp. 2,725,460, Cl. 219—43.
- Brasol, Eugene L. 2,700,847, Cl. 47—34.
- Brass, Philip D., and C. F. Eckert, to United States Rubber Co. 2,713,040, Cl. 260—29.7.
- Brasseur, Eudore D., to Ateliers de Constructions Electriques de Charleroi. 2,727,098, Cl. 179—100.2.
- Brastad, William A.: *See*—  
Gear, Eli C., and Brastad. 2,707,556.
- Braswell, James W., Jr. 2,718,123, Cl. 62—106.
- Bratt, Erik: *See*—  
Hartman, Dag, and Bratt. 2,715,335.
- Bratus, Walter: *See*—  
Cameron, Martin E., and Bratus. 2,715,912.
- Bratzler, Karl, and A. Engelhardt, to Laboratorium fur Adsorptionslechnik G. m. b. H. 2,722,999, Cl. 183—114.2.
- Brauchler, Chandis H., and H. H. Hanink, to Curtiss-Wright Corp. 2,703,922, Cl. 29—194.
- Brauer, Clyde J. 2,705,815, Cl. 18—55.1.
- Braum, Blanchard K. 2,716,816, Cl. 32—40.
- Braun, Adolph F., to General Motors Corp. 2,705,942, Cl. 123—127.
- Braun, C. F., & Co.: *See*—  
Young, Ralph M., and Tokar. 2,710,177.
- Braun, Henry. 2,708,139, Cl. 299—104.
- Braun, Herbert J.: *See*—  
Arkell, William C., Mallina, and Braun. 2,700,227.
- Braun, Karl J. 2,704,186, Cl. 235—61.11.
- Braun, Karl J. 2,708,873, Cl. 101—19.
- Braun, Karl J., and L. Cetrangelo, to Remington Rand Inc. 2,720,164, Cl. 101—93.
- Braun, Ottwin L., to Reliance Steel Products Co. 2,705,477, Cl. 122—498.
- Braun, Philip N. 2,720,649, Cl. 1—3.
- Braun, Philip N. 2,720,650, Cl. 1—3.
- Braun, Wilhelm, to H. and F. W. Deckel. 2,710,568, Cl. 95—11.5.
- Braun, Willy, and G. Treuge, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,716,652, Cl. 260—358.
- Braund, John J. 2,726,572, Cl. 88—24.



- Braunstein, Paul. 2,716,513, Cl. 223—94.  
 Braunstein, Paul. 2,716,514, Cl. 223—94.  
 Braunstein, Raymond, Jr.: *See*—  
   Waber, Donald, and Braunstein. 2,710,114.  
 Brauss, Albert, to the United States of America as represented by the Secretary of the Navy. 2,728,611, Cl. 305—9.  
 Brautigan, Dave. 2,722,816, Cl. 67—6.  
 Braverman, Irving L. 2,710,084, Cl. 190—43.  
 Braverman, Irving L. 2,718,943, Cl. 190—41.  
 Brax, Antti J., and L. Markila. 2,712,488, Cl. 8—156.  
 Braxter, Lorenzo C. 2,724,765, Cl. 219—35.  
 Bray, Clessa C.,  $\frac{1}{2}$  to N. D. Widmer. 2,705,564, Cl. 211—51.  
 Bray, Malcolm D., to Eli Lilly and Co. 2,728,705, Cl. 167—65.  
 Bray, Peter E., to Integral Ltd. 2,709,422, Cl. 121—120.  
 Bray, Richard I., and R. E. Dobbin, to Godfrey L. Cabot, Inc. 2,719,779, Cl. 23—209.1.  
 Bray, Theodore M., Jr., and R. H. Weichsel. 2,722,074, Cl. 42—69.  
 Brayford, Golden J. 2,711,052, Cl. 46—116.  
 Brazeau, Pierre. 2,718,730, Cl. 47—1.  
 Breathitt, Harvie W., Jr.: *See*—  
   Houston, Wesley M., and Breathitt. 2,706,557.  
   Houston, Wesley M., and Breathitt. 2,706,558.  
   Duke, James B., and Breathitt. 2,701,640.  
 Breau, Anthony. 2,699,606, Cl. 33—25.  
 Breaux, Darlton K., J. E. Chapman, and C. F. Drexel, to The Garrett Corp. 2,706,255, Cl. 290—4.  
 Breck, John H., Inc.: *See*—  
   Newton, Ralph W. 2,705,011.  
 Breckenridge, Francis C.: *See*—  
   Lewis, Amos L., and Breckenridge. 2,711,593.  
 Breckenridge, Robert G. 2,699,522, Cl. 317—238.  
 Brede-Horst, Elizabeth. 2,723,401, Cl. 5—37.  
 Bredow, Heinz: *See*—  
   Weissenberg, Gustav, Bredow, and Meinert. 2,723,203.  
 Bredtschneider, Kurt B., to Crane Co. 2,699,800, Cl. 137—505.47.  
 Breeback, Rudolph H.: *See*—  
   Dav, Carl L., and Breeback. 2,699,282.  
 Breeback, Rudolph H., to Crown Cork & Seal Co., Inc. 2,701,675, Cl. 226—115.  
 Breeback, Rudolph H., to Crown Cork & Seal Co., Inc. 2,728,511, Cl. 226—98.  
 Breeding, Harold A., to General Electric Co. 2,723,366, Cl. 315—309.  
 Breer, Raymond J.: *See*—  
   Kluge, Robert D., and Breer. 2,703,516.  
 Breeze Corps., Inc.: *See*—  
   Bird, Stanley P. 2,703,393.  
   Sprigg, Edward A. 2,710,385.  
   Sprigg, Edward A. 2,727,221.  
   Strunk, Kenneth G., Lelek, and Semenyna. 2,707,904.  
 Breeze, James. 2,703,726, Cl. 292—74.  
 Breeze, James. 2,715,247, Cl. 20—52.2.  
 Breeze, Rose M. 2,705,499, Cl. 132—109.  
 Bregar, George W., to Great Lakes Carbon Corp. 2,701,240, Cl. 252—450.  
 Brehm, Howard E.: *See*—  
   Chadwick, Lee S., and Brehm. 2,711,475.  
 Breisch, Edgar W., and R. G. Reed, to Westinghouse Air Brake Co. 2,700,085, Cl. 200—133.  
 Breisch, Edgar W., and J. I. Seitz, to Westinghouse Air Brake Co. 2,709,723, Cl. 179—179.  
 Breisch, John H., to Measuring Machines, Inc. 2,703,457, Cl. 33—174.  
 Breisch, John H., to Measuring Machines, Inc. 2,707,321, Cl. 29—407.  
 Breitenstein, Charles T., to R. T. Moloney. 2,698,884, Cl. 200—11.  
 Breitenstein, Charles T. to R. T. Moloney. 2,722,422, Cl. 273—126.  
 Breithaupt, Harry M. 2,707,229, Cl. 240—54.  
 Brekke, Benjamin S.,  $\frac{1}{2}$  to L. Brekke and  $\frac{1}{2}$  to W. Brekke. 2,719,347, Cl. 25—131.  
 Brekke, Leonard: *See*—  
   Brekke, Benjamin S. 2,719,347.  
 Brekke, Wallace: *See*—  
   Brekke, Benjamin S. 2,719,347.  
 Brembeck, Howard S., to Chore-Time Equipment, Inc., and The Cyclone Mfg. Co. 2,709,417, Cl. 119—53.  
 Bremer, Frederick J., to The Mosler Safe Co. 2,728,215, Cl. 70—332.  
 Bremer, Hermann F., to Indevco, Inc. 2,725,458, Cl. 219—40.  
 Bremer, Norman C.: *See*—  
   Riopelle, Earl F., and Bremer. 2,725,755.  
 Bremer, Ole L.: *See*—  
   Inhoffen, Hans H., and Bremer. 2,723,280.  
 Bremmer, John F., 50% to R. L. Costello. 2,728,232, Cl. 73—425.6.  
 Brems, John H., to General Motors Corp. 2,703,007, Cl. 73—105.  
 Bremshey & Co.: *See*—  
   Eickhorn, Karl H., and Langer. 2,726,708.  
 Brendel, Theodor, and H. Lautenbacher, to Agfa Camera-Werk Aktiengesellschaft. 2,724,992, Cl. 88—57.  
 Brenfleck, Gene. 2,716,991, Cl. 134—182.  
 Brengle, Alfred S., and H. R. Stewart, to California Research Corp. 2,709,173, Cl. 260—348.5.  
 Brenholt, Richard A., to Brenwoll Mfg. Co., Inc. 2,710,710, Cl. 222—341.  
 Brennaman, Lloyd D.: *See*—  
   Norwood, Ernest L., and Brennaman. 2,703,950.  
 Brennan, Edward J. 2,701,212, Cl. 106—208.  
 Brennan, Elmer W., to The Pure Oil Co. 2,721,862, Cl. 260—139.  
 Brennan, Elmer W., and H. G. Raybould, Jr., to The Pure Oil Company. 2,715,106, Cl. 252—33.4.  
 Brennan, Joseph B. 2,701,775, Cl. 117—46.  
 Brennan, Joseph B. 2,704,880, Cl. 29—25.42.  
 Brennan, Joseph B. 2,714,235, Cl. 22—57.4.  
 Brennan, Joseph B. 2,716,462, Cl. 181—32.  
 Brennan, Joseph B. 2,716,790, Cl. 22—73.  
 Brennan, Joseph B. 2,722,637, Cl. 317—230.  
 Brennan, Paul H. 2,709,936, Cl. 81—3.2.  
 Brennan, William E., II: *See*—  
   Gilbert, Henry L., Cavett, and Brennan. 2,702,239.  
 Brennecke, Ernst, to Tornado A-G. 2,713,757, Cl. 51—117.  
 Brenneman, Albert E., to Esso Research and Engineering Co. 2,706,149, Cl. 44—60.  
 Brennmann, Otto: *See*—  
   Rohrbach, Hans. 2,718,752.  
 Brenner, Abner: *See*—  
   Senderoff, Seymour, and Brenner. 2,715,093.  
 Brenner, Henry G., to Josam Mfg. Co. 2,701,619, Cl. 182—9.  
 Brenner, Hermann. 2,702,713, Cl. 279—110.  
 Brenner, I Edward. 2,722,745, Cl. 32—63.  
 Brenner, I Edward. 2,722,746, Cl. 32—63.  
 Brenner, Ivan G. 2,725,601, Cl. 19—148.  
 Brenner, Millard M.: *See*—  
   Appleton, Scott S., and Brenner. 2,725,471.  
 Brenner, Morris. 2,705,555, Cl. 206—46.  
 Brent, George D., and E. K. Bee, to Westinghouse Electric Corp. 2,720,855, Cl. 113—59.  
 Brent, George D., J. M. Campbell, and D. S. Gustin, to Westinghouse Electric Corp. 2,725,919, Cl. 154—1.6.  
 Brent, Jewell A., W. W. Brown, and W. R. Roy, to Minute Maid Corp. 2,724,652, Cl. 99—205.  
 Brentano, Willy, to Durand & Huguenin A. G. 2,706,199, Cl. 260—314.5.  
 Brenwoll Mfg. Co., Inc.: *See*—  
   Brenholt, Richard A. 2,710,710.  
 Breon, George A., & Co.: *See*—  
   Goodson, Louis H., Moffett, Stafford, and Hoehn. 2,711,428.  
 Brepson, Roland: *See*—  
   Drisch, Nicolas, and Brepson. 2,699,983.  
 Brero, Edoardo: *See*—  
   Polizzi, Giacomo. 2,701,924.  
 Brescka, Rudolph S., and A. L. Pizzi, to Western Electric Co., Inc. 2,712,306, Cl. 125—13.  
 Bresee, Dick P., to Phillips Petroleum Co. 2,705,699, Cl. 202—160.  
 Breslow, Donald M., and O. S. Schesvold, to D. M. Breslow, d. b. a. The Curtition Co. 2,712,513, Cl. 154—117.  
 Breslow, Donald M., and O. S. Schesvold, to D. M. Breslow, d. b. a. The Curtition Co. 2,717,033, Cl. 160—84.  
 Breslow, Leon. 2,699,977, Cl. 311—89.  
 Bressler, George H.: *See*—  
   Reid, John C., Jr., and Bressler. 2,719,853.  
 Bressler, Louis R. 2,722,031, Cl. 15—201.  
 Bretch, Edward. 2,714,172, Cl. 307—51.  
 Bretford Mfg., Inc.: *See*—  
   Petrick, Edward J., and R. E. 2,703,690.  
 Bretschneider, Curt. 2,713,497, Cl. 280—95.  
 Bretschneider, Hermann, and W. Klotzer, to Österreichische Stickstoffwerke Aktiengesellschaft. 2,703,800, Cl. 260—239.75.  
 Bretschneider, Horst, to Metallgesellschaft AG. 2,716,657, Cl. 260—461.  
 Bretschneider, Otto, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. 2,710,245, Cl. 23—151.  
 Bretschneider, Otto, to Deutsche Gold- und Silberscheideanstalt vormals Roessler. 2,716,590, Cl. 23—151.  
 Brettell, George A., Jr., and F. Pierce, to the United States of America as represented by the Secretary of the Navy. 2,720,712, Cl. 35—25.  
 Brettrager, Henry J. 2,699,341, Cl. 280—476.  
 Breul, Fredric W., to The Singer Mfg. Co. 2,718,204, Cl. 112—248.  
 Breuning, Ernst W., H. J. Karpinski, and H. O. Mörike, to Papierfabrik Scheufelen. 2,699,709, Cl. 92—45.  
 Breuninger, William R. Re. 24,044, Cl. 33—86.  
 Brevard, Procter. 2,714,882, Cl. 123—190.  
 "Brevets Aero-Mecaniques": *See*—  
   Maillard, Bernard. 2,725,655.  
 Brevetti Di Procedimenti Chimici S. r. l.: *See*—  
   Boeri, Guido. 2,710,789.  
 Brewer, Asa L. 2,719,216, Cl. 240—46.31.  
 Brewer, Aubrey K. 2,705,594, Cl. 233—15.  
 Brewer, Aubrey K., S. L. Madorsky, and T. I. Taylor, to the United States of America as represented by the United States Atomic Energy Commission. 2,727,000, Cl. 202—52.  
 Brewer, George S., and P. R. Dain, to American Meter Co. 2,704,550, Cl. 137—484.4.  
 Brewer, Sherman T., to Bell Telephone Laboratories, Inc. 2,706,756, Cl. 200—87.  
 Brewer, Sherman T., to Bell Telephone Laboratories, Inc. 2,724,745, Cl. 179—18.  
 Brewer, Sherman T., W. A. Reenstra, and W. J. Ritchie, to Bell Telephone Laboratories, Inc. 2,724,744, Cl. 179—18.  
 Brewer-Titchener Corp., The: *See*—  
   Johannsen, Udo K. 2,720,016.  
 Brewer, Wendell N., H. E. Sheets, and R. Mayne, to Good-year Aircraft Corp. 2,726,006, Cl. 220—24.5.  
 Brewster Co., The: *See*—  
   Brown, Walter. 2,707,618.



- Brewster, Gordon F.: *See*—  
Hafner, Harold C., Brewster, and Weidel. 2,702,749.
- Brey, Frank W.: *See*—  
MacIsaac, John T., Jr., Brey, and Hill. 2,716,266.
- Breymer, Rudolph T., to Union Carbide and Carbon Corp. 2,702,846, Cl. 219—10.
- Briar Hill Stone Co., The: *See*—  
Blum, Harold T. 2,720,199.  
Blum, Harold T. 2,720,200.
- Brice, Thomas J., W. H. Pearson, and H. M. Scholberg, to Minnesota Mining & Mfg. Co. 2,713,593, Cl. 260—535.
- Brichard, Edgard: *See*—  
Henry, Georges, and Brichard. 2,711,837.  
Henry, Georges, and Brichard. 2,718,096.
- Brichard, Edgard, to Union des Verreries Mecaniques Belges S. A. 2,726,486, Cl. 49—17.
- Bricker, Carl E., to The Goodyear Tire & Rubber Co. 2,720,286, Cl. 188—72.
- Brickman, Leo, C. Harmon, and R. G. Litchfield, to Johnson & Johnson. 2,711,168, Cl. 128—89.
- Bridenbaugh, Paul K., to Supreme Products, Inc. 2,703,930, Cl. 30—216.
- Bridenbaugh, Paul K., to Supreme Products, Inc. 2,712,084, Cl. 310—216.
- Bridge, Adam E., to The Black-Clawson Co. 2,709,396, Cl. 92—27.
- Bridge, Edward W. 2,712,334, Cl. 146—81.
- Bridge, John J.: *See*—  
Becker, Earl M., and Bridge. 2,713,630.
- Bridge, William A.: *See*—  
Barstow, Ormond E., Finlayson, and Bridge. 2,715,705.
- Bridgeman, Oscar C., to Phillips Petroleum Co. 2,718,753, Cl. 60—39,02.
- Bridgeport Brass Co.: *See*—  
Efford, John T. 2,700,578.  
Efford, John T. 2,707,968.  
Hiertz, Arthur J. 2,707,287.  
Ludington, Emerson N. 2,723,925.
- Bridgeport Fabrics, Inc.: *See*—  
Naramore, Harold B. 2,716,788.
- Bridges, Donald E., and W. J. O'Brien, to The Decca Record Co. Ltd. 2,712,603, Cl. 250—33.
- Bridges, Donald E., and W. J. O'Brien, to The Decca Record Co. Ltd. 2,724,772, Cl. 250—33.
- Bridges, Jack E., to Zenith Radio Corp. 2,702,875, Cl. 315—27.
- Bridges, Jesse L., and H. L. Sullivan. 2,701,946, Cl. 57—79.
- Briede, Arthur F., to O P W Corp. 2,727,534, Cl. 137—615.
- Brier, Hyman: *See*—  
Ballard, James W., and Brier. 2,724,411.
- Brierly, Ralph C.: *See*—  
Bonvillian, Claude A., Brierly, and Letvin. 2,701,011.  
Bonvillian, Claude A., Brierly, and Letvin. 2,707,493.  
Bonvillian, Claude A., Brierly, and Letvin. 2,727,566.
- Brietzke, Adrian P.: *See*—  
Peters, Edward O., and Brietzke. 2,700,917.
- Brigati, Amadio G. 2,700,379, Cl. 124—7.
- Briggs, Arthur E.: *See*—  
Davies, Stuart D., and Briggs. 2,723,091.
- Briggs, Francis C., ½ to W. J. Prout. 2,704,036, Cl. 104—13.
- Briggs, George, to B. V. C. Electronic Developments Ltd. 2,709,239, Cl. 323—119.
- Briggs, John G.: *See*—  
Noland, David B., and Briggs. 2,718,583.
- Briggs, John G., to Collins Radio Co. 2,702,852, Cl. 250—20.
- Briggs, Harold L. 2,701,959, Cl. 72—42.
- Briggs Mfg. Co.: *See*—  
Doty, Clifford B., Gage, and McCauley. 2,720,914.  
Lyijynen, Fred, and Prance. 2,699,416.  
Thomas, Gerald R., Pasket, and McElhoe. 2,703,430.  
Vigmostad, Trygve. 2,698,957.  
Vigmostad, Trygve. 2,698,959.  
Vigmostad, Trygve. 2,703,727.  
Vigmostad, Trygve. 2,709,909.  
Vigmostad, Trygve. 2,709,910.  
Vigmostad, Trygve. 2,710,223.  
Vigmostad, Trygve. 2,720,676.  
Vigmostad, Trygve, and Anderson. 2,702,401.  
Zummach, Karl G. 2,702,588.
- Briggs-Shaffner Co.: *See*—  
Harris, Samuel A., and Sinquefeld. 2,704,642.
- Briggs, Southwick W. 2,716,491, Cl. 210—169.
- Briggs & Stratton Corp.: *See*—  
Brown, Hugh S., and Lechtenberg. 2,699,636.  
Harkness, Joseph R. 2,717,589.  
Harkness, Joseph R. 2,717,916.
- Briggs, Walton E.: *See*—  
Dresios, Samuel C., and Briggs. 2,717,945.
- Bright, Gordon S.: *See*—  
McKinley, John K., Bright, and Nelson. 2,705,241.
- Bright, Harold T.: *See*—  
Robertson, Frederic A., and Bright. 2,722,432.
- Bright, Horace E., and B. C. Mann, to The Glenn L. Martin Co. 2,710,731, Cl. 244—118.
- Bright, Maxel L., to Moore Business Forms, Inc. 2,723,718, Cl. 164—84.5.
- Bright, Roy A., to Du Bois Plastics Products, Inc. 2,706,122, Cl. 285—175.
- Bright, Stanley, Jr., to Troth Bright Page, Inc. 2,712,777, Cl. 93—36.
- Bright, Thomas J. R. 2,702,416, Cl. 20—69.
- Bright Star Battery Co.: *See*—  
Sparr, Frank. 2,708,735.
- Brightwell, Robert R., to Stephano Brothers. 2,720,738, Cl. 53—61.
- Briglia, Anton, to Amalite, Inc. 2,701,493, Cl. 81—124.1.
- Briglia, Anton, to Amalite Inc. 2,720,296, Cl. 192—43.1.
- Brill, Edmund R.: *See*—  
Bergemann, Robert J., and Brill. 2,703,881.
- Brill, Edward F., to Allis-Chalmers Manufacturing Company. 2,715,190, Cl. 310—11.
- Brill, Irwin. 2,702,073, Cl. 155—52.
- Brill, Irwin. 2,721,107, Cl. 312—226.
- Brill, William E., to General Motors Corp. 2,698,609, Cl. 121—194.
- Brill, William E., to General Motors Corp. 2,718,220, Cl. 123—188.
- Brilli, Alfredo. 2,711,666, Cl. 84—376.
- Brilliant, Frederick H., to Armstrong Patents Co. Ltd. 2,699,845, Cl. 188—88.
- Brillié, Jean, to l'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procédes Georges Claude. 2,726,310, Cl. 219—15.
- Brillhart, William O., to American Viscose Corp. 2,727,836, Cl. 117—144.
- Brimhall, Kirk L., to Western Equipment Mfg. Co. 2,714,263, Cl. 37—126.
- Brindley, Richard B. 2,722,193, Cl. 115—17.
- Briner, Paul C., to Nelson Tester Co., Inc. 2,712,634, Cl. 324—73.
- Briner, Paul C., to Nelson Tester Co., Inc. 2,728,889, Cl. 324—54.
- Brink, Edwin H., and H. O. Walker, to Masonite Corp. 2,713,030, Cl. 252—8.5.
- Brink, Robert H. 2,707,451, Cl. 116—31.
- Brink, Robert M., to Deering Milliken Research Corp. 2,712,574, Cl. 179—171.
- Brinkley, James R. 2,719,524, Cl. 130—26.
- Brinkman, John K.: *See*—  
Golding, Fred E., and Brinkman. 2,709,478.
- Brinkmann, Heinrich. 2,718,440, Cl. 308—187.
- Brinkmeyer, John F. 2,720,293, Cl. 192—3.
- Brinsmade, Daniel S., and R. L. Hibbard, to The Connecticut Hard Rubber Co. 2,728,356, Cl. 138—49.
- Brinton, Esme T. C., to Brintons Ltd. 2,711,777, Cl. 154—1.1.
- Brintons Ltd.: *See*—  
Brinton, Esme T. C. 2,711,777.
- Briscoe, Guy H.: *See*—  
McFarling, Excel W., Briscoe, and Hatton. 2,713,442.
- Brisk Waterproofing Co., Inc.: *See*—  
Ehrenberg, Raymond W. 2,699,058.
- Briskin, Theodore S., and R. L. Moore, to Revere Camera Co. 2,711,118, Cl. 88—27.
- Brissette, Lawrence P., and J. G. Haviland, to General Motors Corp. 2,703,492, Cl. 73—94.
- Bristol Aeroplane Co. Ltd., The: *See*—  
Bell, John E., and Peaster. 2,709,499.  
Blackman, Stuart B., and Bell. 2,705,397.  
Blackwell, Basil D., and Peaster. 2,722,802.  
Hinde, Joseph, and Tedds. 2,703,913.  
Hiscock, George H., and Garbutt. 2,724,948.  
Jackson, John V. 2,709,948.  
Rees, John, and Pollard. 2,715,598.  
Whitehead, Frederick W. 2,716,924.
- Bristol Co., The: *See*—  
Dion, Warren E. 2,710,933.  
Maltby, Frederick L. 2,711,500.  
Maltby, Frederick L. 2,720,639.  
McKinlay, Donald, Jr., and Jacobson. 2,715,332.
- Bristol Industrial Equipment Co.: *See*—  
Peterson, Edward G. 2,728,470.
- Bristol, John E., to E. I. du Pont de Nemours and Co. 2,700,035, Cl. 260—91.3.
- Bristol Laboratories Inc.: *See*—  
Alberi, Joseph T. 2,721,198.  
Alberi, Joseph T. 2,728,764.  
Alberi, Joseph T., and Wheatley. 2,721,192.  
Binkley, Stephen B., and Cheney. 2,703,324.  
Buckwalter, Frank H. 2,713,020.  
Buckwalter, Frank H., and Granatek. 2,721,193.  
Buckwalter, Frank H., and Granatek. 2,721,194.  
Buckwalter, Frank H., and Granatek. 2,721,195.  
Buckwalter, Frank H., and Kaplan. 2,723,938.  
Cooper, Douglas E., and Cheney. 2,700,667.  
Cooper, Douglas E., and Cheney. 2,724,000.  
Fardig, Oliver B., and Hooper. 2,717,892.  
Gourevitch, Alexander, and Lein. 2,712,517.  
Johnson, David A. 2,717,893.  
Sheehan, John C. 2,721,196.  
Sheehan, John C. 2,721,197.  
Speeter, Merrill E. 2,721,216.
- Bristow, Mildred S.: *See*—  
Bristow, Paul W. 2,717,509.
- Bristow, Nicholas L. 2,709,356, Cl. 70—14.
- Bristow, Paul W., to Scott & Williams, Inc. 2,698,531, Cl. 66—135.
- Bristow, Paul W., deceased (M. S. Bristow, executrix), to Scott & Williams, Inc. 2,717,509, Cl. 66—14.
- Brite, Elizabeth P. 2,709,443, Cl. 132—88.5.
- British Aluminum Co. Ltd., The: *See*—  
Champion, Frederick A. 2,726,436.



- British Celanese Ltd.: *See*—  
 Allan, John, Stephens, and Browne. 2,703,434.  
 Allen, Henry H., and Sothers. 2,701,718.  
 Bate, Stanley C., Peach, and Rogerson. 2,703,279.  
 Brown, William S. 2,720,366.  
 Downing, John, and Drevitt. 2,708,663.  
 Downing, John, and Drevitt. 2,724,634.  
 Downing, John, Hodge, and Drevitt. 2,721,112.  
 Downing, John, Hodge, and Drevitt. 2,721,113.  
 Downing, John, Hodge, and Drevitt. 2,721,114.  
 Hawtin, Philip R., and John. 2,721,850.  
 Kowolik, Ernest J., Downing, and Drevitt. 2,706,185.  
 Kowolik, Ernest J., and Fisher. 2,705,225.  
 Lincoln, James, Cohn, and Groombridge. 2,723,266.  
 Moncrieff, Leslie J. 2,708,772.  
 Olpin, Henry C., and Jackson. 2,699,373.  
 Taylor, William I., and Grebby. 2,707,308.  
 Taylor, William I., and Hawtin. 2,700,794.  
 Taylor, William I., and Hawtin. 2,701,211.  
 Thomas, Edward B., and Hindley. 2,715,146.  
 Thomas, Edward B., Stothard, and Alcock. 2,727,064.
- British Cellophane Ltd.: *See*—  
 Berry, William, and Oswin. 2,709,146.
- British Cotton Industry Research Association, The: *See*—  
 Chadwick, George E., Collins, and Roff. 2,725,323.  
 Davies, Frank, and Pitts. 2,712,327.
- British Dielectric Research Ltd.: *See*—  
 Shen, Tzu E., and Plessner. 2,705,204.  
 Vincent, Russell S., and Burger. 2,719,833.
- British Drug Houses Ltd., The: *See*—  
 Mamalis, Patrick, Petrow, and Sturgeon. 2,728,763.
- British Filters Ltd.: *See*—  
 Bennett, Nigel J., and Hobson. 2,702,126.
- British Industrial Plastics Ltd.: *See*—  
 Collins, George T. 2,727,973.
- British Industrial Solvents Ltd.: *See*—  
 Cooper, Leslie, and Lacey. 2,700,685.  
 Lacey, Richard N., and Connolly. 2,714,117.  
 McCleery, James A. 2,722,963.
- British Insulated Callender's Cables Ltd.: *See*—  
 Dixon, Henry J., Chapman, and Harwood. 2,717,301.  
 Mather, Edward L., and Cheetham. 2,717,357.  
 Ripley, Stanley W. 2,717,847.
- British Internal Combustion Engine Research Assn., The: *See*—  
 Tryhorn, Donald W. 2,724,340.
- British Launderers' Research Association: *See*—  
 Bold, John. 2,715,413.
- British Oxygen Co. Ltd., The: *See*—  
 Roberts, Neville W. 2,700,282.
- British Petroleum Co. Ltd., The: *See*—  
 Birch, Stanley F., Fidler, and Dean. 2,717,269.  
 Birch, Stanley F., and Nathan. 2,706,736.  
 Champagnat, Alfred. 2,710,855.  
 Champagnat, Alfred. 2,719,106.  
 Docksey, Patrick, and F. W. B. and H. T. Porter. 2,726,193.  
 McLean, Andrew, and Gripp. 2,706,734.  
 Porter, Frederick W. B. 2,706,703.  
 Porter, Frederick W. B. 2,718,490.  
 Porter, Frederick W. B. 2,719,108.  
 Thomas, William L., and Holmes. 2,726,145.  
 Withers, John G., and Stansfield. 2,706,607.
- British Resin Products Ltd.: *See*—  
 Bradshaw, Stanley E., and Evans. 2,698,839.
- British Telecommunications Research Ltd.: *See*—  
 Felix, Michael O. 2,718,593.  
 Holloway, Dennis G. 2,727,210.
- British Thomson-Houston Co. Ltd., The: *See*—  
 Blake, Leslie R., and Maggs. 2,702,004.  
 Edmundson, David, and Hall. 2,703,876.  
 Herd, John A. 2,720,605.  
 Welch, Douglas F., Grieve, Hiron, and Pollard. 2,701,831.
- British Vacuum Flask Co. Ltd., The: *See*—  
 Venis, Ernest. 2,713,435.
- Britt, Kenneth W.: *See*—  
 Sparrow, Donald B., Eberl, and Britt. 2,707,144.  
 Sparrow, Donald B., Eberl, and Britt. 2,707,145.
- Britt, Marvin G. 2,726,711, Cl. 155—123.
- Brittain, Francis H., to The General Electric Co. Ltd. 2,706,529, Cl. 181—31.
- Brittain, Murdock H. 2,726,652, Cl. 125—13.
- Brittain, Rachel F. 2,699,738, Cl. 107—54.
- Britten, Edwin F., III. 2,708,819, Cl. 56—25.4.
- Britten, Edwin F., III. 2,708,820, Cl. 56—25.4.
- Britten, Harold H., and M. E. Hartman, to General Electric Co. 2,700,748, Cl. 322—19.
- Britton, Edgar C., and J. C. Vander Weele, to The Dow Chemical Co. 2,701,800, Cl. 260—319.
- Britton, Edgar C., and T. R. Keil, to The Dow Chemical Co. 2,725,402, Cl. 260—623.
- Britton, Edgar C., and T. R. Keil, to The Dow Chemical Co. 2,725,405, Cl. 260—650.
- Britton, Harry E., to Metal Engineering Company. 2,714,828, Cl. 81—84.
- Britton, Paul F. 2,725,996, Cl. 214—147.
- Britton, Philip S., and C. R. Stowe, to Carlon Products Corp. 2,699,261, Cl. 210—169.
- Britton, Richard K.,  $\frac{1}{2}$  to Ex-Cell-O Corp., and  $\frac{1}{2}$  to Ace Carton Corp., and A. C. Fessenden. 2,702,152, Cl. 229—17.
- Britton, Sylvester C.: *See*—  
 Fox, Homer M., and Britton. 2,712,497.  
 Schirmer, Robert M., and Britton. 2,698,512.
- Britton, Sylvester C., to Phillips Petroleum Co. 2,698,511, Cl. 60—35.4.
- Britton, Sylvester C., and R. M. Schirmer, to Phillips Petroleum Co. 2,698,510, Cl. 60—35.4.
- Britton, Sylvester C., and R. M. Schirmer, to Phillips Petroleum Co. 2,698,513, Cl. 60—35.4.
- Britton, Sylvester C., and R. M. Schirmer, to Phillips Petroleum Co. 2,702,984, Cl. 60—35.4.
- Brixius, Jacob K., to Air-Maze Corp. 2,726,731, Cl. 183—7.
- Brinxner, Frederick W., and H. J. Pearce, to General Railway Signal Co. 2,700,728, Cl. 246—134.
- Brkich, Alexander, to Ingersoll-Rand Co. 2,710,205, Cl. 286—9.
- Broad, Arthur J. 2,709,998, Cl. 126—271.2.
- Broad, Arthur J. 2,725,875, Cl. 126—271.2.
- Broadhead, Samuel L., Jr., to Collins Radio Co. 2,704,324, Cl. 250—20.
- Broadwin, Samuel M., to Kopp Scientific, Inc. 2,705,494, Cl. 128—218.
- Brobeck, William M.: *See*—  
 Barnes, Sidney W., and Brobeck. 2,727,152.
- Broberg, Georg K. J., to AB Svenska Flaktfabriken. 2,722,170, Cl. 98—114.
- Broberg, Leonard E., and E. G. Dueringer, to A. O. Smith Corp. 2,711,834, Cl. 214—17.
- Broberg, Orrin R., and H. E. Vorhis, to Production Aids Inc. 2,703,182, Cl. 214—6.
- Brochstein, Isaac S. 2,709,946, Cl. 88—97.
- Brock, Aaron T. 2,722,019, Cl. 9—8.3.
- Brock, Brantley A.: *See*—  
 Samfield, Max M., Brock, and Locklair. 2,708,175.
- Brock, Clarence A., to Martin-Parry Corp. 2,706,826, Cl. 15—368.
- Brock, Frank M., to Radio Corp. of America. 2,724,777, Cl. 250—36.
- Brock, Harold L., to Ford Motor Co. 2,698,543, Cl. 74—15.63.
- Brock, Ira E. 2,709,952, Cl. 95—4.5.
- Brock, Marilyn J., to The Firestone Tire & Rubber Co. 2,702,284, Cl. 260—23.7.
- Brock, Maurice C.: *See*—  
 Campise, Nash O., and Brock. 2,725,744.
- Brock and Rankin, Inc.: *See*—  
 Hildmann, William B. 2,718,018.
- Brockardt, Frank G., Jr., J. H. Koch, and A. C. Harmsen, to Arkell and Smiths. 2,723,606, Cl. 93—93.
- Brocklehurst, James A. 2,703,651, Cl. 211—34.
- Brockman, E. W., Jr.: *See*—  
 Levey, Alvin M. 2,698,656.
- Brockman, Francis J., and O. C. W. Allenby, to Du Pont Co. of Canada Ltd. 2,715,590, Cl. 117—138.8.
- Brockmann, Hans, and F. Kluge, to Schenley Industries, Inc. 2,707,704, Cl. 204—158.
- Brodbeck, Almer H., and H. C. Reinhart, to Magic Chef, Inc. 2,720,258, Cl. 158—113.
- Brodén, Edwin N., to The Firestone Tire & Rubber Co. 2,713,437, Cl. 216—20.
- Broderick, Richard J., to Bomac Laboratories, Inc. 2,714,193, Cl. 333—98.
- Brodersen, Richard: *See*—  
 Böker, Reinhard, and Brodersen. 2,716,117.
- Brodheim, Morris. 2,715,817, Cl. 62—116.
- Brodie, Ralph N., Co.: *See*—  
 Berck, William F. 2,711,657.
- Brodrene Gram A/S: *See*—  
 Gram, Aage G. and H. 2,700,347.
- Brodsky, Frank, to K. Brodsky. 2,718,981, Cl. 221—221.
- Brodsky, Kate: *See*—  
 Brodsky, Frank. 2,718,981.
- Brodsky, Marcos. 2,725,434, Cl. 200—61.26.
- Brody, Frederick, to American Cyanamid Co. 2,725,375, Cl. 260—152.
- Brody, Frederick, to American Cyanamid Co. 2,725,376, Cl. 260—155.
- Brody, Frederick, and R. S. Long, to American Cyanamid Co. 2,725,377, Cl. 260—157.
- Brody, Julius. 2,717,835, Cl. 99—7.
- Brody, Julius. 2,717,836, Cl. 99—7.
- Brody, Nathan S. 2,700,213, Cl. 30—30.
- Brody, Nathan S. 2,726,441, Cl. 30—30.
- Broekhuysen, William C. 2,700,084, Cl. 200—122.
- Broffitt, Wilgus S., to General Motors Corp. 2,698,872, Cl. 136—4.
- Brogan, Emmett V.: *See*—  
 Cutliff, Norman J., and Brogan. 2,716,695.
- Brogdax Co.: *See*—  
 Cothran, Charles D. 2,700,025.
- Broida, Herbert P., and H. J. Morowitz. 2,708,387, Cl. 88—14.
- Broiles, A. P.: *See*—  
 Ball, James W. 2,701,387.
- Bro-Kade Wall Finish Co., Inc.: *See*—  
 Ernst, Carl J. 2,704,905.
- Broken Hill Associated Smelters Proprietary Ltd., The: *See*—  
 Davey, Thomas R. A. 2,720,456.
- Broman, Cyrus R.: *See*—  
 Nesset, Naurice M., and Broman. 2,705,955.
- Broman, John S., to Morgardshammars Mek, Verkstads Aktiebolag. 2,711,355, Cl. 308—134.1.
- Bromberg, Edward S., to Pollock Paper Corp. 2,707,530, Cl. 187—17.
- Bronée, Torben. 2,712,046, Cl. 200—138.
- Bronfman, Benjamin. 2,707,065, Cl. 221—165.
- Bronk, Fay E., to Ritter Co., Inc. Re. 24,087, Cl. 312—22.



- Bronnenberg, Rex A.: *See*—  
   McCurdy, Horace L. 2,718,388.  
 Bronson, Louis D. 2,715,803, Cl. 51—124.  
 Bronson, Stanley O., II: *See*—  
   Sweetser, Sumner B., Bronson, and Morbeck. 2,724,684.  
 Bronson, Stanley O., II, R. C. Morbeck, and S. B. Sweetser, to  
   Esso Research and Engineering Co. 2,717,857, Cl. 196—35.  
 Bronson, Stanley O., II, R. C. Morbeck, and S. B. Sweetser, to  
   Esso Research and Engineering Co. 2,717,858, Cl. 196—35.  
 Bronwill Scientific, Inc.: *See*—  
   Koelle, Otto. 2,699,378.  
   Koelle, Otto. 2,703,014.  
 Bronzavia S. A.: *See*—  
   Capsek, Roger. 2,702,685.  
 Bronzo, Frank A.: *See*—  
   Whalen, John N. 2,728,374.  
 Brook, Leonard, to The Forgrove Machinery Co. Ltd.  
   2,720,068, Cl. 53—41.  
 Brook, Leonard, to The Forgrove Machinery Co. Ltd.  
   2,720,069, Cl. 53—126.  
 Brooker, Andrew F.: *See*—  
   Horvath, Alexander M. 2,710,224.  
 Brooker, Dolores D. 2,722,046, Cl. 29—128.  
 Brooker, Leslie G. S.: *See*—  
   Heseltine, Donald W., and Brooker. 2,719,151.  
 Brooker, Robert M., to Allied Laboratories, Inc. 2,720,520,  
   Cl. 260—236.  
 Brooker, Robert M., to Allied Laboratories, Inc. 2,720,521,  
   Cl. 260—236.  
 Brooker, Robert M., to Allied Laboratories, Inc. 2,720,522,  
   Cl. 260—236.  
 Brookes, Albert H., L. J. Rieger, and L. L. Martin, to Armco  
   Steel Corp. 2,703,512, Cl. 90—24.  
 Brookins, Richard N., to Essick Mfg. Co. 2,705,151, Cl.  
   280—34.  
 Brookins, Richard N., to Essick Mfg. Co. 2,720,826, Cl.  
   98—94.  
 Brooks Appliance Co.: *See*—  
   Thompson, Harry L. 2,720,202.  
 Brooks, Charles H., to Sun Oil Co. 2,720,390, Cl. 262—3.  
 Brooks, Donald H. 2,711,246, Cl. 206—80.  
 Brooks, E. J., Co.: *See*—  
   Moberg, Sigurd M. 2,709,613.  
 Brooks, Ernest A.: *See*—  
   Langvand, Ivar L., Schoessow, and Brooks. 2,698,610.  
 Brooks, Eugene S. 2,720,874, Cl. 123—90.  
 Brooks, Frank P., and A. Pastuhov, to Arthur D. Little, Inc.  
   2,706,665, Cl. 308—3.5.  
 Brooks, Frank W., to General Motors Corp. 2,724,460, Cl.  
   188—78.  
 Brooks, Frederick A.: *See*—  
   Gier, Joseph T., Dunkle, and Brooks. 2,707,881.  
 Brooks, Frederick E., Jr., to the United States of America  
   as represented by the Secretary of the Navy. 2,717,380,  
   Cl. 343—113.  
 Brooks, George W., to Belmont Throwing Co. 2,725,714, Cl.  
   57—156.  
 Brooks, Harold H., to Columbus Coated Fabrics Corp.  
   2,705,049, Cl. 164—17.  
 Brooks, Harold H. 2,728,393, Cl. 164—65.  
 Brooks, James A. 2,717,688, Cl. 197—187.  
 Brooks, John W., to Socony-Vacuum Oil Co., Inc. 2,704,275,  
   Cl. 252—45.  
 Brooks, John W., to Socony Mobil Oil Co., Inc. 2,721,179,  
   Cl. 252—48.2.  
 Brooks, Joseph H.: *See*—  
   Baker, Harold E., and Brooks. 2,721,422.  
 Brooks, Joseph L.: *See*—  
   McDougal, William H., and Brooks. 2,702,041.  
 Brooks, Marvin C., and R. H. Ewart, to United States Rubber  
   Company. 2,715,135, Cl. 260—448.8.  
 Brooks, Morton, to General Motors Corp. 2,724,447, Cl.  
   170—160.33.  
 Brooks, Philip K.: *See*—  
   Marriage, Anthony, Pollak, and Brooks. 2,728,290.  
 Brooks, Robert E. 2,722,253, Cl. 146—73.  
 Brooks, Robert J., to Geo. W. King Ltd. 2,714,243, Cl.  
   29—89.5.  
 Brooks, Roy D.: *See*—  
   Holliman, James E., and Brooks. 2,715,985.  
 Brooks, William H. 2,719,493, Cl. 107—1.  
 Brooks, Winfield S.: *See*—  
   Howey, Walter C. 2,699,720.  
 Broomfield, John, to Mount Hope Machinery Co. 2,713,191,  
   Cl. 26—51.3.  
 Brophy, Martin J.: *See*—  
   Higgins, George D. 2,717,663.  
 Broseke, John H. 2,714,322, Cl. 81—103.  
 Brossi, Arnold, to Hoffmann-La Roche Inc. 2,714,107, Cl.  
   260—288.  
 Broster, Alfred E., and W. H. Leslie. 2,725,904, Cl. 143—6.  
 Brosterhouse, Claude A.: *See*—  
   Northrop, John K., Brosterhouse, Dunn, Ellison, and  
   Herman. 2,724,966.  
 Brothers, Edwin S. 2,705,013, Cl. 131—187.  
 Broudy, Albert M. 2,719,734, Cl. 281—3.  
 Brough, Cora E. 2,699,565, Cl. 15—236.  
 Broughton, Douglas J., to Buxton, Inc. 2,705,038, Cl.  
   150—39.  
 Brouillard, Robert E., to General Aniline & Film Corp.  
   2,716,649, Cl. 260—314.5.  
 Brouillette, Georges P.: *See*—  
   Short, Charles R., and Brouillette. 2,719,332.  
 Broussard, Douglas E., and H. E. McKinney, to Shell Develop-  
   ment Co. 2,720,266, Cl. 166—77.  
 Broussard, Francis I. 2,710,514, Cl. 56—25.4.  
 Broussard, Robert: *See*—  
   Gritman, Carl, Broussard, Toce, and Joynt. 2,715,082.  
   Gritman, Carl, Broussard, Toce, and Joynt. 2,715,150.  
   Gritman, Carl, Broussard, Toce, and Joynt. 2,715,151.  
   Gritman, Carl, Toce, and Broussard. 2,715,081.  
   Gritman, Carl, Toce, and Broussard. 2,715,148.  
 Brouwer, Pieter H. J., to Hartford National Bank and Trust  
   Co., trustee. 2,700,098, Cl. 240—41.  
 Brower, Floyd D. 2,726,758, Cl. 206—39.  
 Brown, Albert A., to H. H. Robertson Co. 2,728,423, Cl.  
   189—34.  
 Brown, Albert M.: *See*—  
   Stibbe, Godfrey D., and Brown. 2,723,545.  
 Brown, Alexander M.: *See*—  
   Earl, Norman M., and Brown. 2,702,521.  
 Brown, Alexander M. 2,716,798, Cl. 29—34.  
 Brown, Alfred E., to The Gillette Co. 2,717,228, Cl. 167—87.1.  
 Brown, Andrew, and T. A. Benner, to International Standard  
   Electric Corp. 2,702,321, Cl. 200—4.  
 Brown, Archer W., to American Hoist & Derrick Co.  
   2,703,180, Cl. 212—58.  
 Brown, Arling D., Jr., to Clevite Corp. 2,719,929, Cl. 310—8.1.  
 Brown, Arthur E. 2,708,419, Cl. 119—45.  
 Brown, Arthur E. 2,715,685, Cl. 290—1.  
 Brown, Arthur S., to Acragage Corp. 2,701,968, Cl. 73—414.  
 Brown, Bernard B., to Olin Mathieson Chemical Corp.  
   2,719,116, Cl. 204—158.  
 Brown, Bertrand H., and E. F. Esmeier, to United Aircraft  
   Corp. 2,708,343, Cl. 60—39.28.  
 Brown & Bigelow: *See*—  
   Ackerman, Christopher E., and Stageberg. 2,714,152.  
   Felt, Paul W. 2,727,376.  
   Fischer, Howard L., and Wicks. 2,710,533.  
   Gruber, Francis E. 2,725,721.  
   Hetzel, George F., and Wilhelm. 2,701,222.  
   Rudavsky, Leo. 2,700,009.  
   Spear, Arthur U. 2,725,651.  
 Brown-Brockmeyer Co., The: *See*—  
   Brown, Steffen S. 2,722,645.  
   Brown, Steffen S. 2,727,215.  
 Brown, Burton J. 2,700,541, Cl. 267—20.  
 Brown, Calvin O., to Set Screw & Mfg. Co. 2,712,938, Cl.  
   273—133.  
 Brown, Carl F.: *See*—  
   Gooding, Chester M., Wahlteich, and Brown. 2,701,203.  
   Brown, Carl F., and C. M. Gooding, to The Best Foods, Inc.  
   2,699,395, Cl. 99—163.  
 Brown, Charles M., and A. E. Shrubsall, to Union Carbide  
   and Carbon Corp. 2,715,765, Cl. 29—424.  
 Brown, Chester W. 2,701,966, Cl. 73—390.  
 Brown, Cicero C.: *See*—  
   Potts, Ernest L. 2,704,581.  
   Potts, Ernest L., and Scott. 2,704,090.  
 Brown, Cicero C. 2,698,663, Cl. 166—121.  
 Brown, Cicero C. 2,704,579, Cl. 166—44.  
 Brown, Cicero C. 2,704,580, Cl. 166—121.  
 Brown, Cicero C. 2,715,442, Cl. 166—139.  
 Brown, Cicero C. 2,716,456, Cl. 166—119.  
 Brown, Cicero C. 2,717,041, Cl. 166—186.  
 Brown, Cicero C. 2,719,587, Cl. 166—119.  
 Brown, Cicero C. 2,720,267, Cl. 166—119.  
 Brown, Cicero C. 2,720,924, Cl. 166—138.  
 Brown, Cicero C. 2,720,926, Cl. 166—226.  
 Brown Citrus Machinery Corp.: *See*—  
   Harden, Carl. 2,705,984.  
 Brown, Clarence H., to Goodman Mfg. Co. 2,722,410, Cl.  
   262—33.  
 Brown, Clarence J. 2,724,549, Cl. 233—2.  
 Brown, Clifford S., to Hamilton Mfg. Co. 2,722,318, Cl.  
   211—143.  
 Brown Co.: *See*—  
   Archer, Edward M. 2,722,869.  
   Cook, Ernest P. 2,713,291.  
 Brown-Coombes, Frank, to Holman Brothers Ltd. 2,721,057,  
   Cl. 255—47.  
 Brown, Curtis B.: *See*—  
   Keithley, Walter A. 2,708,449.  
 Brown, Dale A.: *See*—  
   Palmer, Frederick B., Brown, Pond, and Hinz. 2,711,568.  
 Brown, Daniel S.: *See*—  
   Bennett, Andrew E., and Brown. 2,712,236.  
   Brown, Darrel C., J. B. O'Harra, and C. A. Sansome.  
   2,728,618, Cl. 308—222.  
 Brown, David, & Sons (Huddersfield), Ltd.: *See*—  
   Sykes, Arthur. 2,704,492.  
 Brown, David S. 2,714,516, Cl. 280—5.  
 Brown, Denis E.: *See*—  
   Grayson, Harry, Brown, and Barker. 2,714,205.  
   Brown, Denis W., and R. H. Smith. 2,703,507, Cl. 88—24.  
   Brown, Doyes N. 2,706,662, Cl. 304—32.  
   Brown, Earl D. 2,720,807, Cl. 82—41.  
 Brown, Earl H., and T. A. Cecil, to Minerals & Chemicals  
   Corp. of America. 2,699,255, Cl. 209—166.  
 Brown, Edmund D., to United Aircraft Corp. 2,702,454,  
   Cl. 60—39.31.  
 Brown, Edmund K., to The Torrington Co. 2,719,391, Cl.  
   51—236.  
 Brown, Edward L., J. M. Robertson, and G. E. Shafer, to  
   Armco Steel Corp. 2,726,830, Cl. 244—114.  
 Brown, Edwin C.: *See*—  
   Antos, Joseph, and Brown. 2,708,280.



- Brown, Egbert F., to The Curtis Publishing Co. 2,712,788, Cl. 101—58.
- Brown Electro-Measurement Corp.: *See*—  
Brown, Franklin M., Strain, and Roberts. 2,707,222.
- Brown, Ellis M., C. B. Lee, and S. R. Gilford. 2,713,308, Cl. 102—70.2.
- Brown, Ellis V.: *See*—  
Salivar, Charles J., and Brown. 2,719,149.
- Brown, Elzear J.: *See*—  
Burkhardt, George R., and Brown. 2,717,739.
- Brown, Ernest J. 2,728,584, Cl. 280—47.26.
- Brown, Eugene L. B. 2,716,871, Cl. 62—146.
- Brown, Everett C., to Cheatham Electric Switching Device Co., Inc. 2,700,760, Cl. 340—269.
- Brown, Everett R.: *See*—  
MacGeorge, William D., and Brown. 2,722,234.
- Brown Fintube Co.: *See*—  
Brown, John W., Jr. 2,703,921.  
Brown, John W., Jr. 2,712,438.  
Brown, John W., Jr. 2,716,276.  
Gaddis, Hugh L., Myers, and Welsh. 2,726,681.
- Brown, Forrest G., and B. F. Gish. 2,702,181, Cl. 255—50.
- Brown, Forrest W., to The Reflectone Corp. 2,720,039, Cl. 35—10.4.
- Brown, Frank E., to F. M. Turnbull. 2,702,147, Cl. 222—207.
- Brown, Frank E., to F. M. Turnbull. 2,717,601, Cl. 128—272.
- Brown, Frank J. 2,713,334, Cl. 123—90.
- Brown, Frank W., III: *See*—  
Glennon, James B., Van Atta, and Brown. 2,703,052.
- Brown, Franklin M., D. C. Strain, and M. L. Roberts, to Brown Electro-Measurement Corp. 2,707,222, Cl. 201—56.
- Brown, Frederick M.: *See*—  
Langdon, Jesse D., and Brown. 2,722,944.
- Brown, George B.: *See*—  
Davoll, John, and Brown. 2,719,843.
- Brown, George E.: *See*—  
Aldrich, Max L. 2,707,277.
- Brown, George H., to Radio Corp. of America. 2,713,152, Cl. 333—9.
- Brown, George P., Jr.: *See*—  
Riethof, George, and Brown. 2,700,050.
- Brown, George T., Jr., to The National Cash Register Co. 2,715,360, Cl. 101—92.
- Brown, Gerald T., to Peter Spence and Sons Ltd. 2,717,197, Cl. 23—88.
- Brown, Gordon, to Pacific Shake & Shingle Co. 2,704,093, Cl. 144—193.
- Brown, Grant S., to Western Electric Co., Inc. 2,702,410, Cl. 18—48.
- Brown Grease Gun Co.: *See*—  
Brown, William Y. 2,718,343.
- Brown, Hamilton P.: *See*—  
Madson, Leo D., and Brown. 2,721,055.
- Brown, Harold, to Colorado Dry Concentrator Co. 2,718,306, Cl. 209—479.
- Brown, Harold, to Precious Metals Refining Co., a common law trust of which K. A. Sparks is executive trustee. 2,726,078, Cl. 266—17.
- Brown, Harold, and W. A. Lamb. 2,717,692, Cl. 209—19.
- Brown, Harold J. 2,710,374, Cl. 321—2.
- Brown, Harold J. 2,711,613, Cl. 46—120.
- Brown, Harold P., to The B. F. Goodrich Co. 2,710,292, Cl. 260—83.3.
- Brown, Harold P., to The B. F. Goodrich Co. 2,724,707, Cl. 260—80.7.
- Brown, Hazel F.: *See*—  
Gardner, William R. 2,702,939.
- Brown, Henry, and R. A. Fellows, to The Udylyte Corp. 2,707,166, Cl. 204—52.
- Brown, Herbert C. 2,709,704, Cl. 260—347.8.
- Brown, Herbert C., to Standard Oil Co. 2,728,752, Cl. 260—88.1.
- Brown, Herbert C., and D. D. Humphreys, to Ethyl Corp. 2,727,929, Cl. 260—650.
- Brown, Homer M. 2,715,963, Cl. 209—319.
- Brown, Horace D., to Merck & Co., Inc. 2,718,519, Cl. 260—285.
- Brown, Howard D.: *See*—  
Bonnesen, Elmer J. 2,702,060.
- Brown, Howard M.: *See*—  
Urry, Lewis F., Kennedy, and Brown. 2,707,200.
- Brown, Howard M. 2,707,027, Cl. 164—68.
- Brown, Howard M. 2,711,675, Cl. 92—38.
- Brown, Hugh M., to The Clemson Agricultural College of South Carolina. 2,713,209, Cl. 33—172.
- Brown, Hugh M., to Clemson Agricultural College of South Carolina. 2,718,111, Cl. 57—77.4.
- Brown, Hugh S., and L. J. Lechtenberg, to Briggs & Stratton Corp. 2,699,636, Cl. 56—25.4.
- Brown, James. 2,723,526, Cl. 58—38.
- Brown, James D.: *See*—  
Fink, Walter A., and Brown. 2,706,502.  
Fink, Walter A., and Brown. 2,722,254.
- Brown, James D., to Toledo Scale Co. 2,715,305, Cl. 51—248.
- Brown, James D., to Toledo Scale Co. 2,728,367, Cl. 146—102.
- Brown, James H., R. J. Dearborn, and I. Power, to Oldbury Electro-Chemical Co. 2,701,258, Cl. 260—461.
- Brown, James W.: *See*—  
Burnside, Harvey E. W., and Brown. 2,698,672.
- Brown, James W., to Standard Oil Development Co. 2,700,017, Cl. 202—14.
- Brown, John C. 2,707,052, Cl. 211—65.
- Brown, John H.: *See*—  
Reifsnnyder, James D. 2,721,686.
- Brown, John H., Jr.: *See*—  
Baggett, Claude, Jr., and Brown. 2,708,676.
- Brown, John H., Jr., and G. R. Martin, to The Dow Chemical Co. 2,711,420, Cl. 260—450.
- Brown, John M. 2,712,393, Cl. 216—55.
- Brown, John S.: *See*—  
Fletcher, Maurice J., McKee, Riblett, and Brown. 2,706,296.
- Roberts, Edward N., Fields, and Brown. 2,703,785.
- Brown, John W., Jr., to Brown Fintube Co. 2,703,921, Cl. 29—157.3.
- Brown, John W., Jr., to Brown Fintube Co. 2,712,438, Cl. 257—246.
- Brown, John W., Jr., to Brown Fintube Co. 2,716,276, Cl. 29—487.
- Brown, Kenneth G. 2,703,595, Cl. 146—163.
- Brown, Kenneth G. 2,710,125, Cl. 226—58.
- Brown, Kenneth R., H. L. Piepho, and F. H. Thomas, to The Sherwin-Williams Co. 2,706,162, Cl. 117—72.
- Brown, Lee V., M. Kjonas, and T. A. Hack, to Sinclair Refining Co. 2,727,861, Cl. 252—33.
- Brown, Leo R. 2,711,763, Cl. 144—251.
- Brown, Lloyd K., to Bloomer Bros. Co. 2,724,308, Cl. 93—37.
- Brown, Lovett H. 2,723,640, Cl. 115—25.
- Brown, Malcolm H., and H. Klemperer, to Raytheon Mfg. Co. 2,700,741, Cl. 315—22.
- Brown, Martin P. 2,707,595, Cl. 242—55.2.
- Brown, Marvin W. 2,707,789, Cl. 9—21.
- Brown, Morris E., to Eastman Kodak Co. 2,725,120, Cl. 185—37.
- Brown, Murray. 2,719,204, Cl. 200—166.
- Brown, Myron J., to Westinghouse Electric Corp. 2,712,100, Cl. 317—122.
- Brown, Nathan J. 2,714,448, Cl. 206—47.
- Brown, Norman F., to N. F. B. Displacement Co. 2,714,855, Cl. 103—52.
- Brown, Norman M., Jr.: *See*—  
Shank, Clifford A., and Brown. 2,703,679.
- Brown, Otto: *See*—  
Bruun, Henrik J. 2,713,180.
- Brown, Owen. 2,706,355, Cl. 41—24.
- Brown, Owen. 2,724,642, Cl. 41—41.
- Brown, Paul, to Packaging Materials Corp. 2,704,268, Cl. 154—55.
- Brown, Paul, to Packaging Materials Corp. 2,714,340, Cl. 92—39.
- Brown, Paul, to Packaging Materials Corp. 2,714,570, Cl. 154—55.
- Brown, Philip B. 2,725,216, Cl. 255—64.
- Brown, Ray M. Re. 24,066, Cl. 81—125.
- 24,067, Cl. 190—57.
- Brown, Ray M. 2,720,804, Cl. 81—125.
- Brown, Richard H. 2,718,034, Cl. 20—4.
- Brown, Robert A.: *See*—  
Aitken, William H., Brown, and du Pont. 2,722,157.
- Brown, Robert H. 2,702,636, Cl. 210—112.
- Brown, Robert H., to Westinghouse Air Brake Co. 2,721,994, Cl. 340—258.
- Brown, Robert L., to Chicago Bridge & Iron Co. 2,713,196, Cl. 29—196.
- Brown, Robert W. 2,706,022, Cl. 189—31.5.
- Brown, Robert W., to United States Rubber Co. 2,716,107, Cl. 260—84.1.
- Brown, Roland, and L. H. N. Watton, to Block & Anderson Ltd. 2,724,330, Cl. 101—132.5.
- Brown, Roy W., to The Firestone Tire & Rubber Co. 2,700,458, Cl. 206—46.
- Brown, Roy W., to The Firestone Tire & Rubber Co. 2,713,498, Cl. 280—104.5.
- Brown, Russell H., to Standard Oil Co. 2,727,852, Cl. 196—33.
- Brown, Russell H., and W. D. Schmidt, to Standard Oil Co. 2,727,854, Cl. 196—50.
- Brown-Saltman Furniture Co.: *See*—  
Keal, John J. 2,727,799.
- Brown & Sharpe Mfg. Co.: *See*—  
Hirsch, George B. 2,701,987.
- Brown, Shepherd F. 2,698,986, Cl. 28—72.
- Brown, Stanley: *See*—  
Fluke, John M., and Brown. 2,705,145.
- Brown, Steffen S., to The Brown-Brockmeyer Co. 2,722,645, Cl. 318—225.
- Brown, Steffen S., to The Brown-Brockmeyer Co. 2,727,215, Cl. 339—32.
- Brown, T. Z., to Taylor Machine Works. 2,723,771, Cl. 214—672.
- Brown, Theodore E. 2,722,899, Cl. 105—423.
- Brown, Theophilus, to Deere & Co. 2,725,810, Cl. 97—47.14.
- Brown, Thomas F., to Westinghouse Electric Corp. 2,717,339, Cl. 317—119.
- Brown, Thomas W., to Lombard Governor Corp. 2,727,523, Cl. 137—34.
- Brown, Wallace W.: *See*—  
Brent, Jewell A., Brown, and Roy. 2,724,652.
- Brown, Walter, to The Brewster Co. 2,707,618, Cl. 255—19.
- Brown, Walter E.: *See*—  
Harrison, Stuart A., and Brown. 2,711,400.
- Brown, Walter J. 2,721,968, Cl. 318—269.
- Brown, Warren D., J. C. Dudley, A. E. Flemming, and M. J. Sturtevant, to Chrysler Corp. 2,705,655, Cl. 288—23.
- Brown, Werner C., to Hercules Powder Co. 2,727,934, Cl. 260—735.
- Brown, Wilbur F., G. C. Mook, J. J. Jarosi, and C. W. Davis, Jr., to Libbey-Owens-Ford Glass Co. 2,714,558, Cl. 106—54.
- Brown, William C. 2,716,521, Cl. 235—61.



- Brown, William E., to Cutler-Hammer, Inc. 2,700,878, Cl. 62—4.  
 Brown, William E., to Dioptron Co. 2,715,295, Cl. 43—107.  
 Brown, William E., to General Motors Corp. 2,724,750, Cl. 200—61.34.  
 Brown, William E., to General Motors Corp. 2,724,758, Cl. 201—48.  
 Brown, William E., to General Motors Corp. 2,725,432, Cl. 200—16.  
 Brown, William E., to General Motors Corp. 2,727,955, Cl. 200—61.78.  
 Brown, William F., to International Coffee Corp. 2,715,868, Cl. 99—302.  
 Brown, William H. 2,711,205, Cl. 153—52.  
 Brown, William H. 2,712,622, Cl. 318—6.  
 Brown, William J., and W. M. Joule, to Research Corp. 2,702,090, Cl. 183—7.  
 Brown, William R. 2,720,659, Cl. 5—2.  
 Brown, William S., to British Celanese Ltd. 2,720,366, Cl. 242—150.  
 Brown, William Y., to Brown Grease Gun Co. 2,718,343, Cl. 226—22.  
 Brownback, Henry L. 2,709,871, Cl. 47—8.  
 Browne, Denis W.: *See—*  
   Allan, John, Stephens, and Browne. 2,703,434.  
 Browne, Eugene V.: *See—*  
   Amster, Warren H., Holleman, and Browne. 2,712,420.  
   Feeney, Thomas A., and Browne. 2,711,867.  
 Browne, Kenneth A., and S. G. Guins, to The Chesapeake and Ohio Railway Co. 2,720,431, Cl. 308—83.  
 Browning, Clarence L. 2,723,815, Cl. 248—29.  
 Browning, George G. and W. P., to The G & W Mfg. Co., Inc. 2,707,069, Cl. 222—449.  
 Browning, John. 2,725,161, Cl. 222—243.  
 Browning, Lewis M., Jr., to Socony Mobil Oil Co. Inc. 2,718,458, Cl. 23—184.  
 Browning, Lewis M., Jr., and R. M. Kauffman, to Socony Mobil Oil Co., Inc. 2,725,339, Cl. 196—32.  
 Browning, Richard L., to Victor R. Browning & Co., Inc. 2,707,053, Cl. 212—21.  
 Browning, Samuel H. 2,726,700, Cl. 153—1.  
 Browning, Victor R., & Co., Inc.: *See—*  
   Browning, Richard L. 2,707,053.  
 Browning, Walter P.: *See—*  
   Browning, George G. and W. P. 2,707,069.  
 Brownlee, Clarence S. 2,699,349, Cl. 288—32.  
 Brownlee, Herbert N., and W. P. Carbaugh. 2,727,776, Cl. 292—276.  
 Brownscombe, Eugene R.: *See—*  
   Whorton, Leonidas P., and Brownscombe. 2,724,437.  
   Whorton, Leonidas P., and Brownscombe. 2,724,438.  
 Brownstein, Jerome J., to Jean Roberts of California. 2,704,985, Cl. 112—134.  
 Brownstein, Louis, to Glove Sewers, Inc. 2,702,014, Cl. 112—2.  
 Brownstein, Louis, to Nasan Metal Products, Inc. 2,715,984, Cl. 223—49.  
 Brownstein, Raymond G. 2,701,456, Cl. 64—15.  
 Brownwill Scientific, Inc.: *See—*  
   Juchheim, Moritz K. 2,723,564.  
 Broyhill, Roy F. 2,728,594, Cl. 287—100.  
 Broyles, Margaret H.: *See—*  
   Meyer, Lester W. A., and Broyles. 2,708,638.  
   Meyer, Lester W. A., and Broyles. 2,716,071.  
 Broz, Albert F. 2,718,372, Cl. 251—174.  
 Brubaker, Damon P., to The National Cash Register Company. 2,714,988, Cl. 235—62.  
 Brubaker, Isaac M.: *See—*  
   Brubaker, Jacob Z. 2,724,556.  
 Brubaker, Jacob Z., deceased; I. M. and R. M. Brubaker, executors. 2,724,556, Cl. 237—123.  
 Brubaker, Rufus M.: *See—*  
   Brubaker, Jacob Z. 2,724,556.  
 Brubaker, Wilson M., to the United States of America as represented by the United States Atomic Energy Commission. 2,717,963, Cl. 250—49.5.  
 Bruce, Douglas B.: *See—*  
   Putnam, John T., and Bruce. 2,713,940.  
 Bruce, E. L., Co.: *See—*  
   Doolin, Paul M. 2,710,031.  
   Lyons, Frank H. 2,711,987.  
 Bruce, Edmond, and W. A. Reenstra, to Bell Telephone Laboratories, Inc. 2,724,746, Cl. 179—26.  
 Bruce Engineering Corp.: *See—*  
   Bruce, John K. 2,702,644.  
   Bruce, John K., and Frank. 2,714,481.  
 Bruce, John K., to Bruce Engineering Corp. 2,702,644, Cl. 214—309.  
 Bruce, John K., and H. J. Black, to Production Aids Inc. 2,699,264, Cl. 214—6.  
 Bruce, John K., and G. L. Frank, to Bruce Engineering Corp. 2,714,481, Cl. 226—15.  
 Bruce, John N. E., and J. F. Maxa. 2,722,397, Cl. 251—110.  
 Bruce Mfg. and Molding Co., Inc.: *See—*  
   Earl, Norman M., and Brown. 2,702,521.  
 Bruce, William F.: *See—*  
   Blomberg, Richard N., and Bruce. 2,700,681.  
   Blomberg, Richard N., and Bruce. 2,700,682.  
   Huber, Richard D., and Bruce. 2,721,201.  
   Szabo, Joseph L., and Bruce. 2,709,700.  
   Szabo, Joseph L., and Bruce. 2,715,624.  
 Bruce, William F., and J. Seifter, to American Home Products Corp. 2,700,680, Cl. 260—559.  
 Bruce, William F., and J. Seifter, to American Home Products Corp. 2,719,862, Cl. 260—562.  
 Bruck, George, to Radiation, Inc. 2,708,734, Cl. 323—20.  
 Brück, Lothar, to Compagnie Generale de Telegraphie Sans Fil. 2,699,519, Cl. 315—5.  
 Brück, Lothar, and H. Huber, to Compagnie Generale de Telegraphie Sans Fil. 2,720,609, Cl. 315—3.5.  
 Brucker, William E. 2,721,566, Cl. 134—101.  
 Bruckner, Adolph J. 2,698,439, Cl. 4—253.  
 Bruckner, Charles J.: *See—*  
   Shirk, Robert M., and Bruckner. 2,717,809.  
 Bruderlin, Henry H., and G. K. Mann. 2,706,638, Cl. 274—4.  
 Brueckmann, Helmut, to the United States of America as represented by the Secretary of the Army. 2,700,733, Cl. 250—33.51.  
 Brueckmann, Helmut, to the United States of America as represented by the Secretary of the Army. 2,705,737, Cl. 174—43.  
 Brueckner, Alfred H.: *See—*  
   Meadows, Carl M., Brueckner, and Gochenour. 2,720,484.  
 Brueckner, Alfred H., C. M. Meadows, and W. S. and R. B. Gochenour, to Allied Laboratories, Inc. 2,720,485, Cl. 167—80.  
 Brueggeman, William C., and J. T. Hart, Jr. 2,703,490, Cl. 73—67.  
 Bruene, Warren B., to Collins Radio Co. 2,717,371, Cl. 340—170.  
 Bruestle, Carl O., to Syncro Machine Co. 2,705,111, Cl. 242—46.2.  
 Bruestle, Carl O., to Syncro Machine Co. 2,712,381, Cl. 205—20.  
 Bruestle, Carl O., to Syncro Machine Co. 2,723,744, Cl. 205—20.  
 Bruestle, William P., to The J. H. Day Co., Inc. 2,712,376, Cl. 198—31.  
 Brugge, Berend R. T.: *See—*  
   Lanfers, Hero H., Brugge, and Mulder. 2,713,138.  
 Brugge, Walter J.: *See—*  
   Hueber, Carl J., and Brugge. 2,710,407.  
 Bruggen, Bernhardt B.: *See—*  
   Hoffmann, Elmer L., and Bruggen. 2,716,254.  
 Bruggmann, Albert, to Ludi & Cie, Metallwarenfabriken. 2,709,809, Cl. 1—68.  
 Brugler, Richard L.: *See—*  
   Loveley, Joseph D., Brugler, and Miller. 2,717,508.  
 Brugler, Richard L., to Chrysler Corp. 2,726,518, Cl. 62—129.  
 Bruggmann, William H., Jr.: *See—*  
   Morway, Arnold J., and Bruggmann. 2,710,838.  
 Bruijning, Hugo G., to Hartford National Bank and Trust Co. 2,727,174, Cl. 313—163.  
 Bruining, Hajo, and H. J. Lemmens, to Hartford National Bank and Trust Co., trustee. 2,713,129, Cl. 313—65.  
 Bruker, Hobart W., to George W. Swift, Jr., Inc. 2,710,044, Cl. 154—31.  
 Bruker, Hobart W., to George W. Swift, Jr., Inc. 2,710,045, Cl. 154—32.  
 Bruker, Hobart W., and H. F. Black, to George W. Swift, Jr., Inc. 2,718,712, Cl. 34—155.  
 Brukner, Clayton J. 2,716,698, Cl. 240—1.  
 Brulin, Laurence W., and S. C. Willis, to C & C Super Corp. 2,704,627, Cl. 226—46.1.  
 Brumat Corp.: *See—*  
   Jones, Hugh J. 2,718,843.  
 Brumbach, Robert E., to Samuel Moore & Co. 2,707,307, Cl. 18—16.  
 Brumbaugh, Chester C.: *See—*  
   Butler, Wilburn J., Sullender, and Brumbaugh. 2,723,108.  
 Brumbaugh, George U., to Peterbilt Motors Co. 2,699,223, Cl. 180—89.  
 Brumbaugh, George U., to Peterbilt Motors Co. 2,701,031, Cl. 187—9.  
 Brumfield, Philip E., to Commercial Solvents Corp. 2,726,239, Cl. 260—211.3.  
 Brummer, Olin, E. F. Heimbuch, and A. Eadie. 2,719,743, Cl. 288—2.  
 Brummer, Olin, and E. F. Heimbuch; said Heimbuch assor. to Brummer Seal Co. 2,722,439, Cl. 286—11.  
 Brummer Seal Co.: *See—*  
   Brummer, Olin, and Heimbuch. 2,722,439.  
 Brummett, Henry T. 2,723,369, Cl. 317—159.  
 Brunberg, Karl G., to Telefonaktiebolaget L. M. Ericsson. 2,718,556, Cl. 179—27.  
 Brundage, Alan D., to Houdaille-Hershey Corp. 2,719,036, Cl. 268—74.  
 Brundage, John F., to Allis-Chalmers Mfg. Co. 2,704,021, Cl. 97—234.  
 Brundin, Nils H., to Högans-Billesholms Aktiebolag. 2,728,655, Cl. 75—0.5.  
 Brundrett, George A., to General Motors Corp. 2,717,058, Cl. 188—88.  
 Bruner, Walter M., to E. I. du Pont de Nemours and Co. 2,711,961, Cl. 92—21.  
 Brüniche-Olsen, Henning A., to Aktieselskabet de Danske Sukkerfabrikker. 2,713,009, Cl. 127—7.  
 Brunk, Leslie L., to Renberles Products Co. 2,713,096, Cl. 200—31.  
 Brunn, Kenneth R.: *See—*  
   Rhodes, Laddie T., and Brunn. 2,721,268.  
 Brunner, Niklaus, to Societe Anonyme Adolphe Saurer. 2,707,976, Cl. 139—273.  
 Brunner, Paul E. 2,715,439, Cl. 164—59.  
 Brunner, Ray C., to Jones & Laughlin Steel Corp. 2,710,589, Cl. 118—51.



- Brunner, Ray C., to Jones & Laughlin Steel Corp. 2,728,533, Cl. 242—76.
- Brunner, Richard J., to Bendix Aviation Corp. 2,701,709, Cl. 261—41.
- Bruno, Joseph C.: *See*—  
Sisk, William C., and Bruno. 2,725,595.
- Bruns, Carl N., to The Connecticut Hard Rubber Co. 2,713,017, Cl. 154—126.
- Bruns, Harold E., to Hart-Carter Co. 2,705,056, Cl. 184—6.
- Bruns, Herbert F.: *See*—  
Gullixson, Harold R., and Bruns. 2,720,165.
- Bruns, Herbert F., to Ditto, Inc. 2,727,461, Cl. 101—218.
- Bruns, Herbert F., and B. J. Golbeck, to Ditto, Inc. 2,704,028, Cl. 101—415.1.
- Bruns, William H., to Otis Elevator Co. 2,699,226, Cl. 187—29.
- Bruns, William H., to Otis Elevator Co. 2,712,365, Cl. 187—29.
- Brusing, Rex L., to Vacuum Cooling Co. 2,699,048, Cl. 62—178.
- Brunson, Arley L. 2,713,387, Cl. 158—91.
- Brunsting, Ralph, and C. M. Casselman. 2,717,723, Cl. 222—189.
- Brunsviga Maschinenwerke Aktiengesellschaft: *See*—  
Heindorff, Hans. 2,727,689.
- Brunswick-Balke-Collender Co., The: *See*—  
Anderson, Robert I., Winkler, and Wurn. 2,707,105.  
Chapman, David, and Reineman. 2,709,119.  
Chapman, David, and Reineman. 2,722,965.  
Huck, William F. 2,709,083.  
Huck, William F. 2,717,155.  
Montooth, George A., and Schlitt. 2,705,146.  
Watson, Lester H. 2,714,256.
- Brunton, Bernard. 2,714,231, Cl. 20—2.
- Brunton, Ray M. 2,723,757, Cl. 210—44.
- Brush, Milton R., to the United States of America as represented by the Secretary of the Army. 2,702,376, Cl. 339—64.
- Bruske, Walter J. 2,702,443, Cl. 43—81.
- Bruske, Walter J. 2,713,745, Cl. 43—92.
- Bruson, Herman A., to Industrial Rayon Corp. 2,700,027, Cl. 260—41.
- Bruson, Herman A., to Industrial Rayon Corp. 2,712,015, Cl. 260—247.7.
- Brust, Edmund G., Jr.: *See*—  
Raines, Thomas A. 2,714,379.
- Brustman, Joseph A., and K. L. Chien, to Radio Corp. of America. 2,702,380, Cl. 340—174.
- Bruun, Henrik J., deceased, by O. Brown, executor. 2,713,180, Cl. 16—177.
- Bruynes, Hendrik, to United Aircraft Corp. 2,709,917, Cl. 73—147.
- Bryan, Collis C., to Monsanto Chemical Co. 2,721,221, Cl. 260—600.
- Bryan, Jack T., and P. J. Daughenbaugh, to Merck & Co., Inc. 2,720,482, Cl. 167—65.
- Bryan, James S., to Philco Corporation. 2,715,155, Cl. 178—54.
- Bryan, John L., Jr., E. F. Curry, and C. A. Rivet, Jr., to Esso Research and Engineering Co. 2,705,420, Cl. 73—53.
- Bryan, Thomas E. 2,699,730, Cl. 103—233.
- Bryant, Austin U.: *See*—  
Grove, Marvin H., and Bryant. 2,720,219.  
Grove, Marvin H., and Bryant. 2,721,576.  
Grove, Marvin H., and Bryant. 2,727,530.
- Bryant, Austin U., to Grove Valve and Regulator Co. 2,700,983, Cl. 137—505.11.
- Bryant, Austin U., to Grove Valve and Regulator Co. 2,713,989, Cl. 251—324.
- Bryant Chucking Grinder Co.: *See*—  
Dix, Edward L. 2,706,369.  
Dix, Edward L. 2,711,056.  
Dix, Edward L. 2,715,304.  
Dix, Edward L. 2,723,499.  
Grobey, Paul A. 2,704,915.  
Grobey, Paul A. 2,712,449.  
Grobey, Paul A. 2,719,721.  
Grobey, Paul A. 2,723,497.
- Bryant Electric Co., The: *See*—  
Hodgkins, Charles H. 2,722,666.  
O'Donnell, Henry L., Meehan, and Forstrom. 2,728,057.
- Bryant, James G. 2,710,149, Cl. 241—89.
- Bryant, Jayne. 2,722,694, Cl. 5—336.
- Bryant, Jerrus M., and B. O. Richards, to Link-Belt Co. 2,708,125, Cl. 286—5.
- Bryant, Joseph A. 2,712,680, Cl. 25—39.
- Bryce, Hugh G.: *See*—  
Scholberg, Harold M., and Bryce. 2,717,871.
- Bryceland, Maurice C. 2,727,666, Cl. 226—20.4.
- Bryda, Walter H. 2,708,328, Cl. 45—131.
- Bryden, George, to Marshall Richards Machine Co. Ltd. 2,708,024, Cl. 205—14.
- Bryn, John G. 2,714,909, Cl. 146—213.
- Bryner, Fred, to The Dow Chemical Co. 2,726,270, Cl. 260—624.
- Brynge, Per G. 2,708,856, Cl. 81—165.
- Brynge, Per G. 2,709,387, Cl. 81—165.
- Brynge, Per G. 2,720,805, Cl. 81—165.
- Bryson, Gerson L., to Alexander Brothers Belting Co. 2,699,020, Cl. 51—169.
- Bub, Frank: *See*—  
Hamilton, William C., and Bub. 2,710,003.
- Bubb, Frank W., to Phillips Petroleum Co. 2,713,457, Cl. 235—61.
- Bubb, Frank W., and R. L. Morton, Jr. 2,709,079, Cl. 267—1.
- Bubb, Frank W., Jr., to R. L. Sprengnether, administratrix of the estate of W. F. Sprengnether, deceased. 2,706,800, Cl. 324—41.
- Bubenzner, Tillman E. 2,709,987, Cl. 119—52.
- Buc, George L.: *See*—  
Maresh, Charles, and Buc. 2,707,900.
- Buc, Saul R.: *See*—  
Owen, Emily M., and Buc. 2,711,397.
- Buc, Saul R., to General Aniline & Film Corp. 2,699,386, Cl. 52—23.
- Buc, Saul R., to General Aniline & Film Corp. 2,704,299, Cl. 260—614.
- Buc, Saul R., to General Aniline & Film Corp. 2,721,211, Cl. 260—562.
- Buc, Saul R., to General Aniline & Film Corp. 2,728,794, Cl. 260—553.
- Bucek, Hans: *See*—  
Berghaus, Bernhard, and Bucek. 2,701,846.
- Buchanan, Andrew E., III. 2,719,333, Cl. 19—139.
- Buchanan, Andrew E., III. 2,719,334, Cl. 19—139.
- Buchanan, Andrew E., III, and D. R. Green. 2,719,335, Cl. 19—139.
- Buchanan, Ben F., to International Minerals & Chemical Corp. 2,709,658, Cl. 99—194.
- Buchanan Electrical Products Corp.: *See*—  
Buchanan, Stephen N. Re. 24,074.  
Buchanan, Stephen N., and McGuinness. 2,727,220.  
Kusiv, Daniel B., and Roberts. 2,714,827.  
Labuza, Walter. 2,727,416.
- Buchanan, George G.: *See*—  
Stenzel, Richard W., Plaut, and Buchanan. 2,716,618.
- Buchanan, Leslie B. M. 2,714,837, Cl. 89—41.
- Buchanan, Leslie B. M. 2,723,596, Cl. 89—41.
- Buchanan, Ross W., R. W. Smith, and T. G. McDougal, to General Motors Corp. 2,703,356, Cl. 201—75.
- Buchanan Steel Products Corp.: *See*—  
Mills, Edward L., and Donahue. 2,719,353.
- Buchanan, Stephen N., to Buchanan Electrical Products Corp. Re. 24,074, Cl. 174—87.
- Buchanan, Stephen N., and W. F. McGuinness, to Buchanan Electrical Products Corp. 2,727,220, Cl. 339—272.
- Buchdahl, Rolf, and M. Baer, to Monsanto Chemical Co. 2,707,709, Cl. 260—45.5.
- Buchele, Wesley F.: *See*—  
Steinbruegge, George W., McNeal, and Buchele. 2,718,782.
- Bucher, Thomas T. N., to Radio Corp. of America. 2,708,739, Cl. 332—29.
- Buchet, Pierre. 2,728,143, Cl. 33—138.
- Buchhold, Theodor, W. Haeusserrmann, and K. A. Lindner, to the United States of America as represented by the Secretary of the Army. 2,717,969, Cl. 310—112.
- Buchler, Joseph. 2,701,079, Cl. 222—152.
- Buchman, Edwin R., to Research Corp. 2,703,808, Cl. 260—456.
- Buchmann, Albin, to Scintilla Ltd. 2,714,673, Cl. 310—84.
- Buchmann, Fred J.: *See*—  
Mattox, William J., and Buchmann. 2,708,674.  
Owen, John J., and Buchmann. 2,706,206.
- Buchmann, Gerhard, to International Standard Electric Corp. 2,717,047, Cl. 181—32.
- Büchner, Karl, and H. Stader, to Ruhrchemie Aktiengesellschaft. 2,701,265, Cl. 260—598.
- Büchner, Karl, and A. Hagemann, to Ruhrchemie Aktiengesellschaft. 2,701,816, Cl. 260—598.
- Buchner, Robert B., to Hartford National Bank and Trust Co., trustee. 2,709,203, Cl. 179—18.
- Buck, Benjamin I., deceased; H. B. Rollins, executor, 1/2 to said H. B. Rollins. 2,703,123, Cl. 146—48.
- Buck, Benjamin I., deceased; H. B. Rollins, executor, 1/2 to said H. B. Rollins. 2,703,124, Cl. 146—48.
- Buck, David T., to Buck Engineering Co., Inc. 2,698,597, Cl. 118—503.
- Buck Engineering Co., Inc.: *See*—  
Buck, David T. 2,698,597.
- Buck, James B., Jr. 2,718,060, Cl. 31—32.
- Buck, Julian R., and J. C. Petree, to Socony-Vacuum Oil Co., Inc. 2,699,675, Cl. 73—155.
- Buck, Roy M.: *See*—  
Jackson, Theodore F. 2,719,450.
- Buck, W. Floyd, and R. I. Thomas, to a partnership composed of said Buck, said Thomas, H. H. Urbach, and C. E. Melker. 2,699,793, Cl. 134—143.
- Buck, Willard E., to the United States of America as represented by the Secretary of War. 2,705,274, Cl. 201—63.
- Buck, Willard E., and P. Travers, to the United States of America as represented by the Secretary of War. 2,715,364, Cl. 102—3.
- Buckbee-Mears Co.: *See*—  
Mears, Norman B. 2,710,591.  
Mears, Norman B. 2,710,814.  
Mears, Norman B. 2,720,146.
- Buckendale, Lawrence R., to Rockwell Spring and Axle Co. 2,699,075, Cl. 74—710.
- Buckeye Cotton Oil Co., The: *See*—  
McMath, Charles W. 2,724,148.  
Nugent, Charles T., and Gotthoffer. 2,712,540.  
Nugent, Charles T., and Kaucher. 2,712,539.
- Buckeye Incubator Co., The: *See*—  
Bailey, Ralph K. 2,704,531.
- Buckeye Iron & Brass Works: *See*—  
Lindsay, Griffith W. 2,722,337.  
Reasoner, Richard C., and Helfinstine. 2,710,019.



- Buckeye Laboratories Corp., The : *See*—  
 Egger, Charles J., and Webster. 2,702,268.
- Buckeye Molding Co. : *See*—  
 Strom, William T. 2,718,980.
- Buckeye Ribbon & Carbon Co., The : *See*—  
 Murphy, Harold P., and Frank. 2,728,439.
- Buckeye Steel Castings Co., The : *See*—  
 Furniss, Loree E. 2,705,078.  
 Settles, James C. 2,723,630.
- Buckholtz, Charles A., to American-La France-Foamite Corp. 2,713,391, Cl. 169—6.
- Buckley, Arthur H., to Reliable Electric Co. 2,700,199, Cl. 24—123.
- Buckley, Arthur H., to Reliable Electric Co. 2,700,200, Cl. 24—201.
- Buckley, Leslie : *See*—  
 Watson, William H., Osbaldeston, and Buckley. 2,728,113.
- Buckley, Sidney E. : *See*—  
 Barnard, Roy M., and Buckley. 2,706,682.
- Buckley, Stuart E., and W. D. Mounce, to Esso Research and Engineering Co. 2,708,155, Cl. 23—230.
- Buckley, Stuart E., and W. D. Mounce, to Esso Research and Engineering Co. 2,725,282, Cl. 23—253.
- Bucknall, Eric H., to The International Nickel Co., Inc. 2,709,145, Cl. 148—13.1.
- Bucknell, Ernest H. : *See*—  
 Bletcher, Ralph E., and Ward. 2,706,998.  
 Bletcher, Ralph E., and Ward. 2,726,120.
- Bucknell, Mabel : *See*—  
 Bletcher, Ralph E., and Ward. 2,706,998.  
 Bletcher, Ralph E., and Ward. 2,726,120.
- Buckner, Louis H., to Blue Industries, Inc. 2,718,873, Cl. 119—29.5.
- Buckner Mfg. Co. : *See*—  
 Kimbro, William. 2,712,457.
- Buckreis, John C., to Bear Brand Hosiery Co. 2,723,546, Cl. 66—147.
- Bucks County Enterprises Inc. : *See*—  
 Setman, George L. 2,704,974.
- Buckwalter, Frank H., to Bristol Laboratories Inc. 2,713,020, Cl. 167—68.
- Buckwalter, Frank H., and A. P. Granatek, to Bristol Laboratories Inc. 2,721,193, Cl. 260—239.1.
- Buckwalter, Frank H., and A. P. Granatek, to Bristol Laboratories Inc. 2,721,194, Cl. 260—239.1.
- Buckwalter, Frank H., and A. P. Granatek, to Bristol Laboratories Inc. 2,721,195, Cl. 260—239.1.
- Buckwalter, Frank H., and M. A. Kaplan, to Bristol Laboratories Inc. 2,723,938, Cl. 167—65.
- Bucyrus-Erie Co. : *See*—  
 Baer, Josef. 2,707,343.  
 Davidson, Trevor O. 2,712,701.  
 Davidson, Trevor O., and Learmont. 2,727,794.  
 Thornburg, Herbert W. 2,715,015.
- Bud, Hans, and H. Greenbow, to English Numbering Machines Ltd. 2,713,971, Cl. 235—91.
- Buda, Chester, and E. Mittermayer, to Envo-Tab Co. 2,718,828, Cl. 93—61.
- Budai, Steve G., to The Globe-Wernicke Co. 2,708,292, Cl. 20—4.
- Budai, Steve G., to Balcrank, Inc. 2,709,481, Cl. 155—139.
- Budd Co., The : *See*—  
 Davis, Kenneth E., and Weightman. 2,724,158.  
 Dean, Walter B. 2,719,489.  
 Dean, Walter B. 2,724,344.  
 Dean, Walter B., and Dean. 2,713,832.  
 Eggert, Walter S., Jr. 2,709,108.  
 Eksergian, Carolus L., and Mann. 2,713,923.  
 Harman, Henry M. 2,713,738.  
 Huard, Alexander J. 2,703,924.  
 Koch, Hermann H. 2,713,930.  
 Lindsay, Alexander R. 2,711,340.  
 Reynolds, Lewis F., and Fesmire. 2,698,569.  
 Schmidt, Ottmar E. 2,713,197.  
 Vahey, Stanley C. 2,709,106.  
 Watter, Michael. 2,711,101.  
 Watter, Michael. 2,724,347.  
 Watter, Michael. 2,725,255.
- Budd, Larry J., J. G. Heidenreich, R. J. Lane, and H. G. Hafenberg, to Pallet Devices, Inc. 2,725,171, Cl. 229—7.
- Budget Press, The : *See*—  
 Pidgeon, Joseph A. 2,705,587.
- Budd, Richard W. 2,704,302, Cl. 174—175.
- Budreck, Frances, to Monarch Tool & Machinery Co. 2,722,159, Cl. 88—77.
- Budzinski, Sylvester M. 2,719,066, Cl. 311—21.
- Budzyna, Walter J., and L. M. Rogers, to Draper Corp. 2,722,240, Cl. 139—308.
- Bueche, Arthur M. : *See*—  
 Safford, Moyer M., and Bueche. 2,710,290.
- Buechel, Pauline S. 2,715,406, Cl. 134—94.
- Buechler, Paul W., to Speed Products Co., Inc. 2,702,383, Cl. 1—3.
- Buechler, William R. : *See*—  
 Edwards, Keith A., and Buechler. 2,712,748.
- Buechner, William W. : *See*—  
 Van de Graaff, Robert J., and Buechner. 2,714,679.
- Buedingen, William J. 2,698,470, Cl. 24—73.
- Buegler, Joseph A. : *See*—  
 Lippel, Bernard, and Buegler. 2,714,204.
- Buehler, Arthur : *See*—  
 Ruegg, Rudolf, Buehler, and Moser. 2,715,120.  
 Zickendraht, Christian, and Buehler. 2,727,031.
- Buehler, Arthur, to Ciba Ltd. 2,720,518, Cl. 260—199.
- Buehler, Arthur, and C. Zickendraht, to Ciba Ltd. 2,727,032, Cl. 260—147.
- Buehler, Maurice E. 2,706,265, Cl. 315—24.
- Buehne, Willis G., to General Electric Co. 2,712,052, Cl. 219—38.
- Bueler, Anton : *See*—  
 Steinbauer, Franz. 2,722,288.
- Buell, Charles K., and A. Clark, to Phillips Petroleum Co. 2,699,986, Cl. 23—212.
- Buell, Charley E. 2,715,809, Cl. 56—28.
- Buen, Anders A., to Pailman (Patent) Products Ltd. 2,709,958, Cl. 100—144.
- Buening, Jerome M. : *See*—  
 Fessenden, Marvin S., and Buening. 2,713,740.
- Buensod-Stacey, Inc. : *See*—  
 Kreuttner, Joseph W. 2,720,151.  
 Lyman, Samuel E. 2,718,840.  
 Lyman, Samuel E. 2,720,150.  
 Marshall, Harrison W. 2,708,568.
- Buerger, Herbert, to Del Krome Corp. 2,710,775, Cl. 301—37.
- Buerger, Herbert, to Del-Krome Corp. 2,710,776, Cl. 301—37.
- Buerger, Herbert. 2,728,610, Cl. 301—37.
- Buff, Bern F. : *See*—  
 Harbordt, Carl G., and Buff. 2,701,067.
- Buffalo-Eclipse Corp. : *See*—  
 Thelander, Clement C. J. 2,707,362.
- Buffalo Forge Co. : *See*—  
 Madison, Richard D., Burgin, Elliot, and Robson. 2,727,680.
- Buffalo Pottery Inc. : *See*—  
 Gould, Robert E., Wahl, and Mead. 2,699,591.
- Bugard, Pierre. 2,709,523, Cl. 210—53.
- Bugbee, Charles W., to Ford Motor Co. 2,726,894, Cl. 296—44.5.
- Bugg, Kenly C., to Falcon Industries, Inc. Re. 23,924, Cl. 131—194.
- Bugg, Kenly C., to Paramount Paper Tube Corp. 2,709,400, Cl. 93—80.
- Bugg, Owen T., Jr. 2,700,836, Cl. 38—136.
- Bugge, Erling P. 2,719,448, Cl. 81—145.
- Bugiel, Jean : *See*—  
 Gasca, Albin, and Bugiel. 2,721,879.
- Bugmann, Werner : *See*—  
 Indergand, Josef, Pudeloko, and Bugmann. 2,699,365.
- Buhler, Eugen, to International Business Machines Corp. 2,702,506, Cl. 101—93.
- Buhler, Eugen, to International Business Machines Corp. 2,717,685, Cl. 197—17.
- Buhler, Eugen, to International Business Machines Corp. 2,726,940, Cl. 41—1.
- Buhler, Eugen, and E. J. Clark, to International Business Machines Corp. 2,720,134, Cl. 84—451.
- Bühler, Hermann. 2,720,074, Cl. 57—56.
- Buhler, James D., E. T. Smith, and C. B. Folkrod, to Kaiser Aluminum & Chemical Corp. 2,699,931, Cl. 263—52.
- Buhrer, Johann, to Firma Busch-Werke A. G. 2,715,328, Cl. 66—60.
- Buhrer, William G. 2,722,384, Cl. 238—218.
- Buker, Earl L. : *See*—  
 Tretheway, William J., Kennard, and Buker. 2,721,364.
- Bukey, John R., and A. G. Smolka, to The Firestone Tire & Rubber Co. 2,700,630, Cl. 154—102.
- Bulfer, Hayes S. 2,700,858, Cl. 56—18.
- Bulkley, William L., to Standard Oil Co. 2,728,410, Cl. 183—40.
- Bull, Almond D. 2,701,121, Cl. 255—1.4.
- Bull, Arthur C. : *See*—  
 Schmale, Otto H., and Bull. 2,704,190.
- Bull, Arthur W., and R. J. Matt, to United States Rubber Co. 2,705,529, Cl. 155—189.
- Bull, Eric W., to Electric & Musical Industries Ltd. 2,725,496, Cl. 313—77.
- Bull, Ole O. : *See*—  
 Sönderby, Aage. 2,701,400.
- Bullard Clark Co., The : *See*—  
 Lundgren, William E. 2,702,055.
- Bullard Co., The : *See*—  
 Johnson, Ernest H. 2,704,391.
- Bullard, Earl J., deceased ; B. B. Green, executrix. Re. 23,937, Cl. 51—131.
- Bulldog Electric Products Co. : *See*—  
 Frank, William H., and Farnsworth. 2,700,706.
- Bulleyment, Keith J., to Minneapolis-Honeywell Regulator Co. 2,706,289, Cl. 340—345.
- Bullock, Byrrell W., and S. Silverman, to the United States of America as represented by the Secretary of the Navy. 2,723,589, Cl. 88—14.
- Bullock, Giles E. 2,711,625, Cl. 56—332.
- Bullock, John A. : *See*—  
 Stanley, Alonzo F., and Bullock. 2,698,586.
- Bullock, Milton W. : *See*—  
 Fox, Sidney W., and Bullock. 2,701,250.  
 Fox, Sidney W., and Bullock. 2,701,251.
- Bullows, Alfred, & Sons Ltd. : *See*—  
 Boyce, Guy B. 2,722,395.
- Bullwinkle, Benjamin B. : *See*—  
 Erickson, Virginus R., and Bullwinkle. 2,713,166.  
 Erickson, Virginus R., and Bullwinkle. 2,722,003.
- Bulova Watch Co., Inc. : *See*—  
 Punzmann, Carl. 2,720,746.
- Bulova Watch Co. Inc., New York, Bienné Branch : *See*—  
 Hetzel, Max. 2,707,875.  
 Hetzel, Max. 2,714,306.



- Bulova Watch Co., Inc. New York, Succursale de Bienne: *See—*  
 Godat, Abel. 2,700,273.  
 Buls, Vernon W.: *See—*  
 Morris, Rupert C., and Buls. 2,724,643.  
 Bulthuis, Henricus W.: *See—*  
 Bouwers, Albert, Blaisse, and Bulthuis. 2,707,417.  
 Bumb, Richard C., to North American Aviation, Inc. 2,721,446, Cl. 60—51.  
 Bumgardner, J. Raymond: *See—*  
 Mandeville, Henry L. 2,706,042.  
 Bump, Charles K.: *See—*  
 Park, Harold F., and Bump. 2,726,204.  
 Bump, Charles K., to Monsanto Chemical Co. 2,710,268, Cl. 117—126.  
 Bunch, Tillman T., to Western Electric Co., Inc. 2,709,051, Cl. 242—116.  
 Bunch, Tillman T., to Western Electric Co., Inc. 2,724,809, Cl. 339—97.  
 Bundy, Francis P., to the United States of America as represented by the Secretary of the Navy. 2,705,313, Cl. 340—11.  
 Bundy, Francis P., to General Electric Co. 2,717,319, Cl. 310—16.  
 Bundy, Lawrence W.: *See—*  
 Kornhauser, Saunders, and Bundy. 2,719,780.  
 Bundy, Merton R.: *See—*  
 Senior, Richard A., and Bundy. 2,701,173.  
 Bundy Tubing Co.: *See—*  
 Snively, Andrew J. 2,720,022.  
 Bungas, George. 2,720,385, Cl. 261—17.  
 Bungas, George. 2,720,386, Cl. 261—24.  
 Bungert, Heinrich: *See—*  
 Benink, Christian J. M., Bungert, Clauss, Meissler, Schumann, and Schuster. 2,704,526.  
 Bunka, George. 2,708,577, Cl. 273—2.  
 Bunker, Carl D. 2,704,379, Cl. 18—3.5.  
 Bunn, Earl H. 2,707,608, Cl. 248—62.  
 Bunnell, Fred H. 2,727,811, Cl. 48—193.  
 Bunnell, Raymond H.: *See—*  
 Hatcher, David B., and Bunnell. 2,726,176.  
 Bunnell, William S., to Boyar-Schultz Corp. 2,709,931, Cl. 77—5.  
 Bunow, Jacob: *See—*  
 Trivas, Victor A., and Bunow. 2,724,127.  
 Buntin, George A., to Hercules Powder Co. 2,725,332, Cl. 167—33.  
 Buntin, George A., to Hercules Powder Co. 2,725,333, Cl. 167—33.  
 Bunting, Albert L., to Continental Filling Corp. 2,716,637, Cl. 260—23.  
 Bunting, Ernest V.: *See—*  
 Klemm, Herman G., and Bunting. 2,721,509.  
 Bunting, Ernest V., to Harry Ferguson, Inc. 2,707,612, Cl. 251—62.  
 Bunting, Ernest V., to Harry Ferguson, Inc. 2,715,863, Cl. 97—46.07.  
 Bunting, Francis W., to Continental Foundry and Machine Co. 2,710,745, Cl. 261—115.  
 Bunting Glider Co.: *See—*  
 Goldberg, Aaron S. 2,719,572.  
 Buongiorno, Frank G. 2,726,850, Cl. 257—262.16.  
 Buono, Mario, to U. S. Blind Stitch Machine Corp. 2,699,131, Cl. 112—176.  
 Burandt, Edith L. 2,710,409, Cl. 2—160.  
 Buras, Frederick, Jr. 2,721,675, Cl. 222—103.  
 Burawoy, Onissim, to The Renold and Coventry Chain Co. Ltd. 2,703,019, Cl. 74—242.11.  
 Burbank, Helen: *See—*  
 Pinaud, John A. 2,717,461.  
 Burbank, Richard H. 2,703,200, Cl. 232—43.3.  
 Burbidge, Arden D., and J. M. Hetland. 2,700,453, Cl. 198—185.  
 Burch, William E.: *See—*  
 Hall, Robert N., and Burch. 2,714,183.  
 Burchett, Ray L.: *See—*  
 Garrett, Sherman S., Nissen, and Burchett. 2,728,335.  
 Burchett, Ray L., to Ronson Corp. 2,715,329, Cl. 67—7.1.  
 Burchett, Ray L., and W. I. Nissen, to Ronson Corp. 2,711,645, Cl. 73—40.  
 Burchett, Roy,  $\frac{1}{2}$  to H. Sander. 2,722,015, Cl. 4—46.  
 Burchett, Willard: *See—*  
 Currihan, John F., and Burchett. 2,720,162.  
 Burchfield, Willard F., to Jack & Heintz, Inc. 2,706,261, Cl. 310—246.  
 Burekhardt, Christof. 2,714,260, Cl. 35—19.  
 Burden, Everett. 2,699,887, Cl. 222—154.  
 Burden, Everett. 2,700,575, Cl. 299—6.  
 Burden, Everett. 2,726,017, Cl. 222—154.  
 Burden, Everett. 2,726,018, Cl. 222—190.  
 Burden, Martin L. 2,716,830, Cl. 43—42.06.  
 Burden, Thomas E., to The Standard Oil Co. 2,723,704, Cl. 153—82.  
 Burdett, Henry S. 2,710,530, Cl. 66—153.  
 Burdick Bros., Inc.: *See—*  
 Burdick, Vincent H. 2,723,164.  
 Burdick, Vincent H. and S. R. 2,710,626.  
 Burdick, Everette M. 2,724,648, Cl. 99—2.  
 Burdick, Harl C. 2,705,460, Cl. 103—204.  
 Burdick, Sherman R.: *See—*  
 Burdick, Vincent H. and S. R. 2,710,626.  
 Burdick, Vincent H., to Burdick Bros. Inc. 2,723,164, Cl. 303—26.  
 Burdick, Vincent H. and S. R., to Burdick Bros., Inc. 2,710,626, Cl. 137—498.  
 Burdick, William E., to General Steel Castings Corp. 2,705,926, Cl. 105—199.  
 Burdin, Nelson V., to Imperial Chemical Industries Ltd. 2,726,800, Cl. 226—124.  
 Büren Watch Co., S. A.: *See—*  
 Kocher, Hans. 2,707,371.  
 Buresh, Francis M.: *See—*  
 Langdon, Howard H., and Buresh. 2,703,441.  
 Buresh, Francis M., and H. H. Langdon, said Langdon assignor to Curlator Corp. 2,700,188, Cl. 19—66.  
 Buresh, Thomas T.: *See—*  
 Beranek, Wenceslaus G., and Buresh. 2,707,363.  
 Burfeind, Henry F., to the United States of America as represented by the Secretary of the Navy. 2,723,833, Cl. 254—172.  
 Burg, Homer L. 2,705,859, Cl. 56—26.  
 Burg, Kenneth E., N. W. Mann, E. J. Toomey, and S. E. Vance, to Texas Instruments Inc. 2,728,555, Cl. 255—2.  
 Burge, James S., R. M. Goodwin, and H. J. McKee, to General Motors Corp. 2,698,695, Cl. 214—10.5.  
 Burge, James S., H. J. McKee, L. H. Conrad, W. M. Rider, and J. F. Salatin, to General Motors Corp. 2,723,691, Cl. 144—32.  
 Burgemeister, Paul A., and T. J. Healy, to Crown Cork & Seal Co., Inc. 2,723,953, Cl. 204—211.  
 Burgener, Karl L., to Automatic Electric Laboratories, Inc. 2,727,948, Cl. 179—51.  
 Burger, Francis J. P. J.: *See—*  
 Vincent, Russell S., and Burger. 2,719,833.  
 Burger, Ralph J., to McCray Refrigerator Co., Inc. 2,715,321, Cl. 62—89.5.  
 Burger, Russel: *See—*  
 Mayer, Edward J. 2,702,245.  
 Burgess Battery Co.: *See—*  
 Arbogast, Ray D. 2,706,214.  
 Blake, Ivan C. 2,699,460.  
 Blake, Ivan C., and Wilke. 2,699,459.  
 Coleman, Joseph J. 2,708,685.  
 Grieve, John I. 2,708,684.  
 Kirkman, Frederick J. 2,705,250.  
 Kirkman, Frederick J. 2,705,251.  
 Kirkman, Frederick J. 2,705,252.  
 Kirkman, Frederick J. 2,705,253.  
 Kurlandsky, Sam. 2,702,756.  
 Wilke, Milton E. 2,699,461.  
 Wilke, Milton E. 2,711,437.  
 Burgess Cellulose Co.: *See—*  
 Eichmeyer, Russell R. 2,726,164.  
 Burgess, Charles R. 2,721,254, Cl. 219—39.  
 Burgess, Everett H., I. S. Gardner, and G. M. Egart, to Vapor Heating Corp. 2,718,763, Cl. 62—3.  
 Burgess-Manning Co.: *See—*  
 Chipley, Alfred S. 2,706,012.  
 Jörn, Albert T. 2,710,175.  
 Jörn, Albert T. 2,710,336.  
 Burgess, Neil, to General Electric Co. 2,718,350, Cl. 230—122.  
 Burgess-Norton Mfg. Co.: *See—*  
 Proske, Joseph. Re. 23,954.  
 Proske, Joseph. 2,719,758.  
 Waller, Gustav M. 2,712,964.  
 Waller, Gustav M. 2,719,759.  
 Burgess, Robert W., A. E. Gundersen, and J. Connors, to The Greist Mfg. Co. 2,700,948, Cl. 112—77.  
 Burgh, John. 2,726,833, Cl. 248—147.  
 Burghardt, Paul W. 2,721,037, Cl. 242—7.  
 Burghdoff, Stanley E.: *See—*  
 Johnson, Roy W., Biermann, and Burghdoff. 2,703,606.  
 Burgin, Howard C.: *See—*  
 Madison, Richard D., Burgin, Elliot, and Robson. 2,727,680.  
 Burgio, Harry A. 2,724,382, Cl. 128—81.  
 Burgon, William J., 51% to W. H. Rambo. 2,714,081, Cl. 154—101.  
 Burgoon, Mervin R.: *See—*  
 Bell, Howard C., and Burgoon. 2,717,644.  
 Burgmüller, Karl H., to Gomerue Establishment. 2,713,282, Cl. 82—1.  
 Burgy, Raymond A., to Houghton Elevator Co. 2,728,417, Cl. 187—29.  
 Burgy, Raymond A., and W. A. Nikazy, to Houghton Elevator Co. 2,728,416, Cl. 187—29.  
 Burhop, Emil. 2,708,071, Cl. 236—12.  
 Burian, Kurt, to G-M Laboratories, Inc. 2,716,724, Cl. 318—220.  
 Burkardt, Anton F., and E. H. Boeglin, to Sativa Corp. 2,726,921, Cl. 8—156.  
 Burke, Carroll: *See—*  
 Tumerman, Leon, Silvestri, and Burke. 2,708,166.  
 Burke, Charles I. 2,718,033, Cl. 18—59.  
 Burke, Charles I. 2,718,668, Cl. 18—59.  
 Burke, Frederick C., and A. E. Atkins. 2,723,834, Cl. 254—193.  
 Burke, George F. C., to United Shoe Machinery Corp. 2,722,024, Cl. 12—85.1.  
 Burke, Grant A.: *See—*  
 Lewis, Joseph M. 2,707,812.  
 Burke, James A., and H. W. Thorn. 2,722,307, Cl. 206—3.  
 Burke, John C.: *See—*  
 Jurist, Alfred E., Burke, and Gaunt. 2,719,103.  
 Burke, Louis L.: *See—*  
 Duggan, Francis F., Burke, and Davidson. 2,708,147.  
 Burke, Richard T. A. 2,725,624, Cl. 30—31.



- Burke, William F., and R. L. Essex, to Royal McBee Corp. 2,724,362, Cl. 118—69.
- Burke, William T. 2,721,369, Cl. 25—155.
- Burke, William T. 2,721,805, Cl. 106—97.
- Burkert, Carl A., to S. C. Johnson & Son, Inc. 2,700,423, Cl. 169—1.
- Burkey, Walter H. 2,725,989, Cl. 211—105.4.
- Burkhalter, Norton R. 2,708,780, Cl. 25—121.
- Burkhardt, George R., and E. J. Brown. 2,717,739, Cl. 238—243.
- Burkhardt, Otto W. 2,702,538, Cl. 125—21.
- Burkhardt, Raymond A., to United States Steel Corp. 2,700,451, Cl. 198—127.
- Burkhart, William H., to Monroe Calculating Machine Co. 2,700,755, Cl. 340—149.
- Burkholder, Reginald L.: *See—*
- Covington, William P. 2,703,831.
- Burks, Dana, Jr., to The Kendall Co. 2,709,141, Cl. 117—139.4.
- Burleigh, John E., and S. C. Fauske, to Phillips Petroleum Co. 2,702,798, Cl. 260—84.1.
- Burleson, Nettie: *See—*
- Nelson, Ingrid B. 2,711,300.
- Burling, Elmer R., and J. P. Rich. 2,706,673, Cl. 8—156.
- Burlington Engineering Co., Inc.: *See—*
- Newcomb, Walter J. 2,707,382.
- Newcomb, Walter J., and Williamson. 2,701,957.
- Newcomb, Walter J., and Williamson. 2,707,383.
- Burlington Industries, Inc.: *See—*
- Burnet, Arthur L., and Woods. 2,720,019.
- Poole, Lewis. 2,709,353.
- Burliuk, David, and E. Rambusch, to Rambusch Decorating Co. 2,716,185, Cl. 240—78.
- Burls, John P., to Nordberg Mfg. Co. 2,718,358, Cl. 241—156.
- Burman, Harold A., to The Linen Thread Co., Inc. 2,707,635, Cl. 273—29.
- Burman, William E.: *See—*
- Gudge, Alfred J., and Burman. 2,724,863.
- Burmeister, Robert M. 2,724,230, Cl. 56—25.4.
- Burdy Engineering Co., Inc.: *See—*
- Blanchard, Albert E. 2,712,167.
- Dupre, Henry P., and Rogoff. 2,710,384.
- Lazar, Michael D. 2,705,432.
- Matthysse, Irving F. 2,716,150.
- Matthysse, Irving F. 2,716,275.
- Matthysse, Irving F. 2,724,097.
- Matthysse, Irving F., and Dupre. 2,705,745.
- Reischer, Walter, and De Angelo. 2,711,571.
- Burness, Donald M., to Eastman Kodak Co. 2,725,384, Cl. 260—310.
- Burness, James, & Sons Ltd.: *See—*
- Kendall, Ronald, and Hinde. 2,699,746.
- Burnet, Arthur L., and H. J. Woods, to Burlington Industries, Inc. 2,720,019, Cl. 28—64.
- Burnett, Edward N., to Gerber Products Co. 2,706,945, Cl. 101—363.
- Burnett, Fred. 2,718,056, Cl. 30—15.5.
- Burnette, Thaddeus C., Jr., to Oerlikon Tool & Arms Corp. 2,699,829, Cl. 161—1.
- Burney, Harold W., to the United States of America as represented by the Secretary of Agriculture. 2,725,674, Cl. 47—12.
- Burney, James H., W. H. Appleton, R. De Livan, and G. M. Farly, to the United States of America as represented by the United States Atomic Energy Commission. 2,714,667, Cl. 250—41.9.
- Burney, John D.: *See—*
- Dean, Reginald S., Burney, and Cook. 2,714,580.
- Burnham, Keith E.: *See—*
- Hedlund, Harland R., and Burnham. 2,717,541.
- Burnham, Richard C.: *See—*
- Bete, John U., and Burnham. 2,701,165.
- Burnight, Thomas R.: *See—*
- Heeren, Vernon L., and Burnight. 2,724,017.
- Burnitol Mfg. Co.: *See—*
- Cranshaw, Harold B. 2,703,410.
- Burnor, Fred A., and G. E. McKinley. 2,712,469, Cl. 294—81.
- Burns, Beeler D. 2,716,856, Cl. 56—30.
- Burns, Clyde A. 2,713,794, Cl. 73—321.
- Burns, Jabez, & Sons, Inc.: *See—*
- Kopf, Joseph L. 2,716,936.
- Burns, John C. 2,705,578, Cl. 222—80.5.
- Burns, Lawrence M. 2,715,064, Cl. 75—129.
- Burns, Lester. 2,720,828, Cl. 100—88.
- Burns, Leslie L., Jr., to Radio Corp. of America. 2,701,469, Cl. 73—59.
- Burns, Louis G.: *See—*
- Kodet, Gustav, Dewees, Melvin, and Burns. 2,715,367.
- Burns, Richard H.: *See—*
- Holmes, Alvin W., and Burns. 2,708,181.
- Burns, Robert E.: *See—*
- Pfefferle, George H., and Burns. 2,721,091.
- Burns, Thomas H. S., and J. H. Benson, to National Research Development Corp. 2,720,203, Cl. 128—188.
- Burns, Thomas J. 2,725,441, Cl. 200—90.
- Burns, William E.: *See—*
- Hine, Edward K., and Burns. 2,703,992.
- Burnside, Don G., to Radio Corporation of America. 2,715,096, Cl. 204—45.
- Burnside, Don G., to Radio Corp. of America. 2,728,008, Cl. 313—85.
- Burnside, Harvey E. W., and J. W. Brown, to Standard Oil Development Co. 2,698,672, Cl. 183—83.
- Burnside, Harvey E. W., D. S. Maisel, and D. W. Wood, to Esso Research and Engineering Co. 2,722,476, Cl. 23—288.
- Burnside, Walter M., to R. T. Moloney. 2,709,593, Cl. 273—121.
- Burrell, Frank C., E. Haigh, and P. F. Keydel, to General Motors Corp. 2,713,333, Cl. 123—52.
- Burrell, Warren P., A. A. Cohen, and G. A. Hardenberg, to International Business Machines Corp. 2,718,356, Cl. 235—61.6.
- Burris, Walter C., to Westinghouse Air Brake Co. 2,699,972, Cl. 303—14.
- Burritt, Burnell O. 2,702,700, Cl. 267—1.
- Burroughs Corp.: *See—*
- Auerbach, Isaac L., and Disson. 2,719,228.
- Butler, Thomas M. 2,715,999.
- Butler, Thomas M., and Runde. 2,721,695.
- Chen, Tung C. 2,705,766.
- Fan, Sin-Pih, and Kuchinsky. 2,721,955.
- Fettig, Arthur J. 2,710,719.
- Gross, Isadore. 2,707,779.
- Parker, Charles A. 2,701,685.
- Parker, Charles A. 2,701,094.
- Parker, Charles A., and Rainey. 2,699,893.
- Parker, Charles A., and Rainey. 2,702,622.
- Wockenfuss, William. 2,708,020.
- Burroughs Wellcome & Co. (U. S. A.) Inc.: *See—*
- Abramson, Bernard, and Beals. 2,708,195.
- Adamson, Donald W. 2,712,020.
- Adamson, Donald W. 2,712,022.
- Adamson, Donald W. 2,712,023.
- Castillo, Julio C., and Phillips. 2,723,939.
- Hitchings, George H., and Elion. 2,721,866.
- Hitchings, George H., and Elion. 2,724,711.
- Burrows, John B., to The Lau Blower Co. 2,711,285, Cl. 230—117.
- Burrows, Arthur T. C., to Geo. W. King, Ltd. 2,704,148.
- Burrows, Virgil A. 2,710,138, Cl. 232—6.
- Burry Biscuit Corp.: *See—*
- Schenk, Tamis C. Re. 23,968.
- Cl. 198—88.
- Bursk, Max H.: *See—*
- Boyle, William C., and Bursk. 2,718,117.
- Burskey, Michael A. 2,718,404, Cl. 280—34.
- Burst, Francis J.: *See—*
- Hillenbrand, William A., and Burst. 2,701,374.
- Johnson, Edmund C., Burst, and Weese. 2,708,963.
- Burst, Francis J., and F. G. Carter, to Hill-Rom Co., Inc. 2,722,017, Cl. 5—331.
- Burstall, Francis H.: *See—*
- Arden, Thomas V., Burstall, Linstead, and Wells. 2,728,633.
- Burt, F. N., Co., Inc.: *See—*
- Damant, Laurence V., and Grischkat. 2,728,513.
- Wells, William J. 2,706,066.
- Burt, Fred J.: *See—*
- Harmon, Luther R. 2,700,083.
- Burt, Howard J., to Continental Can Co., Inc. 2,715,469, Cl. 214—6.
- Burt, Leland H., to Hercules Powder Co. 2,728,676, Cl. 99—154.
- Burtner, Robert R., to G. D. Searle & Co. 2,719,846, Cl. 260—256.4.
- Burnett, Harry J. 2,720,207, Cl. 132—43.
- Burton, Douglas G., to C. A. V. Ltd. 2,702,029, Cl. 123—140.
- Burton, Hobart, to Washington Iron Works. 2,720,986, Cl. 212—7.
- Burton, James R., Jr. 2,705,518, Cl. 150—1.5.
- Burton, Jesse B., to The Waterbury Farrel Foundry & Machine Co., Inc. 2,728,318, Cl. 113—113.
- Burton, John W., to J. I. Case Co. 2,699,635, Cl. 56—25.
- Burton, Ralph B. 2,707,028, Cl. 164—87.
- Burton, Robert W., to General Motors Corp. 2,707,032, Cl. 180—64.
- Burton, Thomas M., to Scott Paper Co. 2,707,146, Cl. 8—104.
- Burtscher, Arthur J.: *See—*
- Lindner, Arthur E., and Burtscher. 2,702,728.
- Burwell, Maurel G., to Century Tank Mfg. Co. 2,700,622, Cl. 117—70.
- Bury, Elmer J.: *See—*
- Sonne, Frederick T., and Bury. 2,713,814.
- Busby, John W., and C. M. Morris, to Radio Corp. of America. 2,726,346, Cl. 313—37.
- Busby, Robert L. 2,726,689, Cl. 144—1.
- Busch, Edward D. 2,702,564, Cl. 138—48.
- Busch, Frank T. 2,717,717, Cl. 220—18.
- Busch, Frank W. 2,712,863, Cl. 189—2.
- Busch, Norman G., to Air Controls, Inc. 2,726,362, Cl. 318—202.
- Bush, George L., to The Teleregister Corp. 2,717,086, Cl. 214—11.
- Bush, George L., to The Teleregister Corp. 2,727,222, Cl. 340—154.
- Bush, Jesse E.: *See—*
- Sanderlin, Ralph C., and Grant. Re. 23,961.
- Bush, John T., and L. A. W. Jenkins. 2,720,898, Cl. 144—215.
- Bush, Mansell E. 2,710,319, Cl. 200—61.44.
- Bush, Ralph R., and J. A. Favre, to General Electric Co. 2,726,295, Cl. 200—82.
- Bush, Rankin J., to Westinghouse Air Brake Co. 2,720,357, Cl. 230—206.
- Bush, Ray, to M. Saportas. 2,699,918, Cl. 254—186.



- Bush, Robert G., and G. H. Hannon, to L. D. Schreiber & Co., Inc. 2,711,585, Cl. 31—30.
- Bush, Stone E.: *See*—  
Ringo, Dan, Miller, and Bush. 2,706,532.
- Bush, Vannevar, and P. A. Scherer, to The Hydrofoil Corp. 2,709,979, Cl. 114—66.5.
- Bushby, David, to Vacuum Air Pressure Co. Ltd. 2,704,697, Cl. 309—12.
- Bushcott, Rudolph A.: *See*—  
Schwemmer, Albert, McGinty, and Bushcott. 2,717,955.
- Bushnell, Collins E., to Armstrong Cork Co. 2,720,496, Cl. 260—29.6.
- Buske, Gilbert E. 2,706,229, Cl. 200—122.
- Buskirk, Harvey R.: *See*—  
Beard, Lyle A., and Buskirk. 2,715,796.
- Busmann, Friedrich F.: *See*—  
Pleuger, Friedrich W., and Busmann. 2,714,866.
- Buss A. G.: *See*—  
Strauss, Manfred, and Truninger. 2,718,317.
- Bussard, Emmery J. H., to Avco Mfg. Co. 2,711,477, Cl. 250—20.
- Busse, Warren F.: *See*—  
Conwell, Yeates, Busse, and Caracciolo. 2,698,463.
- Busse, Warren F., and M. A. Smook, to E. I. du Pont de Nemours and Co. 2,723,255, Cl. 260—79.3.
- Bussei, Ettore. 2,709,377, Cl. 74—69.1.
- Bussing, Wilhelmus A. G., to Hartford National Bank and Trust Co., as trustee. 2,699,532, Cl. 336—100.
- Butchart, Alexander.: *See*—  
Sillitto, George P., and Butchart. 2,711,948.
- Butcher, Milton L.: *See*—  
Butcher, Orla, O. M., and M. L. 2,700,389.
- Butcher, Orla, O. M., and M. L. 2,700,389, Cl. 135—5.
- Butcher, Oscar M.: *See*—  
Butcher, Orla, O. M., and M. L. 2,700,389.
- Butler, Adolf G., to American Pipe and Construction Co. 2,703,916, Cl. 25—30.
- Butler, Edward S., and A. Sutcliffe, to Platt Brothers and Co. Ltd. 2,715,920, Cl. 139—336.
- Butler Engineering Co., Inc.: *See*—  
Welcker, Clyde J. 2,700,647.
- Butler, Ernest L., and A. Eppler, Jr., to United Shoe Machinery Corp. 2,712,649, Cl. 1—20.
- Butler, Frazier S. 2,706,569, Cl. 214—515.
- Butler, Frazier S. 2,711,260, Cl. 214—515.
- Butler, Frazier S. 2,711,261, Cl. 214—517.
- Butler, Frazier S. 2,714,462, Cl. 214—515.
- Butler, George A.: *See*—  
Shuptrine, J. C., and Oden. 2,715,536.
- Butler, George D., and S. A. Loukomsky, to American Cyanamid Co. 2,725,487, Cl. 250—209.
- Butler, George T.: *See*—  
Ford, Ronald M., and Butler. 2,699,114.
- Butler, George T. 2,718,110, Cl. 56—126.
- Butler, Gray L., to Scovill Mfg. Co. 2,715,400, Cl. 126—208.
- Butler, Henry J.: *See*—  
Wright, Joseph, and Butler. 2,728,420.
- Butler, Henry J., to Dunlop Rubber Co. Ltd. 2,728,421, Cl. 188—218.
- Butler, John M., to Monsanto Chemical Co. 2,703,791, Cl. 260—31.8.
- Butler, John M., to Monsanto Chemical Co. 2,720,512, Cl. 260—88.7.
- Butler, John R., J. E. Dew, and D. G. Zink, to Stanolind Oil and Gas Co. 2,724,641, Cl. 23—225.
- Butler, Keith H., and R. M. Rulon, to Sylvania Electric Products Inc. 2,722,511, Cl. 204—130.
- Butler, Keith H., and H. H. Homer, to Sylvania Electric Products Inc. 2,728,730, Cl. 252—301.6.
- Butler, Keith H., and A. B. Davis, to Sylvania Electric Products Inc. 2,728,731, Cl. 252—301.6.
- Butler, Robert P., <sup>28</sup>/<sub>88</sub> to J. T. Reader, <sup>22</sup>/<sub>88</sub> to A. E. Fisher, and <sup>16</sup>/<sub>88</sub> to H. E. Rose, jointly. 2,723,084, Cl. 237—9.
- Butler, Thomas M., to Burroughs Corp. 2,715,999, Cl. 235—137.
- Butler, Thomas M., and B. A. Runde, to Burroughs Corp. 2,721,695, Cl. 235—60.48.
- Butler, Van B.: *See*—  
Tatom, Raymond F., Butler, Lee, and Lund. 2,726,056.
- Butler, Wilburn J., M. C. Sullender, and C. C. Brumbaugh, to Diamond Alkali Co. 2,723,108, Cl. 257—6.
- Butler, William F.: *See*—  
Beacham, Robert C., Butler, and Corcoran. 2,698,619.
- Butler, William F., to Cutter Laboratories, Inc. 2,704,074, Cl. 128—221.
- Butlin, Charles E., to American Safety Razor Corp. 2,701,910, Cl. 30—62.
- Butsch, Paul V., to United States Rubber Co. 2,711,977, Cl. 117—139.
- Butt, Joe V.: *See*—  
Pugh, Willis L., and H. G. 2,702,543.
- Butter, George A., Jr.: *See*—  
Powers, Augustin J., Jr., and Butter. 2,701,183.
- Butterfield, John P., to Chrysler Corp. 2,707,799, Cl. 16—180.
- Butterfield, Louis B., and J. H. Sulzer, to Western Electric Co., Inc. 2,703,280, Cl. 95—1.9.
- Butterfield, Louis M. 2,722,313, Cl. 209—121.
- Butterworth, Gilbert J., and S. W. Gurasich, to Sperry-Sun Well Surveying Co. 2,713,261, Cl. 73—155.
- Butterworth, Robert. 2,709,963, Cl. 102—83.
- Butterworth System, Inc.: *See*—  
Williams, Robert T. 2,728,589.
- Buttery, Kenneth T., to Sutherland Paper Co. 2,701,090, Cl. 229—22.
- Buttery, Kenneth T., to Sutherland Paper Co. 2,706,075, Cl. 229—28.
- Buttery, Kenneth T., to Sutherland Paper Co. 2,707,586, Cl. 229—16.
- Buttery, Kenneth T., to Sutherland Paper Co. 2,712,409, Cl. 229—35.
- Buttery, Kenneth T., and T. Vander Lugt, Jr., to Sutherland Paper Co. 2,711,844, Cl. 220—111.
- Buttery, Kenneth T., and T. Vander Lugt, Jr., to Sutherland Paper Co. 2,712,882, Cl. 220—113.
- Buttery, Kenneth T., and T. V. Lugt, Jr., to Sutherland Paper Co. 2,719,650, Cl. 220—113.
- Buttery, Kenneth T., and M. J. Coe, to Sutherland Paper Co. 2,727,620, Cl. 206—45.19.
- Buttiger, Charles M.: *See*—  
Riddell, Vernon E., and Buttiger. 2,708,332.
- Buttigieg, John. 2,719,473, Cl. 95—90.5.
- Buttino, Albert L., to The Rauland Corp. 2,715,298, Cl. 49—1.
- Buttke, Edward W. 2,712,766, Cl. 81—180.
- Büttner, Artur M., to Schnellpressenfabrik Aktiengesellschaft Heidelberg. 2,705,455, Cl. 101—425.
- Button, Donald M.: *See*—  
Sewell, Curtis, Jr., and Button. 2,717,353.
- Buttress, George A. 2,708,300, Cl. 25—44.
- Buttress, George A. 2,712,169, Cl. 25—107.
- Butts, John N. 2,700,840, Cl. 43—1.
- Buvelot, John A., to American Steel Foundries. 2,719,741, Cl. 287—59.
- Buxton, Inc.: *See*—  
Broughton, Douglas J. 2,705,038.
- Duell, Morgan V. 2,709,358.
- Fontana, Giovanni. 2,714,911.
- Montessi, Peter J. 2,727,550.
- Buxton, James E., to Bendix Aviation Corp. 2,708,370, Cl. 74—7.
- Buxton, James E., to Bendix Aviation Corp. 2,716,346, Cl. 74—7.
- Buxton, James E., to Bendix Aviation Corp. 2,727,998, Cl. 290—38.
- Buxton, Linus W., to United Shoe Machinery Corp. 2,700,168, Cl. 12—42.
- Buyisch, Heinrich A., and R. Boehmann, to H. K. Söhne. 2,724,888, Cl. 26—62.
- Buyse, Richard L., to Modern Controls Corp. 2,720,918, Cl. 158—113.
- Buzzetti, Charles J., and W. L. Howland, to Lockheed Aircraft Corp. 2,722,587, Cl. 201—63.
- Byam, Erwin B.: *See*—  
Schaeffer, Joseph M., and Byam. 2,728,267.
- Byam, Peter M., to Fasco Industries, Inc. 2,700,709, Cl. 200—88.
- Byczek, Stanley C. 2,720,886, Cl. 135—20.
- Byers, J. Harold, and R. R. Colton. 2,699,553, Cl. 2—175.
- Byers, John R., Jr.: *See*—  
Allen, Charles F. H., and Byers. 2,725,305.
- Allen, Charles F. H., Byers, and Murray. 2,728,663.
- Byers, Ralph C. 2,721,039, Cl. 242—32.
- Byers, Robert C., to the United States of America as represented by the Secretary of the Navy. 2,716,873, Cl. 64—11.
- Byington, James A., to Fruit Treating Corp. 2,701,064, Cl. 214—8.5.
- Byrd, Gerald J.: *See*—  
Russell, John K., Craig, Byrd, and Maeder. 2,727,028.
- Byrd, John F., and J. D. Pyffe, to Radio Corp. of America. 2,722,570, Cl. 179—100.3.
- Byrem, Gerald H., to Aircraft-Marine Products Inc. 2,722,146, Cl. 81—15.
- Byrkett, Elwood L., to The Sheffield Corp. 2,706,397, Cl. 73—37.5.
- Byrne, John F., to the United States of America as represented by the Secretary of War. 2,704,805, Cl. 250—20.
- Byrne, John F., and P. D. Strum, to Airborne Instruments Laboratory, Inc. 2,721,936, Cl. 250—20.
- Byrne, Robert M., to Goodyear Aircraft Corp. 2,707,255, Cl. 318—28.
- Byrne, Thomas.: *See*—  
Boyle, Archibald R., and Byrne. 2,708,361.
- Byrns, Alva C., to The Kaiser Aluminum & Chemical Corp. 2,716,589, Cl. 23—131.
- Byron, Edgar S.: *See*—  
Baker, Robert F., and Byron. 2,721,138.
- Bystrom, Harry O. 2,711,544, Cl. 5—2.
- C. A. V. Ltd.: *See*—  
Burton, Douglas G. 2,702,029.
- Evans, Fraser M. 2,698,580.
- Howe, Frank R. 2,716,901.
- Knight, Basil E. 2,711,894.
- Muraszew, Alexander. 2,713,310.
- Nicolls, Wilfred E. W. 2,698,614.
- Seilly, Alec H. 2,727,158.
- Waters, Albert V. 2,717,340.
- C & C Super Corp.: *See*—  
Brulin, Laurence W., and Willis. 2,704,627.
- Johnson, Rom T., and Hansen. 2,701,771.
- C. E. M. Co.: *See*—  
Koehl, Herman. 2,705,071.
- C. G. S. Laboratories, Inc.: *See*—  
Carver, Lawrence M. 2,708,219.
- Dewitz, Gerhard H. 2,727,211.



- "C. H. Boehringer Sohn": *See*—  
 Gerner, Fritz. 2,714,125.  
 Wieland, Theodor, and Sehring. 2,713,045.  
 Wieland, Theodor, and Sehring. 2,715,119.
- C. & M. Mfg. Co.: *See*—  
 Thompson, William J. 2,702,117.
- C-O-Two Fire Equipment Co.: *See*—  
 Ensminger, Harry. 2,698,730.  
 Haessler, Walter M. 2,704,127.
- C. V. Fabriek voor Auto-en Machinebouw, Reinigings-en Brandweermaterieel v/h J. Geesink & Zonen: *See*—  
 De Graaff, Pieter. 2,706,058.
- C. V. Machinefabriek H. Vissers: *See*—  
 Vissers, Herbert. 2,718,337.
- Cabbe, John R., to Servo Corp. of America. 2,713,663, Cl. 324—123.
- Cabell, Foraker A. 2,722,134, Cl. 74—472.  
 Cabell, Foraker A. 2,722,140, Cl. 74—711.
- Cable, Clyde, and G. L. Lair. 2,710,111, Cl. 220—52.
- Cable, Donald E.: *See*—  
 Ladd, Elbert C., Harvey, Cable, and Szayna. 2,725,411.
- Cab-O-Mat, Inc.: *See*—  
 Jones, Roy E., Sr. 2,725,787.
- Cabot, Godfrey L., Inc.: *See*—  
 Billings, Curtis, and Darwin. 2,719,078.  
 Bray, Richard I., and Dobbin. 2,719,779.  
 Gray, George S., and Hahn. 2,708,542.  
 Jackson, William M., II. 2,726,963.  
 Stokes, Charles A. 2,720,939.
- Cacciatore, Tony D. 2,718,852, Cl. 105—153.
- Caciagli, Armando. 2,719,346, Cl. 25—45.
- Cadaco-Ellis: *See*—  
 Hiser, Ernest F. 2,720,722.
- Caddel, Flora E. 2,708,323, Cl. 38—111.
- Caddock, Richard E. 2,708,918, Cl. 123—117.
- Caddock, Richard E. 2,710,176, Cl. 261—64.
- Cadman, Coin Q. 2,715,026, Cl. 273—171.
- Cadman, Harold O., to Gardner Machine Co. 2,717,682, Cl. 193—38.
- Cadman, Ira F.: *See*—  
 Babcock, Joel R., and Cadman. 2,721,932.
- Cadman, Ira F., to Westinghouse Air Brake Co. 2,712,595, Cl. 246—107.
- Cado, Erwin E., to Motorola, Inc. 2,728,693, Cl. 117—212.
- Cadorette, George, and H. W. Thatcher, to The Draper Corp. 2,714,404, Cl. 139—304.
- Cadwell, Leonard E., and A. F. Schmutzler, to American Cyanamid Co. 2,711,431, Cl. 260—635.
- Cadwell, Leonard E., and J. C. Petropoulos, to American Cyanamid Co. 2,713,039, Cl. 260—22.
- Cady, Charles A.,  $\frac{1}{2}$  to H. S. Bird. 2,724,084, Cl. 320—34.
- Cady, Floyd A. 2,709,311, Cl. 37—43.
- Cady, John E., to United States Rubber Co. 2,717,627, Cl. 154—9.
- Cady, Percy L., Jr. 2,716,436, Cl. 153—15.
- Caffiaux, Jean A., and W. H. Hannahs, to Sylvania Electric Products Inc. 2,720,578, Cl. 219—12.
- Cahil, Joseph A.: *See*—  
 Frins, Maximilian C. 2,718,055.
- Cahil Mfg. Co.: *See*—  
 Frins, Maximilian C. 2,718,055.
- Cahill, Harold D., to Bell Telephone Laboratories, Inc. 2,727,092, Cl. 179—7.
- Cahn, Herbert. 2,706,283, Cl. 339—108.
- Cahn, Herbert. 2,713,669, Cl. 339—105.
- Cahn, Robert P., and H. Ernst, Jr., to Esso Research and Engineering Co. 2,725,349, Cl. 202—14.
- Cahoon, Edward F., J. H. Holland, and W. A. MacDonald, to Teleautograph Corp. 2,711,442, Cl. 178—19.
- Cahow, Theodore W., and R. W. Wilson, to Ford Motor Co. 2,712,276, Cl. 97—26.
- Caiaccia, Marion A.: *See*—  
 Pastorius, Louis E., III, and Caiaccia. 2,702,127.
- Cailliot, Serge. 2,706,629, Cl. 271—218.
- Cain, Claude W., and J. A. Yarbrough. 2,706,846, Cl. 28—40.
- Cain, Cornelius K. 2,715,633, Cl. 260—309.6.
- Cain, Harry W. 2,722,334, Cl. 217—60.
- Cain, Joseph H. 2,718,311, Cl. 212—4.
- Cain, Robert M., to Wilcox-Gay Corp. 2,706,637, Cl. 274—4.
- Cain, Stanley F., to McGill Metal Products Co. 2,724,209, Cl. 43—83.5.
- Cain, William C., to The American Hardware Corp. 2,701,161, Cl. 292—347.
- Cain, William J., to Republic Steel Corp. 2,719,896, Cl. 200—152.
- Cairelli, Eremeldo: *See*—  
 Rundblad, George J., and Cairelli. 2,717,099.  
 Rundblad, George J., and Cairelli. 2,726,659.
- Cairnes, Charles W., to Bendix Aviation Corp. 2,719,921, Cl. 250—33.65.
- Cairnes, Charles W., and S. S. Brady, to Aircraft Armaments, Inc. 2,701,629, Cl. 188—129.
- Cairns, Frederick E., Jr., to General Controls Co. 2,720,614, Cl. 317—123.
- Cairns, Robert E., to Monsanto Chemical Co. 2,727,693, Cl. 241—23.
- Cake, William R.: *See*—  
 Klein, David X., and Cake. 2,719,867.
- Calabrese, Antonio, to J. Dan Florito. 2,709,452, Cl. 137—637.1.
- Calabrese, Luis J. 2,704,460, Cl. 74—70.
- Calabrese, Michael D., to Sunway Fruit Products. 2,725,978, Cl. 206—45.
- Calabretta, Frank. 2,707,326, Cl. 30—41.
- Calcagno, Luigi. 2,712,672, Cl. 18—48.
- Calcaterra, Joseph P., to Carando Machine Works. 2,720,241, Cl. 153—73.
- Calcinator Corp.: *See*—  
 Hebert, John W. 2,701,294.  
 Herbert, John W. 2,715,880.
- Caldwell, Bernard E. 2,699,188, Cl. 143—132.
- Caldwell, Clarence H., and W. K. Caldwell. 2,716,770, Cl. 15—126.
- Caldwell, Conrad C. 2,718,570, Cl. 200—90.
- Caldwell, E. L., & Sons: *See*—  
 Caldwell, Edward L., Jr., and F. C. 2,701,942.  
 Caldwell, Frederick C., and E. L. 2,706,441.
- Caldwell, Edward L., Jr.: *See*—  
 Caldwell, Frederick C., and E. L. 2,706,441.
- Caldwell, Edward L., Jr., and F. C., to E. L. Caldwell & Sons. 2,701,942, Cl. 56—23.
- Caldwell, Edward S. 2,710,037, Cl. 150—38.
- Caldwell, Ferris H. 2,700,809, Cl. 24—237.
- Caldwell, Ferris H. 2,720,014, Cl. 24—73.
- Caldwell, Frederick C.: *See*—  
 Caldwell, Edward L., Jr., and F. C. 2,701,942.
- Caldwell, Frederick C. and E. L., Jr., to E. L. Caldwell & Sons. 2,706,441, Cl. 97—212.
- Caldwell, James C. 2,699,023, Cl. 55—13.
- Caldwell, Joe J., Jr.: *See*—  
 Lyman, Joseph, and Caldwell. 2,713,121.
- Caldwell, Joe P. 2,708,566, Cl. 255—4.
- Caldwell, John R., to Eastman Kodak Co. 2,703,291, Cl. 106—187.
- Caldwell, John R., to Eastman Kodak Co. 2,706,720, Cl. 260—32.6.
- Caldwell, John R., to Eastman Kodak Co. 2,706,721, Cl. 260—32.6.
- Caldwell, John R., to Eastman Kodak Co. 2,706,722, Cl. 260—32.8.
- Caldwell, John R., to Eastman Kodak Co. 2,719,136, Cl. 260—45.5.
- Caldwell, John R., to Eastman Kodak Co. 2,720,502, Cl. 260—75.
- Caldwell, John R., to Eastman Kodak Co. 2,720,507, Cl. 260—75.
- Caldwell, John R., to Eastman Kodak Co. 2,725,370, Cl. 260—85.5.
- Caldwell, John R., to Eastman Kodak Co. 2,728,738, Cl. 260—30.8.
- Caldwell, John R., and J. W. Wellman, to Eastman Kodak Co. 2,720,504, Cl. 260—75.
- Caldwell, John R., and J. W. Wellman, to Eastman Kodak Co. 2,720,505, Cl. 260—75.
- Caldwell, John R., and D. D. Reynolds, to Eastman Kodak Co. 2,720,506, Cl. 260—75.
- Caldwell, John R., and J. W. Wellman, to Eastman Kodak Co. 2,727,881, Cl. 260—75.
- Caldwell, Kenneth. 2,706,877, Cl. 55—17.
- Caldwell, Lewis E., to Westinghouse Electric Corp. 2,722,130, Cl. 74—230.7.
- Caldwell Mfg. Co.: *See*—  
 Caldwell, Robert E. 2,706,465.
- Caldwell, Robert E., to Caldwell Mfg. Co. 2,706,465, Cl. 119—157.
- Caldwell, Samuel H., R. Higonnet, and L. Moyroud, to Graphic Arts Research Foundation, Inc. 2,699,859, Cl. 197—84.
- Caldwell, Walter K.: *See*—  
 Caldwell, Clarence H., and W. K. 2,716,770.
- Caldwell, Washington J. 2,703,923, Cl. 29—205.
- Caldwell, Washington J. 2,705,978, Cl. 140—1.
- Caldwell, Wesley H.: *See*—  
 Schulte, Fritz. 2,715,528.
- Caldwell, William A. 2,719,560, Cl. 152—419.
- Caldwell, William A. 2,723,700, Cl. 152—418.
- Caldwell, William J. 2,706,942, Cl. 98—40.
- Caldwell, William J. 2,708,546, Cl. 230—114.
- Calhoun, James J., and H. M. Cook, to E. I. du Pont de Nemours & Co. Re. 23,977, Cl. 242—43.
- Calibron Products, Inc.: *See*—  
 Edison, Theodore M. 2,724,183.
- Calico Printers Association Ltd., The: *See*—  
 Miller, William S., and Schofield. 2,711,971.
- Caliendo, Angelo H.: *See*—  
 Anderson, Bror E., Caliendo, and Renwick. 2,704,025.
- California Forms, Inc.: *See*—  
 Block, Sydney J. and L. W. 2,725,574.
- California Institute Research Foundation: *See*—  
 Atkinson, Spencer B. 2,716,283.  
 Riddle, Fred M. 2,728,049.
- California Packing Corp.: *See*—  
 Bartlett, Harold W. 2,711,275.  
 Bartlett, Harold W. 2,713,409.  
 Carlston, Earl F., and Lum. 2,715,620.
- Salkin, Max. 2,719,993.
- Woodruff, Richard L., Mulvany, and Clayton. 2,716,087.
- California Reinforced Plastics Co.: *See*—  
 Steele, Roger C. 2,719,807.
- California Research Corp.: *See*—  
 Aroyan, Harry J. 2,722,548.  
 Barusch, Maurice R., Payne, and Neu. 2,706,740.  
 Benoit, George J., Jr. 2,723,294.  
 Brengle, Alfred S., and Stewart. 2,709,173.  
 Clayton, James O., Lindstrom, and Stuart. 2,700,022.  
 Darragh, John L. 2,728,684.  
 Defoe, Edward C., and Blair. 2,721,833.  
 Easthagen, John H., and Allen. 2,726,992.  
 Ellis, John R. B. 2,722,506.



California Research Corp.: *See*—Continued.

Ferstandig, Louis L. 2,706,735.  
 Foehr, Edward G. 2,717,242.  
 Gaby, Philip P. 2,705,814.  
 Harle, Oliver L. 2,718,501.  
 Harle, Oliver L. 2,721,177.  
 Harle, Oliver L. 2,721,178.  
 Hotten, Bruce W. 2,709,157.  
 Hotten, Bruce W. 2,719,826.  
 Johnson, Gordon B. 2,719,785.  
 Langlois, Gordon E. 2,713,600.  
 Levine, Irving E., and Elwell. 2,723,261.  
 Lewis, Allen H., and Searle. 2,709,684.  
 Lewis, Allen H., and Searle. 2,709,685.  
 Lewis, Allen H., and Stayner. 2,709,686.  
 Lewis, Allen H., and Stayner. 2,709,687.  
 Lowe, Warren. 2,713,557.  
 Lowe, Warren B. 2,719,827.  
 Ludwig, Milton. 2,727,470.  
 Mithoff, Robert C., and Hull. 2,706,254.  
 Neely, George L. 2,708,922.  
 Pino, Manuel A. 2,702,817.  
 Postlewaite, William R., Rogers, and Long. 2,728,466.  
 Rohrback, Gilson H. 2,717,651.  
 Rohrback, Gilson H. 2,728,400.  
 Rossi, William J. 2,702,784.  
 Rutherford, John T. 2,723,995.  
 Scott, John W., Jr. 2,710,828.  
 Scott, Willard R., Jr. 2,723,232.  
 Sieg, Robert P., and Wellman. 2,706,741.  
 Smith, Calvin S., Jr. 2,702,091.  
 Stayner, Richard D. 2,702,774.  
 Stayner, Richard D. and R. A. 2,699,991.  
 Toland, William G., Jr. 2,722,473.  
 Toland, William G., Jr. 2,722,546.  
 Toland, William G., Jr. 2,722,547.  
 Toland, William G., Jr. 2,722,549.  
 Walstrom, John E. 2,725,486.  
 Wright, James R. 2,727,054.  
 California Spray-Chemical Corp.: *See*—  
 Hansen, James W. 2,714,572.  
 Kohn, Gustave K. 2,704,291.  
 Kohn, Gustave K. 2,719,783.  
 Kohn, Gustave K. 2,719,784.  
 Calingaert, George, to Ethyl Corp. 2,713,586, Cl. 260—348.5.  
 Call, John G., to The Telatent Co., Inc. 2,723,673, Cl. 135—4.  
 Call, Wilson. 2,704,200, Cl. 254—131.  
 Callaghan Hession Corp.: *See*—  
 Asaff, Annis G. 2,698,807.  
 Asaff, Annis G. 2,717,245.  
 Callahan, Henry P., and D. G. Jordan, to American Cyanamid Co. 2,698,968, Cl. 18—58.  
 Callaway, Clarence R., to Watson Elevator Co., Inc. 2,716,467, Cl. 187—90.  
 Callaway, Clarence R., deceased (L. Callaway, executrix), to Watson Elevator Co., Inc. 2,719,608, Cl. 187—90.  
 Callaway, Lillian: *See*—  
 Callaway, Clarence R. 2,719,608.  
 Callaway Mills Co.: *See*—  
 Colvin, James J. 2,716,326.  
 Callaway, William S.: *See*—  
 Wyson, Paul V., Jr., and Callaway. 2,716,532.  
 Caller, Myer. 2,726,599, Cl. 101—6.  
 Callery Chemical Co.: *See*—  
 Schechter, William H., and Walters. 2,708,152.  
 Schechter, William H., and Walters. 2,711,946.  
 Callery, George L., and A. White, III. 2,699,960, Cl. 285—99.  
 Calling, John: *See*—  
 Borgerd, William F., Calling, and Abbott. 2,703,106.  
 Calling, John, to International Harvester Co. 2,700,362, Cl. 116—117.  
 Cal-Metal Corp.: *See*—  
 Babbitt, Charles A. 2,700,408.  
 Calosi, Carlo L., and P. B. Carwile, to Raytheon Mfg. Co. 2,704,333, Cl. 310—26.  
 Caltrider, Samuel P. 2,712,567, Cl. 174—161.  
 Calumet & Hecla, Inc.: *See*—  
 Andrews, Joseph W., and Schuler. 2,717,072.  
 Hill, Walter P. 2,726,561.  
 Kantola, Vincent, and Martin. 2,728,452.  
 Kenny, Herman C., and Abramson. 2,727,818.  
 Kenny, Herman C., and Abramson. 2,727,819.  
 Martin, John R., MacGregor, and Robson. 2,698,683.  
 Schuler, Otto R. 2,713,941.  
 Calvert, Bert S. 2,712,919, Cl. 254—173.  
 Calvert, Robert: *See*—  
 Jaysane, Edward R. 2,723,122.  
 Calvi, Pericles. 2,701,503, Cl. 88—16.6.  
 Calvin, James W., to United States Steel Corp. 2,705,072, Cl. 209—90.  
 Cambeis, Walter, and K. Haase, to Sudwerke Motoren- und Kraftwagenfabriken G. m. b. H. 2,705,480, Cl. 123—65.  
 Cambridge Industries Co.: *See*—  
 Pockel, Irving. 2,726,225.  
 Cambridge Filter Corp.: *See*—  
 Root, Samuel L., Jr. 2,720,937.  
 Camenzind, Julius J.: *See*—  
 Drew, John F., and Camenzind. 2,711,030.  
 Camerano, Sebastian. 2,723,851, Cl. 271—86.  
 Cameron, Angus E., to the United States of America as represented by the United States Atomic Energy Commission. 2,703,843, Cl. 250—41.9.

Cameron, Frank M. 2,720,104, Cl. 72—29.  
 Cameron Iron Works, Inc.: *See*—  
 Allen, Herbert. 2,700,906.  
 Allen, Herbert. 2,715,838.  
 Allen, Herbert. 2,716,016.  
 Cameron, John G. 2,727,235, Cl. 1—47.  
 Cameron, Joseph W., to Boyle-Midway Inc. 2,708,347, Cl. 62—1.  
 Cameron, Martin E., and W. Bratus, to Chrysler Corp. 2,715,912, Cl. 137—599.  
 Cameron, Robert R. 2,699,233, Cl. 189—78.  
 Cameron, Robert R. 2,724,873, Cl. 20—56.5.  
 Cameron, William E., C. W. Rumbold, Jr., and C. E. Gregory. 2,707,878, Cl. 73—184.  
 Camescasse, Pierre, and F. Mathieu, to Soberma. 2,720,454, Cl. 75—10.  
 Cameto, Leon R., to Misto 2 Gen Equipment Co. 2,699,775, Cl. 128—191.1.  
 Camfield, Cecil R.: *See*—  
 Higbie, Nathan B., and Camfield. 2,727,954.  
 Camfield Mfg. Co.: *See*—  
 Olson, Henry L., and Miller. 2,706,523.  
 Olson, Henry L., and Miller. 2,708,870.  
 Olson, Henry L., and Robinson. 2,706,445.  
 Camloc Fastener Corp.: *See*—  
 Summers, J. Mills. 2,710,214.  
 Summers, J. Mills. 2,714,032.  
 Cammon, William A.: *See*—  
 Huttenlock, George B., and Cammon. 2,709,919.  
 Camp, Bethel B. 2,718,206, Cl. 115—17.  
 Camp, Carl M. 2,728,163, Cl. 43—100.  
 Camp, Charles R., and C. E. Chamberlin, to O. B. Andrews Co. 2,713,962, Cl. 229—31.  
 Camp, Edward A.: *See*—  
 Bailey, Walter. 2,726,818.  
 Camp, Glen D., to Melpar, Inc. 2,726,386, Cl. 343—17.1.  
 Camp, James B., and E. H. Rose, to United States Steel Corp. 2,705,302, Cl. 324—34.  
 Camp, John M.: *See*—  
 Freeman, William A., Jr., and Camp. 2,708,102.  
 Camp, Leon W., to Bendix Aviation Corp. 2,723,386, Cl. 340—11.  
 Camp, Leon W., to Bendix Aviation Corp. 2,724,818, Cl. 340—9.  
 Camp Mfg. Co., Inc.: *See*—  
 Yundt, Albert P. 2,706,155.  
 Camp, Paul H.: *See*—  
 Sisley, Leslie J., and Camp. 2,707,523.  
 Camp, Percy B., to Universal Railway Devices Co. 2,709,067, Cl. 254—149.  
 Camp, Samuel C.: *See*—  
 Stevens, Donald R., and Camp. 2,714,087.  
 Campaign Cravats, Inc.: *See*—  
 Gelles, Alice. 2,709,260.  
 Campaigne, Ernest E., to Indiana University Foundation. 2,711,413, Cl. 260—309.5.  
 Campana, Charles R. 2,719,821, Cl. 204—43.  
 Campbell, A. S., Co., Inc.: *See*—  
 McLeod, Charles A. 2,698,768.  
 Campbell, Anna S., and G. E. Campbell, Jr. 2,701,912, Cl. 31—11.  
 Campbell, Bowen. 2,701,920, Cl. 34—65.  
 Campbell, David H., to North American Aviation, Inc. 2,710,918, Cl. 250—36.  
 Campbell, David H., to Ethyl Corp. 2,717,199, Cl. 23—154.  
 Campbell, David S., to Cardwell Westinghouse Co. 2,728,465, Cl. 213—44.  
 Campbell, David T. 2,728,311, Cl. 110—1.  
 Campbell, Dorothy R. 2,698,549, Cl. 81—342.  
 Campbell, E. Carl: *See*—  
 Gardner, William R. 2,702,939.  
 Campbell, Earl A. 2,704,885, Cl. 30—3.1.  
 Campbell, Elmer A., to Laclede-Christy Co. 2,723,436, Cl. 25—45.  
 Campbell, Erwin A.: *See*—  
 Jenkins, Cecil, and Campbell. 2,709,087.  
 Woollayer, Homer J., Jenkins, Iddings, and Campbell. 2,706,539.  
 Woollayer, Homer J., Jenkins, Turner, and Campbell. 2,706,540.  
 Campbell, Frank G. 2,720,371, Cl. 248—85.  
 Campbell, George E., to The Wheland Co. 2,717,186, Cl. 309—3.  
 Campbell, George E., Jr.: *See*—  
 Campbell, Anna S. and G. E. 2,701,912.  
 Campbell, George H., and R. G. and B. Martin, to Solar Engineering & Equipment Co. 2,721,516, Cl. 101—407.  
 Campbell, Gregory J., to St. Joe Machines, Inc. 2,724,044, Cl. 219—39.  
 Campbell, Harold A.: *See*—  
 Common, James L., and Campbell. 2,698,803.  
 Campbell, Harris S., to The Firestone Tire & Rubber Co. 2,700,424, Cl. 170—135.75.  
 Campbell, Harris S., to Eastern Rotorcraft Corp. 2,705,461, Cl. 105—369.  
 Campbell, Howard N.: *See*—  
 Richter, Henry, and Campbell. 2,723,176.  
 Campbell, Ivor E., to the United States of America as represented by the United States Atomic Energy Commission. 2,716,051, Cl. 23—87.  
 Campbell, James M., 50% to C. D. Lawrence. 2,726,590, Cl. 97—52.  
 Campbell, James R. 2,712,055, Cl. 219—44.



- Campbell, John C.: *See*—  
Rosamond, Samuel M., and Campbell. 2,720,857.
- Campbell, John F., to The Goodyear Tire & Rubber Co. 2,712,208, Cl. 53—9.
- Campbell, John M.: *See*—  
Brent, George D., Campbell, and Gustin. 2,725,919.
- Campbell, John M., to Westinghouse Electric Corp. 2,725,031, Cl. 118—3.
- Campbell, Joseph L., A. H. Osmond, and G. C. Hutchinson. 2,709,665, Cl. 117—138.5.
- Campbell, Lee R., F. E. Ebert, A. L. Schoening, and L. C. Reiterman. 2,713,165, Cl. 1—44.4.
- Campbell, M. L.: *See*—  
Holtkamp, Clarence E. 2,711,174.
- Campbell, Mark E.: *See*—  
Ziebolz, Herbert, Campbell, and Baring. 2,712,184.  
Ziebolz, Herbert, Campbell, and Baring. 2,712,414.
- Campbell, Maxwellton S.: *See*—  
Montgomery, John A., and Campbell. 2,717,873.
- Campbell, Richard L., to Allen B. Du Mont Laboratories, Inc. 2,715,681, Cl. 250—40.
- Campbell, Robert L., to Collins Radio Co. 2,712,753, Cl. 73—67.
- Campbell, Rollin E., to Forse Equipment Corp. 2,728,152, Cl. 38—35.
- Campbell, Sumner E. 2,711,990, Cl. 196—35.
- Campbell, Sylvester J.: *See*—  
Fisher, Martin H., and Campbell. 2,709,772.  
Helmick, Charles G., Jr., and Campbell. 2,727,694.
- Campbell, Tod W., and G. M. Coppinger, to the United States of America as represented by the Secretary of Agriculture. 2,709,657, Cl. 99—171.
- Campbell, Walter H. 2,717,309, Cl. 250—17.
- Campbell Williamson Co., Inc.: *See*—  
Neely, Palace J. 2,708,886.
- Campbell, Wyant & Cannon Foundry Co.: *See*—  
Krepps, William R. 2,710,997.  
Wagner, Frederick A., and Pierce. 2,700,624.
- Campfield, Arthur E., and W. Davis, to Arthur E. Campfield, Inc. 2,716,992, Cl. 135—3.
- Campfield, Arthur E., Inc.: *See*—  
Campfield, Arthur E., and Davis. 2,716,992.
- Camping, Robert L., and R. C. Treseder, to General Motors Corp. 2,698,666, Cl. 170—159.
- Camping, Robert L., and R. C. Treseder, to General Motors Corp. 2,708,483, Cl. 170—159.
- Campins, Frank C.: *See*—  
Austin, Herbert F., Jr., Konigsberg, Morrison, and Campins. 2,716,617.
- Campise, Nash O., and M. C. Brock, to Houston Oil Field Material Co., Inc. 2,725,744, Cl. 73—56.
- Campisi, Hugo A. 2,726,380, Cl. 340—279.
- Campo, Joseph M.,  $\frac{1}{2}$  to M. H. Swartz. 2,727,798, Cl. 311—35.
- Campos, Francisco, to Societe Anonyme dite: Societe des Brevets Logabax. 2,702,670, Cl. 235—133.
- Campos, Francisco, to Societe Anonyme dite: Societe des Brevets Logabax. 2,705,109, Cl. 235—145.
- Camprubi Planas, Alberto. 2,727,290, Cl. 24—205.13.
- Camras, Marvin, to Armour Research Foundation of Illinois Institute of Technology. 2,699,408, Cl. 117—81.
- Camras, Marvin, to Armour Research Foundation of Illinois Institute of Technology. 2,702,833, Cl. 179—100.2.
- Camras, Marvin, to Armour Research Foundation of Illinois Institute of Technology. 2,702,835, Cl. 179—100.2.
- Camras, Marvin, to Armour Research Foundation of Illinois Institute of Technology. 2,706,118, Cl. 274—4.
- Camras, Marvin, to Armour Research Foundation of Illinois Institute of Technology. 2,710,662, Cl. 181—31.
- Camras, Marvin, to Armour Research Foundation of Illinois Institute of Technology. 2,713,091, Cl. 179—100.2.
- Camras, Marvin, to Armour Research Foundation of Illinois Institute of Technology. 2,713,462, Cl. 242—68.
- Canada, Her Majesty the Queen in the right of, as represented by the Minister of National Defence: *See*—  
Bekker, Mieczyslaw G. 2,708,608.  
Bekker, Mieczyslaw G. 2,726,904.  
Cowie, Wilbur E., and Blouin. 2,713,167.
- Canada Packers, Ltd.: *See*—  
McKerns, Kenneth W. 2,701,228.
- Canada Wire & Cable Co. Ltd.: *See*—  
Smith, Esmond W. 2,711,439.
- Canadian General Electric Co., Ltd.: *See*—  
De Buda, Rudolf G. 2,710,380.  
Wellington, Harold S. 2,722,668.
- Canadian Industries (1954) Ltd.: *See*—  
Hamilton, William E. 2,707,439.  
Jones, Elwyn D. 2,707,198.  
La Prairie, Adolphe J. C. 2,699,117.  
Mann, William, and Towell. 2,707,438.
- Canadian International Paper Co.: *See*—  
Charles, Frank R. 2,719,464.  
Charles, Frank R., and Dixon. 2,710,861.  
Dosne, Rene E., and Johnson. 2,715,871.  
Duncan, Robert D. 2,722,164.  
Garrett, Francis A. 2,707,836.  
Rapson, William H., and Wayman. 2,716,058.
- Canales, John L., to Dixon Engineering Co. 2,721,015, Cl. 226—2.
- Canales, John L., to Dixon Engineering Co. 2,721,016, Cl. 226—2.
- Candlin, James E., Jr., to Pullman-Standard Car Mfg. Co. 2,728,305, Cl. 105—45.4.
- Candlin, James E., Jr., H. L. Norby, R. G. Aylmer, and H. F. Peterson, to Pullman-Standard Car Mfg. Co. 2,700,507, Cl. 237—40.
- Candor, Robert R., to General Motors Corp. 2,701,451, Cl. 62—8.
- Candor, Robert R., to General Motors Corp. 2,727,315, Cl. 34—45.
- Candy, Albert T. 2,723,480, Cl. 43—3.
- Canet, René M. 2,699,298, Cl. 242—61.
- Canfield, Frank V., and L. B. Reynolds, to Ethyl Corp. 2,726,935, Cl. 23—190.
- Canfield, William B.: *See*—  
Rust, John B., and Canfield. 2,708,662.
- Canfield, William E., to E. L. Hardin Associates, Inc. 2,707,422, Cl. 94—46.
- Canfora, Arthur E.: *See*—  
Shenk, Eugene R., Canfora, and Volz. 2,716,158.
- Canfora, Arthur E., A. Liguori, and D. Mandato, Jr., to Radio Corp. of America. 2,705,261, Cl. 178—70.
- Cangemi, Salvatore J. 2,713,731, Cl. 36—34.
- Canicoba, Saul. 2,705,217, Cl. 202—185.
- Canicoba, Saul. 2,705,218, Cl. 202—185.
- Cann, Arthur F.: *See*—  
Taylor, Malcolm, and Cann. 2,717,980.
- Cann, Harry E., Sr., and M. B., to Esco Cabinet Co. 2,713,248, Cl. 62—4.
- Cann, Harry E., Sr., and M. B., to Esco Cabinet Co. 2,713,251, Cl. 62—4.
- Cann, Merrill B.: *See*—  
Cann, Harry E., Sr., and M. B. 2,713,248.  
Cann, Harry E., Sr., and M. B. 2,713,251.
- Cannady, J. Cleve: *See*—  
Teague, Virgil E. 2,718,724.
- Cannard, Richard E.: *See*—  
Boulware, James E., and Cannard. 2,703,771.
- Cannard, Ruth E.: *See*—  
Boulware, James E., and Cannard. 2,703,771.
- Cannard, William H.: *See*—  
Boulware, James E., and Cannard. 2,703,771.
- Cannella, Gaspari H. 2,711,268, Cl. 222—36.
- Canning, Thomas J.,  $\frac{1}{2}$  to G. D. Connealy. 2,703,647, Cl. 209—173.
- Cannon, Curtis W. 2,706,144, Cl. 23—121.
- Cannon, Curtis W. 2,706,145, Cl. 23—121.
- Cannon, Edgar M. 2,701,169, Cl. 305—10.
- Cannon, George E.: *See*—  
Ragland, Douglas, and Cannon. 2,726,063.
- Cannon, George E., to Esso Research and Engineering Co. 2,717,764, Cl. 255—27.
- Cannon, John A.: *See*—  
Wolf, Michael J., Cannon, and MacMasters. 2,709,699.
- Cannon, Joseph A., and H. K. Fletcher, to Bell Aircraft Corp. 2,702,169, Cl. 244—17.11.
- Cannon, Paul H., and W. L. Love, Jr., to Celanese Corp. of America. 2,698,488, Cl. 34—1.
- Cannon, William D., to The Western Union Telegraph Company. 2,715,157, Cl. 178—69.
- Cantacuzene, Carman M.: *See*—  
Cantacuzene, Georges S. and C. M. 2,717,767.  
Cantacuzene, Servan G. and C. M. 2,724,527.
- Cantacuzene, Georges S., and C. M. Cantacuzene, born Skeletti. 2,717,767, Cl. 257—236.
- Cantacuzene, Servan G. and C. M. 2,724,527, Cl. 222—52.
- Cantalupo, Francis J., to Crane Co. 2,716,427, Cl. 138—45.
- Castello, Nicholas, to Treco Co., Inc. 2,722,008, Cl. 2—36.
- Canter, George G. 2,723,149, Cl. 292—323.
- Canto, Modesto, and E. Soriano. 2,708,810, Cl. 46—94.
- Canton Cast Products Co., The: *See*—  
Cole, William T. 2,698,752.
- Cantor, Jacob J. 2,706,101, Cl. 251—4.
- Cantor, Jacob J. 2,710,427, Cl. 18—58.3.
- Cantral, John I.: *See*—  
Silver, Walter H., and Cantral. Re. 24,018.
- Cantrell, Troy L.: *See*—  
Smith, Herschel G., and Cantrell. 2,711,947.  
Smith, Herschel G., Cantrell, and Peters. 2,699,427.
- Cantrell, Troy L., J. G. Peters, and H. G. Smith, to Gulf Oil Corp. 2,721,176, Cl. 252—37.2.
- Cantrell, Troy L., and H. G. Smith, to Gulf Oil Corp. 2,707,172, Cl. 252—51.5.
- Cantrell, Troy L., and H. G. Smith, to Gulf Oil Corp. 2,707,173, Cl. 252—51.5.
- Cantrell, Troy L., and H. G. Smith, to Gulf Oil Corp. 2,707,174, Cl. 252—51.5.
- Cantrell, Troy L., and H. G. Smith, to Gulf Oil Corp. 2,707,175, Cl. 252—51.5.
- Cantwell, Fred C. 2,703,101, Cl. 137—480.
- Capaldi, Gennaro. 2,718,302, Cl. 206—65.
- Caparone, Michael J., H. W. Rice, and C. M. Vaughn, to Robertshaw-Fulton Controls Co. 2,707,078, Cl. 236—21.
- Caparone, Michael J., and T. J. Dykzeul, to Robertshaw-Fulton Controls Co. 2,721,570, Cl. 137—66.
- Cape, Arthur T., to Coast Metals, Inc. 2,708,641, Cl. 117—50.
- Cape, Arthur T., and R. E. Jones, to Superweld Corp. 2,727,834, Cl. 117—131.
- Capehart, Thomas C., and D. B. McShan, to J. R. Bayston, as trustee, Icecrafter (Liquidating) Trust. 2,726,514, Cl. 62—106.
- Capellazzi, Gildo, and H. Stegmaier. 2,713,765, Cl. 59—27.
- Capitaine, Emile G. 2,709,912, Cl. 72—0.5.



- Capps, Count B., deceased; R. Capps, executrix. 2,711,848, Cl. 226—18.  
 Capps, Reba: *See*—  
   Capps, Count B. 2,711,848.  
 Caps, Arthur W., to Photostat Corp. 2,721,078, Cl. 271—8.  
 Caps, Arthur W., and C. L. Webber, to Photostat Corp. 2,705,907, Cl. 95—14.  
 Capsek, Roger, to Bronzavia S. A. 2,702,685, Cl. 251—61.  
 Capstack, Eugene J., and R. E. Davis, to Joseph E. Seagram & Sons, Inc. 2,706,031, Cl. 198—33.  
 Capstaff, John G., to Eastman Kodak Co. 2,708,388, Cl. 88—24.  
 Car Carrier Equipment Co.: *See*—  
   Kunz, Frederick J. 2,701,145.  
 Caracciolo, Angelo J. 2,723,450, Cl. 30—6.1.  
 Caracciolo, Vincent P.: *See*—  
   Conwell, Yeates, Busse, and Caracciolo. 2,698,463.  
 Carando Machine Works: *See*—  
   Calcaterra, Joseph P. 2,720,241.  
 Caraher, William F., to E. I. du Pont de Nemours and Co. 2,706,593, Cl. 229—23.  
 Caraher, William F., to E. I. du Pont de Nemours & Co. 2,708,066, Cl. 229—40.  
 Carani, Attilio D. 2,709,635, Cl. 312—286.  
 Carbaugh, Walter P.: *See*—  
   Brownlee, Herbert N., and Carbaugh. 2,727,776.  
 Carbiener, Harvey: *See*—  
   Stouder, Roy, Carbiener, and Rutter. 2,701,631.  
 Carbodies Ltd.: *See*—  
   Orr, John H. 2,704,226.  
   Orr, John H. 2,707,129.  
   Orr, John H. 2,711,924.  
   Orr, John H. 2,715,545.  
   Orr, John H. 2,719,750.  
   Orr, John H. 2,727,783.  
 Carbonetto, Stefano. 2,705,347, Cl. 19—66.  
 Carboni, Rudolph A., to E. I. du Pont de Nemours and Co. 2,719,861, Cl. 260—465.5.  
 Carbonic Dispenser, Inc.: *See*—  
   Welty, Frank and R. D. 2,702,051.  
 Carboneau, Gordon S. 2,722,991, Cl. 181—31.  
 Carborundum Co., The: *See*—  
   Goepfert, George J., and Spilsbury. 2,709,647.  
   Logan, Iva M., and Swentzel. 2,706,382.  
   McMullen, John C. 2,710,261.  
   McMullen, John C. 2,714,622.  
   Meaders, Robert C. 2,704,603.  
   Monjar, Percival C. 2,713,237.  
   Nicholson, Kenneth C. 2,699,036.  
 Carden, James W. 2,717,933, Cl. 200—61.82.  
 Carder, Earle H. 2,723,171, Cl. 311—4.  
 Carder, Frank B., to American Machine & Foundry Co. 2,727,518, Cl. 131—109.  
 Cardinal, Earl V., to International Minerals & Chemical Corp. 2,706,737, Cl. 260—527.  
 Cardini, Albert S. 2,712,470, Cl. 296—26.  
 Cardox Corp.: *See*—  
   De Bourguignon, Francois E., and Patterson. 2,725,891.  
   Hesson, James C. 2,704,703.  
   Hesson, James C. 2,720,167.  
   Hesson, James C. 2,720,168.  
   Hesson, James C., Smith, and Swanson. 2,720,170.  
   Smith, John L. 2,720,169.  
 Cardwell, Alvin B., to the United States of America as represented by the United States Atomic Energy Commission. 2,715,692, Cl. 313—63.  
 Cardwell, Harland W., to Cardwell Mfg. Co., Inc. 2,710,078, Cl. 188—152.  
 Cardwell Mfg. Co., Inc.: *See*—  
   Cardwell, Harland W. 2,710,078.  
 Cardwell, Paul H., and L. H. Eilers, to The Dow Chemical Co. 2,699,213, Cl. 166—22.  
 Cardwell, Paul H., and A. W. Coulter, Jr., to The Dow Chemical Co. 2,713,033, Cl. 252—8.55.  
 Cardwell Westinghouse Co.: *See*—  
   Campbell, David S. 2,728,465.  
   Tucker, Herbert E. 2,701,063.  
   Tucker, Herbert E. 2,705,569.  
   Tucker, Herbert E. 2,713,425.  
   Tucker, Herbert E. 2,720,319.  
 Caretto, Howard L., to The Reeve Electrical Co., Inc. 2,726,342, Cl. 310—30.  
 Carew, Herman, to Dixie Cup Co. 2,704,444, Cl. 65—61.  
 Carew, Herman, to Dixie Cup Co. 2,708,531, Cl. 221—104.  
 Carey, Colwell, and A. De Feo, to Curtiss-Wright Corp. 2,724,602, Cl. 285—90.  
 Carey, William E., and H. W. Taylor; said Taylor assor. to said Carey. 2,711,604, Cl. 41—1.  
 Carillon, Frank R.: *See*—  
   Rempel, Dietrich G., and Carillon. 2,717,849.  
 Carland, Alton H., to General Mills, Inc. 2,711,779, Cl. 154—42.  
 Carleton, Dana B., and J. E. Pritchard. 2,724,944, Cl. 57—55.  
 Carleton, Richard J., Jr., to Republic Steel Corp. 2,700,692, Cl. 13—16.  
 Carlile, Alfred E., to Talon, Inc. 2,699,588, Cl. 24—205.14.  
 Carlile, John W., to Continental Can Co., Inc. 2,705,103, Cl. 229—62.  
 Carlin, Herbert J., to Polytechnic Institute of Brooklyn. 2,704,348, Cl. 324—95.  
 Carlisle, Denis R.: *See*—  
   Johnson, Francis M., and Carlisle. 2,700,416.  
 Carlisle, Richard W., W. H. Greenbaum, and P. Gundersheim, to Sonotone Corp. 2,699,471, Cl. 179—107.  
 Carlson Products Corp.: *See*—  
   Britton, Philip S., and Stowe. 2,699,261.  
 Carlrow, Jack. 2,722,721, Cl. 20—38.  
 Carlson, Allan W., to Curtis Lighting, Inc. 2,701,840, Cl. 240—78.  
 Carlson, Arthur E. 2,718,254, Cl. 154—1.7.  
 Carlson, Arthur E. 2,719,804, Cl. 154—93.  
 Carlson, Arthur E. 2,722,366, Cl. 229—49.  
 Carlson, Arthur E., and J. Baxter, Jr.; said Baxter, Jr., assor. to said Carlson. 2,699,813, Cl. 154—1.76.  
 Carlson, Arthur O.: *See*—  
   Carlson, George B. and A. O. 2,700,479.  
 Carlson, Arthur W., to A. O. Smith Corp. 2,701,610, Cl. 158—104.  
 Carlson, Axel S. 2,710,491, Cl. 47—41.  
 Carlson, Carl S.: *See*—  
   Doeringer, Russell C., and Carlson. 2,713,075.  
   Morrel, Charles E., Stewart, and Carlson. 2,706,707.  
 Carlson, Charles W. 2,712,716, Cl. 49—65.  
 Carlson, Chester F. 2,701,764, Cl. 95—1.9.  
 Carlson, Clarence O., and H. C. Felgmacher, to United States Steel Corp. 2,704,611, Cl. 214—23.  
 Carlson, David J.: *See*—  
   Horowitz, Leopold A., and Carlson. 2,702,344.  
   Pan, Wen Y., and Carlson. 2,714,192.  
 Carlson, Earl J.: *See*—  
   Folt, Vernon L., and Carlson. 2,723,970.  
 Carlson, Earl J., to The B. F. Goodrich Co. 2,726,230, Cl. 260—86.1.  
 Carlson, Edwin R. 2,702,548, Cl. 128—235.  
 Carlson, Elmer A., to Essex Wire Corp. 2,723,082, Cl. 236—38.  
 Carlson, Frank A., Jr.: *See*—  
   Platzer, Norbert J., and Carlson. 2,710,426.  
 Carlson, Frederick L. 2,703,067, Cl. 119—14.01.  
 Carlson, Fritz O. 2,707,891, Cl. 81—15.8.  
 Carlson, George B. and A. O. 2,700,479, Cl. 214—2.  
 Carlson, Gilbert F., and H. A. Lockhart, to Bell & Gossett Co. 2,701,581, Cl. 137—533.27.  
 Carlson, Glen A. 2,722,786, Cl. 51—141.  
 Carlson, Gunnar V., to Wisco, Inc. 2,703,635, Cl. 189—36.  
 Carlson, Gustav F. 2,723,741, Cl. 197—161.  
 Carlson, Harold A.: *See*—  
   Moseley, James T. W., and Carlson. 2,711,885.  
   Moseley, James T. W., and Carlson. 2,715,523.  
 Carlson, Harold A., to Carter Carburetor Corp. 2,702,536, Cl. 123—119.  
 Carlson, Harold A., and J. T. W. Moseley, to Carter Carburetor Corp. 2,715,522, Cl. 261—39.  
 Carlson, Harold A., and O. J. Eickmann, to Carter Carburetor Corp. 2,718,387, Cl. 261—23.  
 Carlson, Henry L. 2,706,841, Cl. 25—124.  
 Carlson, John I., to Carlson Tool & Machine Co. 2,709,625, Cl. 300—7.  
 Carlson, John W.: *See*—  
   Dobeus, Vander M., and Carlson. 2,722,320.  
 Carlson, Le Roy B. 2,723,518, Cl. 56—25.4.  
 Carlson, Lewis B., to S. A. Woods Machine Co. 2,725,084, Cl. 144—116.  
 Carlson, Martin, to G. W. Houlisby, Jr. 2,700,175, Cl. 16—185.  
 Carlson, Marvin C.: *See*—  
   Popp, Rudolf, and Carlson. 2,722,448.  
 Carlson, Melvin G., to Goodman Mfg. Co. 2,700,873, Cl. 60—53.  
 Carlson, Morris W., to General Electric Co. 2,726,299, Cl. 200—138.  
 Carlson, Noble G., to Erico Products, Inc. 2,710,434, Cl. 22—116.  
 Carlson, Oscar E. 2,715,708, Cl. 318—331.  
 Carlson, Raymond L., and H. Potonides, to Westinghouse Electric Corp. 2,705,595, Cl. 236—13.  
 Carlson, Reuben C., to Admiral Corp. 2,718,401, Cl. 274—10.  
 Carlson, Richard G. 2,715,241, Cl. 16—65.  
 Carlson, Robert C., to Emery Carpenter Container Co. 2,714,469, Cl. 220—55.  
 Carlson, Rudolph E. 2,708,991, Cl. 192—48.  
 Carlson Tool & Machine Co.: *See*—  
   Carlson, John I. 2,709,625.  
 Carlson, Virginia W. and W. W., to Enzymatic Chemicals, Inc. 2,709,150, Cl. 195—31.  
 Carlson, Virginia W. and W. W., to The Commonwealth Engineering Co. of Ohio. 2,716,084, Cl. 195—66.  
 Carlson, Warner W.: *See*—  
   Carlson, Virginia W. and W. W. 2,709,150.  
   Carlson, Virginia W. and W. W. 2,716,084.  
   Whiteside-Carlson, Virginia, and Carlson. 2,716,237.  
 Carlson, Wendell L., to Radio Corp. of America. 2,706,775, Cl. 250—20.  
 Carlsson, Arent G., to Aktiebolaget Bofors. 2,724,997, Cl. 89—33.  
 Carlston, Earl F., and F. G. Lum, to California Research Corp. 2,715,620, Cl. 260—78.  
 Carlstrand, Ralph H., C. M. Howard, and W. H. Gayman, to Northrop Aircraft, Inc. 2,711,648, Cl. 73—147.  
 Carlton, C. S.: *See*—  
   Thornton, Phillip H., Jr., and P. H. Thornton, III. 2,706,882.  
 Carlyle, Donald E.: *See*—  
   Jackson, Theodore F. 2,719,450.  
 Carmack, George L., to Bluffton Slat Cutter Co. 2,714,908, Cl. 146—171.



- Carmack, James H.: *See*—  
 Ross, James H., and Carmack. 2,720,343.
- Carman, Glenn B., to The De Vilbiss Co. 2,699,018, Cl. 51—105.
- Carmichael, Gershom N. 2,703,840, Cl. 250—33.53.
- Carmichael, Hugh, and P. G. Salmon, to National Research Council. Re. 23,997, Cl. 250—83.3.
- Carmichael, Robert D., to Southern States Equipment Corp. 2,719,338, Cl. 19—159.
- Carmichael, William E. 2,713,449, Cl. 226—18.
- Carnahan, James E.: *See*—  
 Arnold, Herrick R., and Carnahan. 2,702,232.
- Carnahan, James E., and J. W. Hill, to E. I. du Pont de Nemours and Co. 2,700,679, Cl. 260—544.
- Carnation Co.: *See*—  
 Lushbough, Channing H., and Miller. 2,726,959.
- Carnegie Institute of Technology: *See*—  
 Derge, Gerhard, and Goldman. 2,706,152.
- Carnegie Institution of Washington: *See*—  
 Myers, Jack E. 2,725,677.
- Carnes, Joseph J., and R. K. Madison, to American Cyanamid Co. 2,698,856, Cl. 260—400.
- Carney, Charles S., and E. H. Fritze, to Collins Radio Co. 2,706,080, Cl. 235—61.
- Carney, Fletcher B. 2,698,565, Cl. 97—56.
- Carney, James J., to The United Tool & Die Co. 2,701,415, Cl. 30—230.
- Carney, Samuel C., to Phillips Petroleum Co. 2,703,494, Cl. 73—30.
- Carolina Container Co.: *See*—  
 Mitchell, Seldon G., and McDonald. 2,713,961.
- Caron, Conrad J.: *See*—  
 Zane, Edward E., and Caron. 2,713,783.
- Carothers, Benjamin F. 2,714,923, Cl. 155—131.
- Carp, Arthur. 2,716,807, Cl. 30—15.5.
- Carpenter, Clayton A., to Union Oil Co. of California. 2,728,396, Cl. 166—60.
- Carpenter, Clayton A., to Union Oil Company of California. 2,714,930, Cl. 166—60.
- Carpenter, Frank G. 2,728,181, Cl. 56—25.
- Carpenter, Fred A., to Berkeley Pump Co. 2,708,881, Cl. 103—6.
- Carpenter, Gilbert E.: *See*—  
 Arkoosh, Fred G., and Carpenter. 2,713,995.
- Carpenter, Harold G. 2,727,981, Cl. 240—10.6.
- Carpenter, Henry G., to Elliott Brothers (London) Ltd. 2,718,599, Cl. 307—107.
- Carpenter, Herbert L., Jr., to The Greif Bros. Cooperage Corp. 2,718,995, Cl. 229—5.7.
- Carpenter, Irvin M. 2,708,002, Cl. 180—1.
- Carpenter, Joseph E., to American Cyanamid Co. 2,703,795, Cl. 260—97.5.
- Carpenter, Joseph E., to American Cyanamid Co. 2,708,666, Cl. 260—97.5.
- Carpenter, Joseph E., to American Cyanamid Co. 2,710,856, Cl. 260—97.5.
- Carpenter, Marshall M., Jr., to Radio Corp. of America. 2,728,022, Cl. 315—13.
- Carpenter, Marshall M., Jr., to Radio Corp. of America. 2,728,028, Cl. 315—27.
- Carpenter, Otis R.: *See*—  
 Schoessow, Glen J., Carpenter, and Qvarfordt. 2,705,574.
- Carpenter, Ralph H., and S. V. Palladino. 2,717,376, Cl. 340—382.
- Carpenter, Thomas J.: *See*—  
 Crouch, Donald W., Snell, and Carpenter. 2,728,016.
- Carpenter, Wilbur D. 2,715,790, Cl. 43—42.09.
- Carpentier, Jacques, to Societe d'Etudes et de Recherches Industrielles et Chimiques (S. E. R. I. C.). 2,717,768, Cl. 259—1.
- Carpentier, Melbourne L.: *See*—  
 Drinkard, William E., and Carpentier. 2,722,203.
- Carpet Trades Ltd.: *See*—  
 Davies, Rowland. 2,704,091.
- Carpinella, Michael J., to Scovill Mfg. Co. 2,724,161, Cl. 24—216.
- Carr, Adams & Collier Co.: *See*—  
 Adams, Paul L., Norman, and Sitterly. 2,716,447.
- Adams, Paul L., and Taylor. 2,727,284.
- Glab, William T. 2,706,160.
- Glab, William T. 2,708,637.
- Carr, Charles J. 2,708,144, Cl. 309—17.
- Carr, Edward L., to The Firestone Tire & Rubber Co. 2,700,659, Cl. 260—79.5.
- Carr, Edward W.: *See*—  
 Hansen, George E., and Carr. 2,725,076.
- Carr, Elwin L.: *See*—  
 Gould, Charles L., and Carr. 2,716,557.
- Carr, George W., and R. B. Lawrance, to National Research Corp. 2,714,484, Cl. 230—101.
- Carr, Guy C. 2,715,970, Cl. 214—16.1.
- Carr, James D., to The Fabricone Adjustable Folding Doors Co. 2,725,934, Cl. 160—84.
- Carr, James P., to Food Machinery and Chemical Corp. 2,700,319, Cl. 88—14.
- Carr, James P., to Food Machinery and Chemical Corp. 2,701,940, Cl. 55—118.
- Carr, John C., to Westinghouse Electric Corp. 2,714,287, Cl. 60—39.32.
- Carr, Keller Y. 2,715,381, Cl. 116—102.
- Carr, Robert S.: *See*—  
 Bieber, Charles E., and Carr. 2,709,725.
- Bieber, Charles E., and Carr. 2,714,699.
- Carr, Roman R. 2,710,694, Cl. 211—76.
- Carr, Roy E.: *See*—  
 Harris, Richard A., and Carr. 2,720,003.
- Carr, Stanly. 2,723,063, Cl. 223—91.
- Carr, William F., to Lear, Inc. 2,711,450, Cl. 200—18.
- Carr, William F., to Lear, Inc. 2,722,396, Cl. 251—81.
- Carrara, Gino, and V. D'Amato, to Lepetit S. p. A. 2,710,866, Cl. 260—251.5.
- Carraway, Floyd Z. 2,699,559, Cl. 9—1.
- Carraway, Thomas W. 2,702,695, Cl. 261—27.
- Carrell, John R., to General Electric Co. 2,704,927, Cl. 62—99.
- Carrick, Gerald S.: *See*—  
 McBride, James P. 2,723,173.
- Carrick, Gerald S. 2,701,854, Cl. 318—31.
- Carrick, Gerald S. 2,715,704, Cl. 318—31.
- Carrick, Leo L., and J. M. Stapleton, to The Regents of the University of Michigan. 2,713,079, Cl. 136—39.
- Carrier, Alfred. 2,715,271, Cl. 30—293.
- Carrier Conveyor Corp.: *See*—  
 Carrier, Robert M., Jr. 2,706,112.
- Carrier, Robert M., Jr., and Whitley. 2,700,472.
- Carrier, Robert M., Jr., and Whitley. 2,705,070.
- Carrier Corp.: *See*—  
 Ashley, Carlyle M. 2,703,964.
- Ashley, Carlyle M. 2,710,507.
- Ayling, Robert W. 2,710,509.
- Berestneff, Alexis A. 2,703,968.
- Hanson, Lars. 2,725,183.
- Leonard, Louis H., Jr. 2,722,805.
- Leonard, Louis H., Jr. 2,722,806.
- Osborne, Samuel C. 2,709,522.
- Shawhan, Sam F. 2,703,965.
- Stevens, Frank D. 2,704,971.
- Swinburne, James. 2,724,245.
- Carrier, Howard P., Jr. 2,718,370, Cl. 248—41.
- Carrier, John A., to Sanitary Products Corp. 2,706,986, Cl. 128—285.
- Carrier, John A., to Sanitary Products Corp. 2,715,374, Cl. 112—2.
- Carrier, Robert M., Jr., to Carrier Conveyor Corp. 2,706,112, Cl. 267—1.
- Carrier, Robert M., Jr., and M. G. Whitley, to Carrier Conveyor Corp. 2,700,472, Cl. 209—320.
- Carrier, Robert M., Jr., and M. G. Whitley, to Carrier Conveyor Corp. 2,705,070, Cl. 198—220.
- Carrigan, Tracy, to Food Machinery and Chemical Corp. 2,706,427, Cl. 88—14.
- Carroll, Burt H.: *See*—  
 Allen, Charles F. H., and Carroll. 2,725,294.
- Allen, Charles F. H., and Carroll. 2,725,295.
- Yutzy, Henry C., and Carroll. 2,713,305.
- Carroll, Burt H., to Eastman Kodak Co. 2,703,282, Cl. 95—7.
- Carroll, Burt H., to Eastman Kodak Co. 2,728,666, Cl. 95—7.
- Carroll, Burt H., and J. E. Jones, to Eastman Kodak Co. 2,701,198, Cl. 95—7.
- Carroll, Burt H., and J. E. Jones, to Eastman Kodak Co. 2,704,714, Cl. 95—7.
- Carroll, Burt H., and J. E. Jones, to Eastman Kodak Co. 2,704,715, Cl. 95—7.
- Carroll, Burt H., and N. F. Beach, to Eastman Kodak Co. 2,708,162, Cl. 95—7.
- Carroll, Burt H., and N. F. Beach, to Eastman Kodak Co. 2,716,062, Cl. 95—7.
- Carroll, Burt H., and T. F. Murray, to Eastman Kodak Co. 2,728,664, Cl. 95—7.
- Carroll, Charles E. 2,711,869, Cl. 244—148.
- Carroll, Dennis B. 2,710,189, Cl. 273—1.5.
- Carroll, Ellsworth W., to S & W Fine Foods, Inc. 2,706,030, Cl. 198—33.
- Carroll, Frank E., Jr., to United Aircraft Products, Inc. 2,703,699, Cl. 257—201.
- Carroll, Fred H. 2,706,014, Cl. 181—53.
- Carroll, Howard W. 2,713,358, Cl. 139—379.
- Carroll, Jack C. 2,706,951, Cl. 104—279.
- Carroll, John D., to The Stanley Works. 2,711,335, Cl. 292—18.
- Carroll, Morris L. 2,714,875, Cl. 121—50.
- Carroll, Raymond B., to Stone Machinery Co., Inc. 2,707,853, Cl. 51—98.
- Carroll, Thomas: *See*—  
 Ashton, Robert, and Carroll. 2,720,744.
- Ashton, Robert, and Carroll. 2,725,706.
- Carroll, Thomas, to Massey-Harris Co. Ltd. 2,701,634, Cl. 198—211.
- Carroll, William C. 2,712,478, Cl. 308—107.
- Carroll, William C. 2,723,168, Cl. 308—109.
- Carroll, William L. 2,704,411, Cl. 43—17.
- Carruth, Herman A.: *See*—  
 Williamson, Marshall I., and Carruth. 2,717,074.
- Carruthers, Eben H. 2,715,490, Cl. 226—101.
- Carski, Theodore J., to Baltimore Biological Laboratory. 2,706,702, Cl. 195—126.
- Carson, Benjamin R., to Radio Corp. of America. 2,722,225, Cl. 134—58.
- Carson, Ellen H. 2,718,067, Cl. 34—62.
- Carson, Elmer C., to Knudsen Creamery Co. of California. 2,720,941, Cl. 184—5.
- Carson, Henry L., to The Babcock & Wilcox Co. 2,700,895, Cl. 73—67.
- Carson, John F., to the United States of America as represented by the Secretary of Agriculture. 2,715,636, Cl. 260—396.
- Carson, Lawrence E., to American Shower Door Co., Inc. 2,699,827, Cl. 160—229.



- Carson, Stanley R. : *See*—  
 Beare, Charles H., Carson, and Monbeck. 2,707,017.  
 Beare, Charles H., Carson, and Monbeck. 2,722,263.
- Carstens, Otto H. 2,703,214, Cl. 248—201.
- Carstensen, Sue B. 2,721,419, Cl. 46—116.
- Carswell, Frank L. 2,727,733, Cl. 259—154.
- Cart, Ward B., to Allis-Chalmers Mfg. Co. 2,703,736, Cl. 308—140.
- Carte, Cecil H. W., to Martin Walter Ltd. 2,718,256, Cl. 155—7.
- Carter, Allen N. 2,719,602, Cl. 184—3.
- Carter, Andrew G. 2,723,706, Cl. 154—14.
- Carter, Andrew G., and J. A. Caswell. 2,701,971, Cl. 74—230.7.
- Carter, B. & F., & Co. Ltd. : *See*—  
 Carter, Eric. 2,706,857.
- Carter Carburetor Corp. : *See*—  
 Boller, Henry A. 2,703,705.  
 Boyce, Leonard D. 2,715,500.  
 Boyce, Leonard D. 2,715,520.  
 Boyce, Leonard D. 2,726,124.  
 Carlson, Harold A. 2,702,536.  
 Carlson, Harold A., and Eickmann. 2,718,387.  
 Carlson, Harold A., and Moseley. 2,715,522.  
 Edelen, James L. 2,703,249.  
 Gehner, Maurice A. 2,705,135.  
 Henning, Otto. 2,703,229.  
 Henning, Otto. 2,718,386.  
 Henning, Otto. 2,728,563.  
 Moseley, James T. W., and Carlson. 2,711,885.  
 Moseley, James T. W., and Carlson. 2,715,523.  
 Read, Leland B. 2,713,999.  
 Stein, Vincent A. 2,720,782.
- Carter, Charles E., to Gulf Oil Corp. 2,721,136, Cl. 75—108.
- Carter, Charles E., and B. H. Gwynn, to Gulf Research & Development Co. 2,728,792, Cl. 260—604.
- Carter, Charles W., and J. S. Cowhey, to Bigelow-Sanford Carpet Co., Inc. 2,720,006, Cl. 19—160.
- Carter, Charles W., and J. S. Cowhey, to Bigelow-Sanford Carpet Co., Inc. 2,720,007, Cl. 19—160.
- Carter, Clarence F. 2,720,375, Cl. 249—3.
- Carter, Clifford M. : *See*—  
 Barager, Ethel D. Re. 24,043.
- Carter, Don E., to Monsanto Chemical Co. 2,722,540, Cl. 260—465.5.
- Carter, Eric, to B. & F. Carter & Co. Ltd. 2,706,857, Cl. 33—129.
- Carter, Franklyn Y., to Detroit Controls Corp. 2,702,671, Cl. 236—80.
- Carter, Franklyn Y., to Detroit Controls Corp. 2,719,674, Cl. 236—92.
- Carter, Fred G. : *See*—  
 Burst, Francis J., and Carter. 2,722,017.
- Carter, Geoffrey. 2,722,702, Cl. 15—137.
- Carter, George E., Jr., to Bomac Laboratories Inc. 2,724,791, Cl. 315—234.
- Carter, George L., and S. Junta. 2,712,851, Cl. 164—46.
- Carter, George W., to Bendix Aviation Corp. 2,712,599, Cl. 250—20.
- Carter, Harry B., 49% to J. W. Kokernot. 2,706,874, Cl. 51—181.
- Carter, Hazel : *See*—  
 Carter, Raymond. 2,702,977.  
 Carter, Raymond. 2,715,307.
- Carter, Irwin M., to Aluminum Co. of America. 2,723,028, Cl. 207—5.
- Carter, James P., to United Shoe Machinery Corp. 2,722,187, Cl. 112—256.
- Carter, John : *See*—  
 Cochran, Walter M., and Carter. 2,708,634.
- Carter, John E. 2,700,329, Cl. 94—18.
- Carter, John M., to Westinghouse Electric Corp. 2,725,556, Cl. 343—17.1.
- Carter, Joseph S., to Roosevelt Mills, Inc. 2,702,463, Cl. 66—190.
- Carter, Kenneth S., to Lockheed Aircraft Corp. 2,717,745, Cl. 244—111.
- Carter, Mitchell. 2,706,183, Cl. 260—2.5.
- Carter Products, Inc. : *See*—  
 Berger, Frank M., and Ludwig. 2,724,720.
- Carter, Ray L., to Car-Wel Corp. 2,705,093, Cl. 222—333.
- Carter, Raymond, deceased; H. and R. H. Carter, administrators, to Hotchkiss Steel Products Co. 2,702,977, Cl. 56—25.4.
- Carter, Raymond, deceased, by H. and R. H. Carter, administrators, to Hotchkiss Steel Products Co. 2,715,307, Cl. 56—295.
- Carter, Raymond H. : *See*—  
 Carter, Raymond. 2,702,977.  
 Carter, Raymond. 2,715,307.
- Carter, Reginald H. 2,716,182, Cl. 240—10.66.
- Carter, Robert E. 2,707,482, Cl. 137—392.
- Carter, Ronald J., J. S. Gourlay, and J. K. Lovell, to Imperial Chemical Industries Ltd. 2,711,416, Cl. 260—405.5.
- Carter, Roscoe O., Jr., to The Procter & Gamble Co. 2,727,857, Cl. 204—161.
- Carter, Roy E. 2,717,845, Cl. 134—2.
- Carter, Samuel C., to Duoseal Co., Inc. 2,710,017, Cl. 137—246.11.
- Carter, Sidney T., to Geo. J. Meyer Mfg. Co. 2,708,502, Cl. 198—33.
- Carter, Sidney T., to Geo. J. Meyer Mfg. Co. 2,722,332, Cl. 216—54.
- Carter, Sidney T., to Geo. J. Meyer Mfg. Co. 2,723,743, Cl. 198—33.
- Carter, Thomas A., Jr., to Food Machinery and Chemical Corp. 2,724,784, Cl. 310—104.
- Carter, Thomas N., to The Black-Clawson Co. 2,712,852, Cl. 164—70.
- Carter, Thomas N. 2,723,806, Cl. 242—75.
- Carter, Victor M. : *See*—  
 Rayburn, Alden G. 2,719,424.
- Carter, William R. 2,709,500, Cl. 183—77.
- Carthage Hydrocol, Inc. : *See*—  
 Hnilicka, Miloslav P. 2,698,523.
- Cartlidge, Frank, to Goodman Mfg. Co. 2,699,327, Cl. 262—9.
- Cartlidge, Frank, to Goodman Mfg. Co. 2,701,046, Cl. 198—8.
- Cartlidge, Frank, to Goodman Mfg. Co. 2,707,626, Cl. 262—7.
- Cartlidge, Frank, to Goodman Mfg. Co. 2,710,179, Cl. 262—9.
- Cartlidge, Frank, to Goodman Mfg. Co. 2,724,976, Cl. 74—242.8.
- Cartlidge, Frank, and J. Gonski, to Goodman Mfg. Co. 2,715,527, Cl. 262—29.
- Cartlidge, Frank, and W. D. Boone, to Goodman Mfg. Co. 2,722,306, Cl. 198—109.
- Cartlidge, John R., to The Cincinnati Mine Machinery Co. 2,720,392, Cl. 262—33.
- Carton, Jean. 2,717,151, Cl. 265—7.
- Cartoux, Henri G., to Pechiney. 2,716,145, Cl. 13—16.
- Cartter, William G., and J. R. Ewell, to Prat-Daniel Corp. 2,700,970, Cl. 126—91.
- Cartwright, Clifford J., to American Forging & Socket Co. 2,725,092, Cl. 155—14.
- Cartwright, John B., to International Business Machines Corp. 2,703,202, Cl. 235—61.
- Cartwright, Margaret : *See*—  
 Cartwright, Wilfred and M. 2,723,121.
- Cartwright, Victor H. 2,708,528, Cl. 214—655.
- Cartwright, Wilfred and M. 2,723,121, Cl. 272—75.
- Carufel, Louis H., to Marmar Corp. 2,722,778, Cl. 47—14.
- Caruso, Laura A., to M. Wile & Co., Inc. 2,718,011, Cl. 2—236.
- Caruso, Mario. 2,728,624, Cl. 312—262.
- Caruso, Mario. 2,728,837, Cl. 201—67.
- Caruthers, Neal M., to Stanolind Oil and Gas Co. 2,702,298, Cl. 260—450.
- Carver, Fred S., Inc. : *See*—  
 Carver, Fred S. 2,714,849.  
 Carver, Fred S. 2,715,965.
- Carver, Fred S., to Fred S. Carver, Inc. 2,714,849, Cl. 100—113.
- Carver, Fred S., to Fred S. Carver, Inc. 2,715,965, Cl. 210—188.
- Carver, Lawrence M., to C. G. S. Laboratories, Inc. 2,708,219, Cl. 178—66.
- Carver, Lawrence M., to Stelma, Inc. 2,712,038, Cl. 178—69.
- Carver, Lawrence W., and E. H. Christensen. 2,722,954, Cl. 143—43.
- Carver, Richard W. 2,715,756, Cl. 20—1.
- Car-Wel Corp. : *See*—  
 Carter, Ray L. 2,705,093.
- Carwile, Preston B. : *See*—  
 Calosi, Carlo L., and Carwile. 2,704,333.
- Cary, Rex H. J., to National Research Development Corp. 2,701,307, Cl. 250—33.
- Casablancas High Draft Co. Ltd. : *See*—  
 Noguera, Joseph. 2,717,425.  
 Noguera, Joseph. 2,717,426.  
 Noguera, Joseph. 2,724,149.
- Casacci, Severin X. : *See*—  
 Danel, Pierre F., and Casacci. 2,722,612.
- Casali, Anthony P. 2,704,086, Cl. 137—116.
- Casanovas, Michel. 2,717,174, Cl. 299—24.
- Casas, Charles F., to Certified Paper Converting Co. 2,713,750, Cl. 47—26.
- Casati, Giusto, and C. Cazzaniga. 2,713,353, Cl. 139—13.
- Casati, Giusto, and C. Cazzaniga. 2,714,396, Cl. 139—13.
- Casati, Giusto, and C. Cazzaniga. 2,724,413, Cl. 139—16.
- Casati, Giusto, and C. Cazzaniga. 2,725,899, Cl. 139—13.
- Cascade Pump Co. : *See*—  
 Arnold, Albert W. 2,711,136.
- Casciani, Ferri, and E. J. Lang, to Niagara Alkali Co. 2,715,608, Cl. 204—98.
- Casco Products Corp. : *See*—  
 Thibault, Joseph O. 2,701,297.  
 Thibault, Joseph O. 2,703,103.
- Case Co. : *See*—  
 Case, Larue R. 2,716,811.
- Case, Earl B. 2,704,058, Cl. 123—119.
- Case, Ethel : *See*—  
 Case, Rogers. 2,717,274.
- Case, J. I., Co. : *See*—  
 Burton, John W. 2,699,635.  
 Clausen, Leon R. 2,713,762.  
 Crawford, John F. 2,725,769.  
 Crawford, John F. 2,727,298.  
 Fromm, Paul W. 2,725,912.  
 Greeson, Claret E. 2,717,136.  
 Hansen, Charles W. 2,720,424.  
 Hartsock, Robert E., and Henss. 2,710,572.  
 Heth, Sherman C. 2,701,941.  
 Heth, Sherman C. 2,708,821.  
 Heth, Sherman C. 2,709,116.  
 Heth, Sherman C. 2,709,327.  
 Kulhavy, Joseph T. 2,709,993.  
 Magee, Kenneth L., and Irvine. 2,709,086.  
 Meldahl, Waldemar J. 2,718,741.



- Case, J. I., Co.: *See*—Continued.  
 Omon, Gene L., and Hohnl. 2,699,961.  
 Richardson, Martin A., and Morrissey. 2,701,945.  
 Russell, Stanley D. 2,700,865.  
 Russell, Stanley D. 2,703,957.  
 Russell, Stanley D. 2,722,132.  
 Rutter, Alvah E. 2,712,277.  
 Schroepfel, Paul R. 2,709,328.  
 Case, James W. 2,728,228, Cl. 73—337.  
 Case, John M.: *See*—  
 Jewett, Clifford L., and Case. 2,714,066.  
 Case, Larue R., to Case Co. 2,716,811, Cl. 30—47.  
 Case, Rogers, deceased; E. Case, executrix, to Transandean Associates, Inc. 2,717,274, Cl. 174—33.  
 Casella, Secondo L.: *See*—  
 Morey, Sigmund M., and Casella. 2,721,487.  
 Casey, Ben F., and H. R. White. 2,728,602, Cl. 298—18.  
 Casey, Cecilia J. 2,718,405, Cl. 280—35.  
 Casey, Hilton W. 2,728,191, Cl. 60—35.6.  
 Casey, James D., to The General Tire & Rubber Co. 2,704,598, Cl. 206—56.  
 Casey, Martin C.: *See*—  
 Young, John P. 2,726,011.  
 Casey, Patrick. 2,701,906, Cl. 29—106.  
 Casey, Robert F., to Allen B. Du Mont Laboratories, Inc. 2,708,240, Cl. 250—27.  
 Casey, Robert T.: *See*—  
 Hammerly, Herman J., Casey, and Yeamans. 2,701,894.  
 Casey, William J., III: *See*—  
 Tack, Carl E., and Casey. 2,708,491.  
 Cash, A. W., Valve Mfg. Corp.: *See*—  
 Terry, Charles M. 2,719,675.  
 Cashell, John G., to General Electric Company. 2,715,080, Cl. 117—223.  
 Cashen, William E.: *See*—  
 Hathaway, Charles A., and Cashen. 2,703,625.  
 Cashman, John E.: *See*—  
 Barnett, Frederick W., Sumner, and Cashman. 2,727,293.  
 Casler, Roger H.: *See*—  
 Sanford, Roy S., Simpson, and Casler. 2,725,148.  
 Casper, Louis, to Electrotex Corp. 2,714,901, Cl. 139—1.  
 Cassady, Kenneth H. 2,714,934, Cl. 180—19.  
 Cassella Farbwerke Mainkur Aktiengesellschaft: *See*—  
 Ochwat, Paul. 2,727,904.  
 Tröskén, Otto. 2,726,246.  
 Zerweck, Werner, Honold, and Schubert. 2,727,894.  
 Cassells, Clarence W., to Link-Belt Co. 2,713,728, Cl. 34—135.  
 Casselman, Clarence M.: *See*—  
 Brunsting, Ralph, and Casselman. 2,717,723.  
 Casselman, Robert C., to Polaroid Corp. 2,712,336, Cl. 150—52.  
 Cassidy, Fred, to Deere Mfg. Co. 2,699,026, Cl. 56—41.  
 Cassidy, Fred, to Deere Mfg. Co. 2,699,028, Cl. 56—41.  
 Cassidy, Harold G. 2,700,029, Cl. 260—47.  
 Cassidy, Thomas F., Jr., to Automatic Electric Laboratories, Inc. 2,701,044, Cl. 194—1.  
 Cassidy, William M. 2,723,467, Cl. 36—8.3.  
 Cassie, George E.: *See*—  
 Seed, John B., and Cassie. 2,714,832.  
 Cassman, Harry, W. E. Jeynes, and R. S. Webley, to Electric & Musical Industries Ltd. 2,708,788, Cl. 29—428.  
 Castagna, John F. 2,705,299, Cl. 318—325.  
 Castedello, William: *See*—  
 Schwartz, Morris, and Castedello. 2,701,500.  
 Schwartz, Morris, and Castedello. 2,721,929.  
 Castedello, William, and E. K. Kaprelian, to The Kalart Co. Inc. 2,721,602, Cl. 154—42.1.  
 Castel, Jacques H., to Perforating Guns Atlas Corp. 2,703,053, Cl. 102—20.  
 Castellani, Anthony G., to American Institute of Baking. 2,711,976, Cl. 99—150.  
 Castelli, Charles, to Ortho Pharmaceutical Corporation. 2,714,886, Cl. 128—127.  
 Castelli, Joseph L.: *See*—  
 Manheim, Theodore B., and Castelli. 2,716,961.  
 Castelli, Xavier F., to Cri-Dan. 2,709,924, Cl. 74—571.  
 Castello, Anthony M. 2,706,114, Cl. 267—57.  
 Castello, Anthony M. 2,707,064, Cl. 217—60.  
 Castello, Anthony M., and L. E. Tapp, deceased (L. E., L. S., L. W., and L. M. Tapp, sole heirs). 2,710,103, Cl. 214—1.  
 Castendyck, Jesse R. 2,713,929, Cl. 193—10.  
 Castillo, Helen: *See*—  
 Castillo, Julio C., and Phillips. 2,723,939.  
 Castillo, Julio C., deceased (by H. Castillo, administratrix), and A. P. Phillips, to Burroughs Wellcome & Co. (U. S. A.) Inc. 2,723,939, Cl. 167—65.  
 Castleton, Robert J.: *See*—  
 Johnson, William G., and Castleton. 2,717,668.  
 Castner, George P., to Solar Corp. 2,699,682, Cl. 74—70.  
 Castner, George P., to Solar Corp. 2,699,683, Cl. 74—70.  
 Castor, Kenneth M. 2,723,511, Cl. 51—225.  
 Castor, Wilbur W. 2,710,817, Cl. 117—130.  
 Castricone, John A.: *See*—  
 Altorfer, Alpheus W., Jr., and Castricone. 2,709,908.  
 Castronuovo, John. 2,714,861, Cl. 107—21.  
 Caswell, Donald C. 2,721,510, Cl. 99—238.6.  
 Caswell, Edwin G.: *See*—  
 Lindsey, William H., and Caswell. 2,710,068.  
 Slatter, Brain H., Daish, and Caswell. 2,699,219.  
 Caswell, Jay A.: *See*—  
 Carter, Andrew G., and Caswell. 2,701,971.  
 Cataldo, Henry C., to Filtration Engineers Inc. 2,724,507, Cl. 210—199.  
 Cataldo, John B., to John B. Pierce Foundation. 2,700,752, Cl. 339—164.  
 Catawissa Valve & Fittings Co.: *See*—  
 Davis, Craig L. 2,709,566.  
 Caterpillar Tractor Co.: *See*—  
 Dearlove, William E. 2,719,063.  
 Deffenbaugh, John L. 2,699,974.  
 Gardner, John R. 2,717,813.  
 Gardner, John R. 2,722,760.  
 Johnson, Lloyd E. 2,716,396.  
 King, Daniel O., and Lofthouse. 2,719,521.  
 King, Ralph J., and Eymann. 2,716,970.  
 Peterson, Robert A. 2,712,873.  
 Ramsel, Charles A. 2,717,067.  
 Risk, Norman E., and McCarthy. 2,702,603.  
 Rosen, Carl G. A., and Johnson. 2,706,971.  
 Smith, Roger M. 2,722,065.  
 Spencer, T. H. 2,724,394.  
 Zuhn, Arthur A., and Parks. 2,721,072.  
 Cates, Julius, and H. G. Jenkins, to General Electric Co. 2,722,628, Cl. 315—96.  
 Cates, Piner L. 2,720,938, Cl. 183—75.  
 Catford, Adrian L., and T. A. Dunford, to D. Napier & Son Ltd. 2,715,831, Cl. 73—32.  
 Cathcart, Billy W.: *See*—  
 Menton, Jack K., and Cathcart. 2,705,129.  
 Cathcart, John A.: *See*—  
 Reynolds, Delbert D., and Cathcart. 2,725,368.  
 Cathers, Frank R., and G. A. Winterburn. 2,708,321, Cl. 36—8.3.  
 Catlin, Robert T.: *See*—  
 Finlay, Walter L., Catlin, and Hutchinson. 2,700,839.  
 Catlin, Robert T., and P. Hickman, to Remington Arms Co., Inc. 2,700,764, Cl. 1—44.5.  
 Catlin, Willard E., and B. W. Howk, to E. I. du Pont de Nemours & Co. 2,728,751, Cl. 260—80.5.  
 Catry, Jean: *See*—  
 Low, Robert N., and Catry. 2,711,759.  
 Low, Robert N., and Catry. 2,726,684.  
 Catry, Jean, and R. N. Low, to Fairwest (U. K.) Ltd. 2,715,915, Cl. 139—13.  
 Catry, Jean, and R. N. Low, to Fairwest (U. K.) Ltd. 2,725,080, Cl. 139—13.  
 Cattaneo, Alfredo G.: *See*—  
 Talley, Samuel K., Fowkes, and Cattaneo. 2,715,107.  
 Cattell, William G., and J. P. Kane. 2,705,374, Cl. 33—147.  
 Catterall, William E., to Standard Oil Development Co. 2,700,687, Cl. 260—638.  
 Cauley, Stephen P., to Socony-Vacuum Oil Co., Inc. 2,701,784, Cl. 196—32.  
 Causley, Arthur L.: *See*—  
 Haller, John, MacKay, and Causley. 2,698,774.  
 Causse, Jean. 2,702,906, Cl. 2—159.  
 Cavallero, John V. 2,724,201, Cl. 41—1.  
 Cavalier, Joseph. 2,705,945, Cl. 124—1.  
 Cavallieri, Emilio, to S. A. Macchine Industria Dolciaria Carle & Montanari. 2,701,071, Cl. 214—308.  
 Cavallieri, Emilio, to S. A. Macchine Industria Dolciaria Carle & Montanari. 2,701,106, Cl. 241—126.  
 Cavallito, Chester J., to Sterling Drug Inc. 2,701,247, Cl. 260—294.7.  
 Cavallito, Chester J., to Sterling Drug Inc. 2,721,220, Cl. 260—567.6.  
 Cavanaugh, Edward F.: *See*—  
 Loli, August L., and Cavanaugh. 2,703,779.  
 Caverly, Waldo R., to E. I. du Pont de Nemours and Co. 2,720,540, Cl. 260—534.  
 Cavett, Alfred D.: *See*—  
 Gilbert, Henry L., Cavett, and Brennan. 2,702,239.  
 Cavitron Corp.: *See*—  
 Blumstein, Albert. 2,716,849.  
 Cawl, Allen P.: *See*—  
 Lampe, Robert C., Beede, Allen, and Cawl. 2,724,456.  
 Cawl, Allen P., to Electrolux Corp. 2,714,425, Cl. 183—37.  
 Cawley, John D.: *See*—  
 Robeson, Charles D., and Cawley. 2,709,711.  
 Cawley, John D., and C. D. Robeson, to Eastman Kodak Co. 2,709,712, Cl. 260—617.  
 Cayot, Lynn B., to Commonwealth Co. 2,702,539, Cl. 126—110.  
 Cayouette, Robert L.: *See*—  
 Haywood, Vernon M., Cayouette, and Turnage. 2,709,253.  
 Cayton, Kenneth M.: *See*—  
 Thompson, Robert C., and Cayton. 2,722,691.  
 Cayzac, Jacques, to Hartford National Bank and Trust Co., trustee. 2,714,191, Cl. 332—51.  
 Cazzaniga, Carlo: *See*—  
 Casati, Giusto, and Cazzaniga. 2,713,353.  
 Casati, Giusto, and Cazzaniga. 2,714,396.  
 Casati, Giusto, and Cazzaniga. 2,724,413.  
 Casati, Giusto, and Cazzaniga. 2,725,899.  
 Cecil, Tom A.: *See*—  
 Brown, Earl H., and Cecil. 2,699,255.  
 Cedar Rapids Block Co.: *See*—  
 Talbot, Lloyd. 2,722,242.  
 Cederquist, Karl N., to Stora Kopparbergs Bergslags Aktiebolag. 2,704,895, Cl. 34—12.  
 Celanese Corp. of America: *See*—  
 Blundell, Solon A., Jr., and Flewellen. 2,722,507.  
 Bowen, Kenneth D., Keck, and Lee. 2,700,677.  
 Cannon, Paul H., and Love. 2,698,488.  
 Dice, Henry K. 2,716,024.  
 Dickson, John M. 2,724,170.



- Celanese Corp. of America : *See*—Continued.  
 Duke, Marshall, Fortress, and Hohing. 2,727,860.  
 Eckler, Leopold, and Moeller. 2,706,310.  
 Edelman, Abraham, Roughsedge, and Lustig. 2,711,093.  
 Edelman, Abraham, Roughsedge, and Lustig. 2,711,094.  
 Fleckenstein, Charles J. 2,719,419.  
 Horback, William B., and Paist. 2,715,584.  
 Jones, Wilford D. 2,728,739.  
 Lynch, Addison H., and Miller. 2,711,559.  
 MacLean, Alexander F., and Smith. 2,707,165.  
 Miller, Alfred L. 2,717,883.  
 Mitchell, Robert L., and Luke. 2,714,604.  
 Morgan, Chester S., Jr., and Robertson. 2,704,294.  
 Olmer, François J. 2,702,230.  
 Piperoux, Rene P., and Armstrong. 2,717,418.  
 Piperoux, Rene P., and Birmingham. 2,718,362.  
 Plungulan, Mark. 2,709,652.  
 Prossen, Louis F. 2,710,689.  
 Roberts, Samuel B., Roughsedge, Edelman, and Koslow. 2,713,980.  
 Robertson, Nat C. 2,702,741.  
 Robertson, Nat C., and Walker. 2,719,166.  
 Roughsedge, Robert H. 2,705,362.  
 Russell, William S., Jr. 2,699,866.  
 Salvin, Victor S. 2,713,060.  
 Schildknecht, Calvin E., and Wallace. 2,713,573.  
 Schnitzer, Arthur W., and Fisher. 2,714,616.  
 Smithson, John H. 2,704,765.  
 Stanton, Robert E. 2,712,343.  
 Stoll, Reiner G. 2,701,962.  
 Weber, Harold. 2,725,596.  
 Weber, Harold, and Roughsedge. 2,707,306.  
 Celani, Pasquale J., to Socony Mobil Oil Co. 2,723,180, Cl. 23—1.  
 Celillo, Anthony P. 2,715,748, Cl. 17—11.3.  
 Cella, John A., to G. D. Searle & Co. 2,705,712, Cl. 260—239.57.  
 Cellierini, Albert R., to Westinghouse Electric Corp. 2,707,218, Cl. 200—144.  
 Cellucord Corp., The : *See*—  
 Kimball, Benjamin M. 2,725,980.  
 Celluplastic Corp. : *See*—  
 Lynn, Edwin W. 2,709,436.  
 Nichols, Anthony. 2,721,595.  
 Celmer, Walter D., to Chas. Pfizer & Co., Inc. 2,703,328, Cl. 260—405.6.  
 Celotex Corp., The : *See*—  
 Mannheim, Carl P. 2,702,761.  
 Muench, Carl G. 2,728,685.  
 Centmaier, Karl : *See*—  
 Ulrich, Fritz, Centmaier, Eder, Hofmann, and Döring. 2,701,824.  
 Ulrich, Fritz, Lohs, Hofmann, Centmaier, and Eder. 2,724,747.  
 Central Carton Co., The : *See*—  
 Fessenden, Marvin S., and Buening. 2,713,740.  
 Central Commercial Co. : *See*—  
 Gundlach, Henry R., and Grove. 2,700,003.  
 Central Commercial Industries, Inc. : *See*—  
 Koehl, James A. 2,710,556.  
 Larsen, Merwin J. 2,714,145.  
 Mathews, Joseph A., and Wheeler. 2,707,896.  
 Central Fibre Products Co. : *See*—  
 Lambert, Harry E. 2,718,826.  
 Central Industrial Corp. : *See*—  
 Borden, Philip H. 2,708,309.  
 Borden, Philip H. 2,708,310.  
 Borden, Philip H. 2,710,447.  
 Central Mine Equipment Co. : *See*—  
 Huckshold, Elmer J. 2,713,993.  
 Central Scientific Co. : *See*—  
 Nakaji, Edward M., and Sullivan. 2,702,156.  
 Central Soya Co., Inc. : *See*—  
 Kruse, Norman F. 2,710,258.  
 Central Steel & Wire Co. : *See*—  
 Smith, Walter E. 2,727,758.  
 Centrax Power Units Ltd. : *See*—  
 Barr, Richard H. H. 2,715,814.  
 Centre National de la Recherche Scientifique : *See*—  
 Felici, Noel. 2,702,355.  
 Felici, Noël. 2,702,869.  
 Fourestier, Max, Gladu, and Vulmière. 2,699,770.  
 Trombe, Felix. 2,712,772.  
 Centre National de la Recherche Scientifique (C. N. R. S.) : *See*—  
 Trombe, Felix. 2,707,903.  
 Centresco : *See*—  
 Gary, Vern, and Rutherford. 2,728,600.  
 Centric Clutch Co. : *See*—  
 Babaian, Mesrop K. 2,713,406.  
 Centriline Corp. : *See*—  
 Kirwan, Kenneth K., and Perkins. 2,704,873.  
 Century Display Mfg. Co., Inc. : *See*—  
 Evans, Jack. 2,704,699.  
 Century Electric Co. : *See*—  
 Witt, Stanley. 2,716,725.  
 Century Lighting, Inc. : *See*—  
 Lustig, Edgar. 2,720,613.  
 Century Tank Mfg. Co. : *See*—  
 Burwell, Maurel G. 2,700,622.  
 Cen-Vi-Ro Pipe Corp. : *See*—  
 Chanlund, Carl W., and Jessen. 2,722,044.  
 Cepco, Inc. : *See*—  
 Wong, Herbert K. 2,710,335.  
 Wong, Herbert K. 2,728,595.  
 Cepon, Rudolph J., and E. M. Johnson, to Fansteel Metallurgical Corp. 2,716,207, Cl. 317—234.  
 Cepull, John L. 2,712,347, Cl. 155—79.  
 Cerasi, Vincent C. 2,701,738, Cl. 299—130.  
 Cereghetti, Giovanni, to Paillard S. A. 2,717,687, Cl. 197—143.  
 Ceresa, Myron : *See*—  
 Jernstedt, George W., and Ceresa. 2,700,019.  
 Certified Gas Equipment Corp. : *See*—  
 Fry, Clifford W. 2,721,053.  
 Certified Paper Converting Co. : *See*—  
 Casas, Charles F. 2,713,750.  
 Cesareo, Orfeo, to Bell Telephone Laboratories, Inc. 2,728,074, Cl. 340—346.  
 Cessna Aircraft Co., The : *See*—  
 Miller, Wendell E. 2,724,368.  
 Cetnar, Thaddeus S. : *See*—  
 Nelson, Martin J., and Cetnar. 2,718,315.  
 Cetrangelo, Louis : *See*—  
 Braun, Karl J., and Cetrangelo. 2,720,164.  
 Cettel, Louis L., and M. P. Girard. 2,705,006, Cl. 128—136.  
 Chabala, Leonard V., to Westinghouse Electric Corp. 2,727,958, Cl. 200—89.  
 Chabot, Charles A., Jr. : *See*—  
 Herman, William F., and Chabot. 2,728,106.  
 Chaddick, Harry F. 2,699,953, Cl. 280—79.1.  
 Chadeloid Corp. : *See*—  
 Toulmin, Harry A., Jr. 2,723,898.  
 Toulmin, Harry A., Jr. 2,723,899.  
 Chadolon, Inc. : *See*—  
 Leath, William J., and Bobo. 2,711,627.  
 Leath, William J., and Matthews. 2,714,757.  
 Chadwick, George E., G. E. Collins, and W. J. Roff, to The British Cotton Industry Research Assn. 2,725,323, Cl. 154—90.  
 Chadwick, Lee S., and H. E. Brehm, to Perfection Stove Co. 2,711,475, Cl. 240—2.  
 Chaffee, Lester F. : *See*—  
 Bailey, Albert H., and Chaffee. 2,705,852.  
 Chaffey, Reginald H., to Vokes Ltd. 2,705,546, Cl. 183—73.  
 Chaffin, Bert R. 2,706,132, Cl. 296—23.  
 Chaffin, Ralph S. : *See*—  
 Lucas, Guy L., Edwards, and Chaffin. 2,706,392.  
 Chafin, James M. : *See*—  
 Wright, John G., Chafin, Sudan, Watkins, and Hanson. 2,698,681.  
 Chaff, Marc E. 2,710,782, Cl. 312—28.  
 Chaff, Marc E. 2,710,783, Cl. 312—28.  
 Chagnon, Joseph E. 2,724,876, Cl. 20—69.  
 Chain Belt Co. : *See*—  
 Eickstaedt, Edwin A. C. 2,727,600.  
 Harris, Edward L. 2,704,943.  
 Imse, Philip J. 2,717,520.  
 McKillop, Robert W. 2,725,071.  
 Taylor, Frederick W. 2,709,537.  
 Chains, Inc. : *See*—  
 Dmohowski, John. 2,703,170.  
 Chalfant, Glen : *See*—  
 Packer, Howard, and Chalfant. 2,707,195.  
 Challen, Henry D., to Taylor & Challen Ltd. 2,715,845, Cl. 78—36.  
 Challen, John B., to Taylor & Challen Ltd. 2,719,434, Cl. 74—202.  
 Challenner, Ansel P., to Denison Mattress Factory. 2,717,949, Cl. 219—10.49.  
 Chaloner, Sidney D., and D. McNicoll, deceased (E. McNicoll, executrix),  $\frac{1}{3}$  to H. T. Noble. 2,706,201, Cl. 260—412.5.  
 Cham, Edward J. : *See*—  
 Derr, Willard A., and Cham. 2,728,043.  
 Geiselman, Ralph A., and Cham. 2,700,113.  
 Chamberlain, Allan G., to Electric & Musical Industries Ltd. 2,701,280, Cl. 179—100.41.  
 Chamberlain, Glen. 2,714,820, Cl. 74—243.  
 Chamberlain, Henry T. : *See*—  
 Barrett, Edward L. 2,711,519.  
 Barrett, Edward L. 2,711,527.  
 Kolstermann, Curt W. 2,699,534.  
 Chamberlain, Lamar E. 2,720,237, Cl. 152—214.  
 Chamberlain, Norman H., and B. E. King, to T. M. M. (Research) Ltd. 2,724,231, Cl. 57—41.  
 Chamberlain, Norman H., and B. E. King, to T. M. M. (Research) Ltd. 2,725,709, Cl. 57—41.  
 Chamberlin, Charles E. : *See*—  
 Camp, Charles R., and Chamberlin. 2,713,962.  
 Chamberlin, Chester W. 2,720,043, Cl. 37—53.  
 Chamberlin, John M. : *See*—  
 Ballman, Richard L., and Chamberlin. 2,727,878.  
 Chamberlin, Reginald H. D., to D. Napier & Son Ltd. 2,715,834, Cl. 73—136.  
 Chamberlin, Rhodes R. 2,724,985, Cl. 81—9.5.  
 Chamberlin, T. R. : *See*—  
 Douglas, Homer C. 2,723,478.  
 Chambers, Albert M., Jr., and J. J. Patrick, to The Garlock Packing Co. 2,717,790, Cl. 286—11.  
 Chambers, Caswell G., 25% to R. V. Reed. 2,723,428, Cl. 22—1.  
 Chambers, Charles M. : *See*—  
 Meeks, Robert L. 2,699,571.  
 Chambers, Charles M., and R. L. Meeks. 2,699,570, Cl. 17—1.  
 Chambers Corp. : *See*—  
 Chambers, John E. 2,712,818.



- Chambers, John E., to Chambers Corp. 2,712,818, Cl. 126—39.
- Chambers, John M., and T. Sherwen, to Massey-Harris-Ferguson (Sales) Ltd. 2,701,072, Cl. 214—510.
- Chambers, Laura A. 2,713,341, Cl. 128—286.
- Chambers, Russell J., to Electroport Systems, Inc. 2,720,648, Cl. 343—113.
- Chambers, Stanley W. 2,712,689, Cl. 30—4.
- Chambers, Urey B. 2,714,889, Cl. 128—287.
- Chambon, Louis J., to Societe d'Etudes de Machines Speciales. 2,700,544, Cl. 271—2.2.
- Champagnat, Alfred, to The British Petroleum Co. Ltd. 2,710,855, Cl. 260—96.5.
- Champagnat, Alfred, to The British Petroleum Co. Ltd. 2,719,106, Cl. 196—14.12.
- Champayne, Roy J. 2,712,206, Cl. 51—187.
- Champigny, Patrick, to Real Clavette. 2,714,914, Cl. 152—222.
- Champion, Alfred: *See—*
- O'Neill, William J., and Champion. 2,725,628.
- Champion, Frederick A., to The British Aluminum Co. Ltd. 2,726,436, Cl. 29—197.5.
- Champion, James E., to Continental Motors Corp. 2,725,860, Cl. 123—56.
- Champion Motors Co.: *See—*
- Kloss, Dale D. 2,705,065.
- Kloss, Dale D. 2,728,320.
- Champion Paper & Fibre Co., The: *See—*
- Herrman, Bernard W. 2,728,223.
- Champion Spark Plug Co.: *See—*
- Christie, Robert K., and Eaton. 2,716,267.
- Champion, William J. 2,720,362, Cl. 235—123.
- Champlain Co., Inc.: *See—*
- Auerbacher, George N. 2,721,709.
- Chan, Harry K.: *See—*
- Gevantman, Lewis H., Chan, and Shirasawa. 2,703,488.
- Chance, A. B., Co.: *See—*
- Altherr, Walter M. 2,701,325.
- Hollander, William L. 2,707,220.
- Turner, John L. 2,727,105.
- Chance, Britton, and E. F. MacNichol, Jr., to the United States of America as represented by the Secretary of the Navy. 2,699,546, Cl. 343—13.
- Chance, Britton, and A. B. Jacobsen, to the United States of America as represented by the Secretary of War. 2,709,804, Cl. 343—7.4.
- Chance Brothers Ltd.: *See—*
- Hallett, Louis B. H. 2,702,043.
- Chance Vought Aircraft, Inc.: *See—*
- Delaney, Everett W., Jr. 2,702,676.
- Hoadley, Henry H. 2,721,715.
- Roth, Morris E. 2,709,054.
- Smith, Charles B., and Goldsmith. 2,708,556.
- Chandler, Albert E. 2,715,773, Cl. 32—60.
- Chandler, Austin S., to International Paper Box Machine Co. 2,723,603, Cl. 93—52.
- Chandler, Charles H., to Radio Corp. of America. 2,704,327, Cl. 250—33.63.
- Chandler, Darwin C., to Scott-Atwater Mfg. Co. Inc. 2,709,994, Cl. 123—185.
- Chandler, Edmond A.: *See—*
- Morris, Thomas C., and Chandler. 2,700,625.
- Chandler, Edward F., to P. Fries, Jr. 2,710,115, Cl. 222—61.
- Chandler, Edward F., 1/2 to P. Fries, Jr. 2,713,253, Cl. 62—114.
- Chandler, Estal D. 2,709,610, Cl. 292—1.
- Chandler, James D., and R. B. Pierce, to United Shoe Machinery Corp. 2,727,257, Cl. 12—1.
- Chandler, Louis W.: *See—*
- Sale, William H. 2,724,464.
- Chandler, Milton E., to Niles-Bement-Pond Co. 2,706,520, Cl. 158—36.3.
- Chandler, Milton E., to Niles-Bement-Pond Co. 2,713,244, Cl. 60—39.28.
- Chandler, Milton E., and T. H. Holmes, to Niles-Bement-Pond Co. 2,700,275, Cl. 60—35.6.
- Chandler, Milton E., and A. M. Wright, to Niles-Bement-Pond Co. 2,720,752, Cl. 60—39.28.
- Chandler, Milton H. 2,705,492, Cl. 128—136.
- Chandler, Murray L. C. 2,706,632, Cl. 272—80.
- Chandler & Price Co., The: *See—*
- Root, Charles F. 2,711,692.
- Chaney, Albert L.: *See—*
- Hall, Stanley R. 2,722,998.
- Chaney, Albert L., and K. D. Johnson; said Johnson assor. to said Chaney. 2,707,152, Cl. 99—54.
- Chaney, Albert L., Chemical Laboratory: *See—*
- Hall, Stanley R. 2,722,998.
- Chaney, Benjamin H. 2,702,755, Cl. 106—213.
- Chaney, David W., to The Chemstrand Corp. 2,723,254, Cl. 260—79.3.
- Chaney, John W., to Interstate Engineering Corp. 2,721,106, Cl. 311—39.
- Chang, Henry K. 2,726,571, Cl. 88—24.
- Chang, Kern K. N., to Radio Corp. of America. 2,704,828, Cl. 332—5.
- Chang, Kern K. N., and J. S. Donal, Jr., to Radio Corp. of America. 2,710,923, Cl. 250—36.
- Chang, Sheldon S. L., to Robbins & Myers, Inc. 2,720,130, Cl. 82—19.
- Chankalian, Robert H., and W. M. Pollock, to American Type Founders, Inc. 2,722,131, Cl. 74—230.17.
- Chanlund, Carl W., to Utah-Idaho Concrete Pipe Co. 2,701,403, Cl. 25—30.
- Chanlund, Carl W., and G. R. Jessen, to Cen-Vi-Ro Pipe Corp. 2,722,044, Cl. 25—30.
- Channell, William H. 2,709,844, Cl. 24—129.
- Chanrion, Julien, and J. Mottais, to Societe Nationale de Constructions Aeronautiques du Sud-Ouest (Societe Anonyme). 2,725,895, Cl. 137—505.14.
- Chao, Tsai H.: *See—*
- Lecher, Hans Z., Chao, and Whitehouse. 2,717,906.
- Chao, Tsai H., to American Cyanamid Co. 2,705,670, Cl. 23—154.
- Chapel, Milton F. 2,702,829, Cl. 136—80.
- Chapin, Gerald K. 2,707,477, Cl. 135—49.
- Chapin, Glen. 2,701,699, Cl. 248—44.
- Chaplick, Adolph M.: *See—*
- Morris, Thomas C., and Chaplick. 2,723,934.
- Chaplik, Rubin. 2,706,444, Cl. 99—282.
- Chapman, Arthur B., to Morgan Co. of Wisconsin. 2,709,582, Cl. 268—23.
- Chapman, Christopher L. C., to Yardney International Corp. 2,719,874, Cl. 136—147.
- Chapman, Clyde A. 2,718,419, Cl. 287—100.
- Chapman, David, and R. G. Reineman, to The Brunswick-Balke-Collender Co. 2,709,119, Cl. 311—1.
- Chapman, David, and R. G. Reineman, to The Brunswick-Balke-Collender Co. 2,722,965, Cl. 155—3.
- Chapman, Edward C., to Combustion Engineering Inc. 2,719,210, Cl. 219—10.
- Chapman, Edward C., to Combustion Engineering, Inc. 2,721,379, Cl. 29—479.
- Chapman, James E.: *See—*
- Breaux, Darlton K., Chapman, and Drexel. 2,706,255.
- Chapman, Joseph E. G.: *See—*
- Dixon, Henry J., Chapman, and Harwood. 2,717,301.
- Chapman, Kenneth L., to Western Electric Co., Inc. 2,719,917, Cl. 250—27.
- Chapman, Robert R., to Minneapolis-Honeywell Regulator Co. 2,701,866, Cl. 339—75.
- Chapman, Thomas M., 1/2 to B. Swindall. 2,707,832, Cl. 33—97.
- Chapman Valve Mfg. Co., The: *See—*
- Malcolm, Vincent T. 2,711,467.
- Nickerson, Elmer K. 2,711,188.
- Chapman, Walter R.: *See—*
- Noon, T. Cyril, and Chapman. 2,707,866.
- Noon, T. Cyril, and Chapman. 2,718,903.
- Chapman, William C., 60% to Fiberstone, Inc. 2,717,537, Cl. 92—39.
- Chappell, Ralph R. 2,717,192, Cl. 346—139.
- Chappell, Ralph R., and K. E. Whitney. 2,708,745, Cl. 340—203.
- Charak Furniture Co.: *See—*
- Ranney, Francis G. 2,699,975.
- Ranney, Francis G. 2,699,976.
- Charbonneau, Allan P., to Cutler-Hammer, Inc. 2,703,481, Cl. 62—4.
- Charbonneau, Allan P., to Cutler-Hammer, Inc. 2,703,834, Cl. 201—67.
- Charbonneau, Allan P., to Cutler-Hammer, Inc. 2,724,085, Cl. 322—29.
- Charbonneau, Allan P., and F. J. Russell, to Cutler-Hammer, Inc. 2,720,693, Cl. 29—155.56.
- Char-Gale Mfg. Co.: *See—*
- Dovolis, Nick J. 2,705,912.
- Dovolis, Nick J. 2,719,476.
- Charland, Emile J. 2,712,893, Cl. 226—92.
- Charles, Frank R., to Canadian International Paper Co. 2,719,464, Cl. 92—39.
- Charles, Frank R., and J. A. Dixon, to Canadian International Paper Co. 2,710,861, Cl. 260—212.
- Charles, Geoffrey R. S., to Joseph M. Meyer Bros. 2,714,269, Cl. 41—10.
- Charles, William G., 25% to E. F. Autunovich and 10% to J. J. Rumzis. 2,710,926, Cl. 290—37.
- Charleston, Donald. 2,718,587, Cl. 240—11.4.
- Charleston National Bank: *See—*
- Gravely, Benjamin F., and C. B. 2,712,301.
- Charlet, Elphege M., and K. P. Lanneau, to Esso Research and Engineering Co. 2,717,864, Cl. 196—50.
- Charley, Walter G., to Allis-Chalmers Mfg. Co. 2,707,425, Cl. 97—47.89.
- Charlton, Edward J., to Lukens Steel Co. 2,709,047, Cl. 241—197.
- Charlton, Edward J., and L. Pompa. 2,724,518, Cl. 214—145.
- Charney, Jesse, to Merck & Co., Inc. 2,727,665, Cl. 226—19.
- Charnin, Hyman, to Merchandise Presentation, Inc. 2,706,829, Cl. 16—191.
- Charpiat Corp., The: *See—*
- Charpiat, Edward B. 2,707,911.
- Charpiat, Edward B., to The Charpiat Corp. 2,707,911, Cl. 99—275.
- Chartier, Eldrick D., to R. O. Hansen. 2,710,466, Cl. 37—90.
- Chasar, Anthony R., to The Oster Mfg. Co. 2,705,642, Cl. 279—51.
- Chase, Basil H., and J. Walker, to National Research Development Corp. 2,723,282, Cl. 260—465.
- Chase, Eugene F. 2,710,242, Cl. 312—329.
- Chase, Eugene F. 2,713,862, Cl. 126—215.
- Chase Industrial Refrigerator Equipment and Engineering Co.: *See—*
- Fritz, Rudolph A. 2,701,896.
- Chase, Jocelyn L. H., to Chase Protected Cultivation Ltd. 2,716,574, Cl. 299—106.



- Chase National Bank of the City of New York, The: *See—*  
 Gilbert, Charles E. 2,699,574.  
 Gilbert, Charles E. 2,700,206.  
 Gilbert, Charles E. 2,723,327.  
 Gilbert, Charles E., M. D. 2,721,985.
- Chase, P. C. & C. K., Ltd.: *See—*  
 Chase, Philip C., and Hards. 2,699,911.
- Chase, Philip C., and E. W. Hards; said Hards assor. to  
 P. C. & C. K. Chase Ltd. 2,699,911, Cl. 248—120.
- Chase Protected Cultivation Ltd.: *See—*  
 Chase, Jocelyn L. H. 2,716,574.
- Chase-Shawmut Co., The: *See—*  
 Kozacka, Frederick J. 2,703,352.  
 Swain, Kenneth W. 2,713,098.
- Chatelain, John B., to Freeport Sulphur Co. 2,706,675, Cl.  
 23—151.
- Chater, John A. 2,720,337, Cl. 221—111.
- Chatfield, Henry B. 2,709,848, Cl. 29—526.
- Chatfield, Henry B. 2,713,348, Cl. 137—83.
- Chatham Electronics Corp.: *See—*  
 Shamos, Morris H. 2,700,108.  
 Shamos, Morris H. 2,700,110.
- Chatham, Woodrow W.: *See—*  
 Holman, Helvie H., and Chatham. 2,713,763.
- Chattanooga Medicine Co., The: *See—*  
 Holbert, James M., and Grote. 2,711,409.  
 Holbert, James M., and Grote. 2,711,410.  
 Holbert, James M., and Grote. 2,711,411.
- Chattanooga Welding & Machine Co., Inc.: *See—*  
 Holt, Marcus L., and Wright. 2,723,012.
- Chatten, Clarence K.: *See—*  
 Eller, Saul A., Chatten, and Gondek. 2,708,432.
- Chatten, Meredith W., to Franks Dredging Co. 2,717,800,  
 Cl. 294—66.
- Chatten, Victor H. 2,721,420, Cl. 46—175.
- Chaudé, Bernard J. A. 2,703,076, Cl. 123—90.
- Chaves, John. 2,713,187, Cl. 24—104.
- Chawner, Rupert W. 2,705,419, Cl. 73—40.5.
- Chaya, John S., to American Viscose Corp. 2,712,328, Cl.  
 139—191.
- Chaya, John S., and J. Eaton, to American Viscose Corp.  
 2,723,561, Cl. 73—144.
- Chayes Dental Instrument Co.: *See—*  
 Blair, James H. 2,705,838.  
 Blair, James H. 2,707,402.
- Chayne, Charles A., and J. Dolza, to General Motors Corp.  
 2,718,219, Cl. 123—90.
- Cheairs, Alpha G. 2,721,619, Cl. 181—53.
- Cheatham Electric Switching Device Co., Inc.: *See—*  
 Brown, Everett C. 2,700,760.
- Chechak, Jonas J., and S. S. Fierke, to Eastman Kodak Co.  
 2,698,796, Cl. 95—2.
- Check, Mathias M.: *See—*  
 Golden, Abraham H., and Check. 2,720,103.
- Check, Mathias M., to The Yale & Towne Mfg. Co. 2,725,739,  
 Cl. 70—285.
- Check, Paul A.: *See—*  
 Crowley, George C., Holmes, and Check. 2,704,803.
- Checker Cab Mfg. Corp.: *See—*  
 Markin, Morris. 2,725,921.
- Checkik, Maurice M. 2,698,998, Cl. 32—67.
- Chedister, Conkling, H. N. Durham, and G. B. Finnegan, Jr.  
 2,715,783, Cl. 35—11.
- Cheek, Robert C., to Westinghouse Electric Corp. 2,727,141,  
 Cl. 250—27.
- Cheesebrew, Arthur J. 2,718,087, Cl. 43—43.15.
- Cheetham, Reginald J.: *See—*  
 Mather, Edward L., and Cheetham. 2,717,357.
- Chef-Way, Inc.: *See—*  
 Ahlstrom, Edward F. 2,698,702.  
 Ahlstrom, Edward F. 2,725,160.
- Chelf, Clarence C. 2,714,830, Cl. 82—37.
- Chelgren, Arvid E., J. F. Bell, and J. F. White, Jr., to Zenith  
 Radio Corp. 2,700,729, Cl. 250—16.
- Chelgren, Arvid E., J. F. Bell, and L. E. Matthews, to Zenith  
 Radio Corp. 2,726,334, Cl. 250—40.
- Chelminski, Roman: *See—*  
 Knowles, Chester L., and Chelminski. 2,710,247.
- Chelsea Products, Inc.: *See—*  
 Hansel, Leslie R. 2,728,541.
- Cheltz, Robert K. 2,721,914, Cl. 200—105.
- Chemical Construction Corp.: *See—*  
 Cook, Lucien H. 2,701,262.  
 McCarthy, Lawrence J. 2,712,303.  
 McGauley, Patrick J. 2,721,796.  
 McGauley, Patrick J., and Zelenetz. 2,721,795.  
 Mullen, James W., II, and Fennel. 2,722,553.  
 Roy, Tuhin K. 2,722,480.  
 Roy, Tuhin K., and Schaufelberger. 2,726,953.  
 Schaufelberger, Felix A. 2,711,956.  
 Schaufelberger, Felix A. 2,711,957.  
 Schaufelberger, Felix A., and Dasher. 2,711,958.  
 Schaufelberger, Felix A., and Roy. 2,720,457.  
 Van Hare, George F., Jr., and McCormick. 2,728,636.
- Chemical Elaborations, Inc.: *See—*  
 Cole, Robert M. 2,706,739.  
 Cole, Robert M. 2,717,262.
- Chemical Foundation, Inc., The: *See—*  
 Miller, Ralph. 2,714,550.  
 Miller, Ralph. 2,726,140.  
 Miller, Ralph. 2,728,634.  
 Miller, Ralph. 2,728,635.
- Chemical Specialties Co., Inc.: *See—*  
 Rubin, Martin. 2,705,719.
- Chemo Puro Mfg. Corp.: *See—*  
 Kreysa, Frank J., and Hereld. 2,716,659.
- Chempatents, Inc.: *See—*  
 Cunningham, George L. 2,726,138.
- Chemstrand Corp., The: *See—*  
 Andersen, John W. 2,713,793.  
 Chaney, David W. 2,723,254.  
 Craig, Alfred B. 2,726,132.  
 Craig, Alfred B., and Ham. 2,716,640.  
 Craig, Alfred B., and Ham. 2,719,834.  
 Gibson, Eugene C., and Holt. 2,722,983.  
 Gibson, Eugene C., and Hoxie. 2,708,843.  
 Ham, George E. 2,701,244.  
 Ham, George E. 2,710,847.  
 Lawson, Julian K., Jr. 2,710,870.  
 Sublett, Robert L. 2,719,835.
- Chen, Gilmore: *See—*  
 Little, Lawrence L., and Chen. 2,727,007.
- Chen, Tung C., to Burroughs Corp. 2,705,766, Cl. 317—11.
- Chenault, Roy L., to United States Steel Corp. 2,720,839,  
 Cl. 103—46.
- Cheney, Charles W. 2,717,795, Cl. 292—175.
- Cheney, Charles W. 2,718,045, Cl. 24—274.
- Cheney, Lee C.: *See—*  
 Binkley, Stephen B., and Cheney. 2,703,324.  
 Cooper, Douglas E., and Cheney. 2,700,667.  
 Cooper, Douglas E., and Cheney. 2,724,000.
- Cheney, Leroy K., to Richfield Oil Corp. 2,712,549, Cl.  
 260—524.
- Cheney, Leroy K., and C. M. Himel, to Richfield Oil Corp.  
 2,712,550, Cl. 260—524.
- Chenicek, Joseph A., to Universal Oil Products Co. 2,700,612,  
 Cl. 99—8.
- Chenicek, Joseph A., to Universal Oil Products Co. 2,704,724,  
 Cl. 99—163.
- Chenicek, Joseph A., to Universal Oil Products Co. 2,704,746,  
 Cl. 252—404.
- Chenicek, Joseph A., to Universal Oil Products Co. 2,708,179,  
 Cl. 196—24.
- Chenicek, Joseph A., to Universal Oil Products Co. 2,714,057,  
 Cl. 44—63.
- Chenicek, Joseph A., to Universal Oil Products Co. 2,717,826,  
 Cl. 44—74.
- Chenicek, Joseph A., to Universal Oil Products Co. 2,723,944,  
 Cl. 196—24.
- Chenicek, Joseph A., and W. K. T. Gleim, to Universal Oil  
 Products Co. 2,714,104, Cl. 260—205.
- Chenicek, Joseph A., and R. H. Rosenwald, to Universal Oil  
 Products Company. 2,715,072, Cl. 106—263.
- Chenus, Pierre J. C., to Compagnie des Machines Bull (Societe  
 Anonyme). 2,722,375, Cl. 235—61.
- Chepil, William S. 2,709,320, Cl. 47—1.
- Cherigie, Pierre, to La Cellophane. 2,726,858, Cl. 271—2.6.
- Cherkin, Arthur, to Don Baxter, Inc. 2,704,075, Cl. 128—272.
- Cherlow, Herman, E. H. Bart, and A. G. Hill, to American  
 Cyanamid Co. 2,700,060, Cl. 260—646.
- Cherniak, George S., to Control Engineering Corp. 2,727,387,  
 Cl. 73—141.
- Chernosky, Allen A.: *See—*  
 Heintz, Karl O., Dunaway, and Chernosky. 2,718,707.  
 Rodman, Isaac P., Nolle, Chernosky, and Wood.  
 2,709,796.
- Cheronis, Nicholas D. 2,721,145, Cl. 117—55.
- Cherouvrier, Robert E. 2,712,266, Cl. 88—24.
- Cherry-Burrell Corp.: *See—*  
 Kummer, Theodore H., and Bodendoerfer. 2,700,494.
- Cherry, Louis. 2,708,846, Cl. 72—15.
- Cherry, William J.,  $\frac{1}{2}$  to B. E. McGrath. 2,724,167, Cl.  
 27—14.
- Chertkof, Jack O. 2,727,827, Cl. 106—308.
- Chertkof, Jack O. 2,727,829, Cl. 117—54.
- Chesapeake and Ohio Railway Co., The: *See—*  
 Browne, Kenneth A., and Guins. 2,720,431.
- Cheshire, Lucius M. 2,712,148, Cl. 15—254.
- Cheshire Mailing Machines, Inc.: *See—*  
 Doane, Ralph E., and Ridenour. 2,715,975.
- Cheskin, David B. 2,721,628, Cl. 187—8.49.
- Chesler, Abraham E. 2,699,666, Cl. 70—149.
- Chesmer, Alec D.: *See—*  
 Mills, Joseph A. W., Drew, and Chesmer. 2,724,865.
- Chesnut, Florence P.: *See—*  
 Chesnut, Roy W. 2,724,742.
- Chesnut, Roy W., deceased, by F. P. Chesnut, executrix, to  
 Bell Telephone Laboratories, Inc. 2,724,742, Cl. 179—15.5.
- Chesnut, William C. 2,699,235, Cl. 190—41.
- Chesnutt, Ralph C. 2,700,377, Cl. 132—41.65.
- Chessey, Donald E. 2,726,658, Cl. 128—400.
- Chester, Allan E., to Poor & Co. 2,700,646, Cl. 204—44.
- Chester, Allan E., to Poor & Co. 2,701,811, Cl. 260—429.
- Chester, Allan E., to Poor & Co. 2,702,762, Cl. 117—53.
- Chester, Allan E., to Poor & Co. 2,706,692, Cl. 117—70.
- Chester, Allan E., to Poor & Co. 2,725,395, Cl. 260—501.
- Chester, Allan E., to Poor & Co. 2,727,841, Cl. 148—6.2.
- Chester, Hildagarde. 2,699,782, Cl. 128—295.
- Chestnut, Robert, to Aluminum Co. of America. 2,714,450,  
 Cl. 207—2.
- Chestnutt, John E.,  $\frac{1}{4}$  to R. H. Ligon,  $\frac{1}{4}$  to R. P. Kane, and  
 $\frac{1}{4}$  to G. C. Merritt. 2,701,022, Cl. 180—26.
- Cheyette, David A., to Nordberg Mfg. Co. 2,703,649, Cl.  
 209—314.
- Chibret, Rene, E. Petavy, and G. Bonnevey. 2,703,575, Cl.  
 128—218.



- Chicago Aerial Survey Co. : *See*—  
Sonne, Frederick T., and Bury. 2,713,814.
- Chicago Bridge & Iron Co. : *See*—  
Arnold, Perry C. 2,713,106.  
Brown, Robert L. 2,713,196.  
Hines, Clarence W. 2,720,694.  
Jacoby, Harold E. 2,720,259.  
McGrath, Raymond V. 2,725,620.
- Chicago Cardboard Co. : *See*—  
Ross, Valentine A., and Drucek. 2,728,154.
- Chicago Carton Co. : *See*—  
Richardson, Ralph R., Homan, and Ritter. 2,711,676.
- Chicago Eye Shield Co. : *See*—  
Malcom, Robert, Jr. 2,727,237.
- Chicago Fire Brick Co. : *See*—  
Parsons, Joseph R. 2,702,752.
- Chicago Forging and Mfg. Co. : *See*—  
Krause, Herbert. 2,722,136.  
Sigel, Carl A., and Lindner. 2,700,293.
- Chicago Malleable Castings Co. : *See*—  
Welp, Herman T. 2,722,291.
- Chicago Metal Hose Corp. : *See*—  
Ekholm, Carl R. 2,713,503.  
Fentress, David W., and Schindler. 2,707,117.  
Schindler, Frank S. 2,721,746.
- Chicago Metallic Mfg. Co. : *See*—  
Fredrickson, Robert I. 2,704,470.
- Chicago Nipple Mfg. Co. : *See*—  
Marsden, George B. 2,709,822.  
Marsden, George B. 2,720,400.
- Chicago Pneumatic Tool Co. : *See*—  
Amtsberg, Lester A. 2,723,777.  
Amtsberg, Lester A. 2,724,299.  
Connell, Edwin L. 2,728,252.  
Fischer, Howard R. 2,704,681.  
Fischer, Howard R. 2,716,393.  
Fischer, Howard R., and Roberts. 2,718,798.  
Fischer, Howard R., and Roberts. 2,718,868.  
Lear, Earl B. 2,725,854.  
Lear, Earl B., and Samhammer. 2,709,059.  
Lear, Earl B., and Samhammer. 2,726,066.  
Maurer, Spencer B. 2,717,672.  
Samhammer, Donald F. 2,727,725.
- Chicago Pump Co. : *See*—  
Lauwasser, Albert B. 2,708,036.
- Chicago Railway Equipment Co. : *See*—  
Spaeth, Irvin J. 2,702,614.
- Chicago Rawhide Mfg. Co. : *See*—  
Dolhun, Leonard M. 2,701,154.  
Sefren, John H., and Eirk. 2,702,203.
- Chicago Roller Skate Co. : *See*—  
Ware, Gordon K. 2,719,723.  
Ware, Walter. 2,719,725.
- Chicago Show Printing Co. : *See*—  
Leander, Russell J. 2,728,451.
- Chicago Standard Transformer Corp. : *See*—  
Schwennessen, Donald O. 2,713,667.
- Chicago Telephone Supply Corp. : *See*—  
Arisman, Mervin B., and Daily. 2,721,245.  
Daily, Arthur M., and Arisman. 2,717,944.  
Daily, Arthur M., and Cocanower. 2,705,749.  
Daily, Arthur M., and Gallay. 2,721,243.  
Daily, Arthur M., and Veatch. 2,717,943.
- Chick, Arthur J., and L. J. Speck, to Bell Telephone Laboratories, Inc. 2,708,787, Cl. 29—473.1.
- Chicopee Mfg. Corp. : *See*—  
Goldman, Maurice A. 2,710,992.  
Harmon, Carlyle. 2,702,257.  
Johnson, Robert W., Ness, and Lints. 2,705,497.  
Kennette, Heath O., and Sumner. 2,698,671.  
Morin, George V. 2,699,170.  
Ness, Irving S., Lints, and Petterson. 2,705,686.  
Ness, Irving S., Lints, and Petterson. 2,705,688.  
Petterson, De Witt R. 2,705,692.  
Petterson, De Witt R., and Ness. 2,705,687.  
Simon, Simon A., and Ruhf. 2,717,193.  
Vose, Robert W. 2,724,870.  
Walton, John R. 2,713,876.
- Chicopee Mills, Inc. : *See*—  
Black, Robert A., and Rohs. 2,712,834.
- Chien, Kun L. : *See*—  
Brustman, Joseph A., and Chien. 2,702,380.
- Chiksan Co. : *See*—  
Hedden, Robert R. 2,717,166.  
Warren, Doyle C. 2,701,146.  
Warren, Doyle C. 2,703,720.
- Chilcote, Charles R. 2,718,703, Cl. 33—27.
- Child, Henry C. : *See*—  
Harris, Geoffrey T., and Child. 2,713,537.  
Harris, Geoffrey T., and Child. 2,713,538.
- Child, James L., Jr., to The Hancock Brick & Tile Co. 2,711,003, Cl. 25—132.
- Childers, Alida H., and D. Gold, to Sylvania Electric Products, Inc. 2,711,390, Cl. 204—181.
- Childers, Spencer L., and W. B. Warren, to Vandorlator Mfg. Co. 2,727,654, Cl. 221—22.
- Childs, Gordon E., to Westinghouse Electric Corp. 2,703,523, Cl. 101—44.
- Childs, Gordon E., to Westinghouse Electric Corp. 2,716,498, Cl. 214—18.2.
- Childs, Wesley H. : *See*—  
Shinn, Byron M., and Childs. 2,721,142.
- Chilean Nitrate Sales Corp. : *See*—  
Loonam, Alfred C. 2,714,564.  
Ziemlak, Leo W. 2,698,819.
- Chiles, John H., Jr., and A. J. Maslin, to Westinghouse Electric Corp. 2,725,502, Cl. 317—14.
- Chiles, John M. 2,717,396, Cl. 4—41.
- Chilman, John A., to Rotol Ltd. 2,699,303, Cl. 244—134.
- Chilman, John A., A. G. Mapp, and J. Cripps, to Rotol Ltd. 2,710,355, Cl. 290—4.
- Chilton, William E. : *See*—  
Dixon, Edward C., and Chilton. 2,708,927.
- Chin, Pao H., to Continental Engineering Corp. 2,715,706, Cl. 318—264.
- Chinn, Arthur J., to The Rheostatic Co. Ltd. 2,707,215, Cl. 200—138.
- Chinn, Elmer E. 2,721,608, Cl. 158—91.
- Chinn, Leland J., and L. E. Thielen, to G. D. Searle & Co. 2,727,907, Cl. 260—397.4.
- Chiodine, Samuel F., and J. B. Lawson, to Lawson Products, Inc. 2,723,543, Cl. 66—19.
- Chiple, Alfred S., to Burgess-Manning Co. 2,706,012, Cl. 181—40.
- Chipman Chemical Co., Inc. : *See*—  
Seibert, Frank J. 2,704,243.
- Chirtel, Joseph S., and A. M. Mark, to Tee-Pak, Inc. 2,705,705, Cl. 260—78.
- Chiselbrook, Lester F. 2,701,033, Cl. 187—29.
- Chisholm, Allen E. 2,727,108, Cl. 200—67.
- Chisholm, Boyd & White Co. : *See*—  
Barkham, Joseph. 2,716,900.  
Ebersole, Robert A. 2,704,874.
- Chisholm, George E. 2,713,530, Cl. 311—103.
- Chisholm, Harry L., Jr., to Houdaille-Hershey Corp. 2,726,737, Cl. 188—100.
- Chisholm-Ryder Co., Inc. : *See*—  
Benson, George O. 2,711,918.
- Chisholm-Ryder Co. of Pennsylvania : *See*—  
Hesson, Charles M. 2,722,333.
- Chivens, Clyde C. : *See*—  
Dames, Trent R., Strom, Maloney, Chivens, and Boller. 2,702,473.
- Chizewski, Walter W. 2,723,858, Cl. 273—192.
- Chloride Electrical Storage Co. Ltd., The : *See*—  
Jay, James B., White, and Hunt. 2,717,003.
- Choate, Christian E., 1/2 to C. May. 2,719,308, Cl. 4—211.
- Chodroff, Saul : *See*—  
Klein, Howard C., and Chodroff. 2,702,816.  
Levy, Joseph, Chodroff, and Kapp. 2,716,122.
- Choice, Frank C., to United Shoe Machinery Corp. 2,723,551, Cl. 69—16.
- Chokae, James A. : *See*—  
Rooney, Elwin H. 2,725,712.
- Chollar, Allan L. : *See*—  
Scrivner, Frank H., and Chollar. 2,716,373.
- Chong, Kin S. 2,710,757, Cl. 273—183.
- Chopp, Mary J. 2,722,706, Cl. 15—227.
- Choquette, Paul J. : *See*—  
Hennessey, John H., and Choquette. 2,722,489.
- Chore-Time Equipment, Inc. : *See*—  
Brembeck, Howard S. 2,709,417.
- Chorpening, Creed M., to The Astatic Corp. 2,702,354, Cl. 310—8.6.
- Choumenkovitch, Milorad I. : *See*—  
Oxaal, Lelf, and Choumenkovitch. 2,718,133.
- Chriscaden, Alex W. : *See*—  
Kendall, George A., and Chriscaden. 2,704,955.  
Kendall, George A., and Chriscaden. 2,718,168.
- Chrisley, Tom H., Jr. 2,711,347, Cl. 299—62.
- Chrisman, John L. : *See*—  
McKibben, Paul S., Chrisman, and Smith. 2,705,614.
- Christ, Mureen. 2,704,606, Cl. 209—352.
- Christensen, Carl F. : *See*—  
Jackson, Theodore F. 2,719,450.
- Christensen, Carl H. 2,707,331, Cl. 33—49.
- Christensen, George L. 2,715,487, Cl. 224—23.
- Christensen, Earl H. : *See*—  
Carver, Lawrence W., and Christensen. 2,722,954.
- Christensen, Jens J. 2,704,564, Cl. 152—210.
- Christensen, John C., and W. F. Fair, Jr., to Koppers Co., Inc. 2,727,832, Cl. 117—70.
- Christensen, Niel, to E. B. Wilkey. 2,721,425, Cl. 51—131.
- Christensen, Olaf : *See*—  
West, John C., and Christensen. 2,705,350.
- Christensen, Paul M. : *See*—  
Cole, Thomas M., and Christensen. 2,700,713.
- Christensen, Walter D. 2,725,697, Cl. 51—281.
- Christian, Carl A., and S. J. Murcek, to Westinghouse Electric Corp. 2,717,351, Cl. 321—18.
- Christian, John D., to Monsanto Chemical Co. 2,711,427, Cl. 260—566.
- Christian, John D., to Monsanto Chemical Company. 2,715,100, Cl. 252—1.
- Christian, Raymond A., H. C. Johnson, and A. W. Titus, to The National Cash Register Co. 2,723,019, Cl. 197—177.
- Christian, Robert E. : *See*—  
Schneider, Frank J., Reinhart, and Christian. 2,702,010.
- Christian, Schuyler M. : *See*—  
Linder, Ernest G., and Christian. 2,720,582.
- Christian, Schuyler M., to Radio Corp. of America. 2,719,799, Cl. 148—1.
- Christiansen, Andrew L. 2,701,674, Cl. 226—101.
- Christiansen, Christian. 2,704,163, Cl. 214—140.



- Christiansen, Walter M., to Technical Specialties, Inc. 2,725,950, Cl. 183—6.  
 Christiansson, Eric T., to Aktiebolaget Svenska Flaktfabriken. 2,724,579, Cl. 257—9.  
 Christie, Cleve F., 25% to D. A. Harrison. 2,709,980, Cl. 114—208.  
 Christie, Robert K., and C. J. Eaton, to Champion Spark Plug Co. 2,716,267, Cl. 29—25.19.  
 Christman, Nancy R.: *See—*  
   Christman, Peter J. 2,704,041.  
 Christman, Peter J.,  $\frac{1}{2}$  to T. Lutsey,  $\frac{1}{2}$  to W. P. Christman,  $\frac{1}{2}$  to H. C. Reince, and  $\frac{1}{2}$  to N. R. Christman. 2,704,041, Cl. 107—58.  
 Christman, Wallace P.: *See—*  
   Christman, Peter J. 2,704,041.  
 Christmas, William J. 2,701,691, Cl. 242—55.2.  
 Christner, Robert M. 2,717,221, Cl. 117—127.  
 Christoffel, Clo: *See—*  
   Staerkle, Max A., Meier, and Christoffel. 2,698,937.  
 Christopher, Michael. 2,723,419, Cl. 16—144.  
 Christophersen, Christian W. 2,725,882, Cl. 131—205.  
 Christophersen, Clarence E., to Marman Products Co., Inc. 2,703,722, Cl. 285—129.  
 Christophersen, Clarence E., to Marman Products Co., Inc. 2,711,572, Cl. 24—279.  
 Christopherson, Eddie C., 50% to W. F. Killgore. 2,699,699, Cl. 81—160.  
 Christopherson, Ray, to Devere Co. 2,701,434, Cl. 56—1.  
 Christy, Guy S. 2,725,569, Cl. 2—153.  
 Christy, Lester L. 2,717,778, Cl. 268—108.  
 Christy, Robert A., to Borg-Warner Corp. 2,724,591, Cl. 721—2.3.  
 Chromatic Television Laboratories, Inc.: *See—*  
   Gow, James D. 2,721,293.  
   Lawrence, Ernest O. 2,702,873.  
   Lawrence, Ernest O. 2,711,493.  
   Lawrence, Ernest O., Aiken, and Mack. 2,705,257.  
   Raibourn, Paul. 2,723,305.  
   Vale, James T. 2,721,288.  
 Chromey, Frederick C.: *See—*  
   Alvarez, Luis W., Rossi, and Chromey. 2,706,793.  
 Chromium Mining & Smelting Corp. Ltd.: *See—*  
   Timmins, Leo H. 2,698,784.  
 Chromy, Benjamin J.: *See—*  
   Allen, Philip H., and Chromy. 2,727,683.  
 Chrunka, Joseph. 2,721,439, Cl. 56—400.17.  
 Chrysler Corp.: *See—*  
   Ackerman, Paul C. 2,726,557.  
   Ball, Thomas M. 2,722,206.  
   Blanchette, Louis M., and Drude. 2,722,199.  
   Brown, Warren D., Dudley, Flemming, and Sturtevant. 2,705,655.  
   Brugler, Richard L. 2,726,518.  
   Butterfield, John P. 2,707,799.  
   Cameron, Martin E., and Bratus. 2,715,912.  
   Cornell, Jacob. 2,705,872.  
   Dickson, John B. 2,718,586.  
   Dickson, John B. 2,726,836.  
   Dillman, Oscar D. 2,723,573.  
   Dodt, Elmer C., and Zimmerman. 2,717,798.  
   Drinkard, William E., and Carpentier. 2,722,203.  
   Folkerts, Walter E. 2,710,596.  
   Greenlee, Harry R. 2,726,556.  
   Hartman, Robert F. C., and Gilmer. 2,717,507.  
   Hottel, Ray. 2,710,213.  
   Howard, Louis S. 2,708,135.  
   Huebner, George J., Jr. 2,707,865.  
   Huebner, George J., Jr., and Borden. 2,699,319.  
   Hunter, William A., and Cousino. 2,710,203.  
   Iavelli, Teno, Syrovoy, and Couture. 2,701,948.  
   Jandasek, Joseph. 2,709,926.  
   Janeway, Robert N. 2,717,559.  
   Lamb, Ernest P. 2,700,411.  
   Lewis, Clayton R., Bidwell, and Underwood. 2,715,830.  
   Loveley, Joseph D., Brugler, and Miller. 2,717,508.  
   Martin, Ferman P. 2,720,947.  
   Nims, Paul T. 2,699,218.  
   Peterson, Carl O., and Spindler. 2,721,780.  
   Powley, Richard A. 2,710,327.  
   Qulstgaard, Erik V., and Dunn. 2,703,748.  
   Rothwell, Philip M. 2,716,396.  
   Sarto, Jorma O. 2,722,207.  
   Slack, Frederic W. 2,707,887.  
   Smith, Robert F. 2,717,680.  
   Spindler, Norman J., Bloomstran, Larson, and Oram. 2,717,699.  
   Sterne, Bernhard F. 2,702,188.  
   Sterne, Bernhard E. 2,703,710.  
   Sturtevant, Mark J. 2,708,111.  
   Tefft, Clinton E. 2,723,708.  
   Thannhauser, Fred G. 2,720,931.  
   Trichel, Gervais W. 2,700,272.  
   Utz, Chester C. 2,705,635.  
   Webb, Edmond F., and Hansen. Re. 24,081.  
   Webb, Edmond F., and Hansen. 2,711,828.  
   Williams, Samuel B. 2,700,530.  
   Zeeb, Elmer G. 2,715,448.  
   Zierer, Wallace E. 2,705,540.  
 Chrystie, Henry, to Hughes Aircraft Co. 2,703,853, Cl. 317—101.  
 Chubb, Melvin F., to The Eagle-Picher Co. 2,707,202, Cl. 136—147.  
 Chubb, Melvin F., and J. M. Dines, to The Eagle-Picher Co. 2,715,652, Cl. 136—100.  
 Chubb, Melvin F., and J. M. Dines, to The Eagle-Picher Co. 2,727,079, Cl. 136—17.  
 Chubb, Melvin F., and J. M. Dines, to The Eagle-Picher Co. 2,727,082, Cl. 136—30.  
 Chubb, Talbot A.: *See—*  
   Loevinger, Robert, Chubb, and Monk. 2,727,995.  
 Chubb, Walston, to the United States of America as represented by the United States Atomic Energy Commission. 2,705,674, Cl. 75—177.  
 Chubby, Marion M., to A. Stein & Co. 2,705,801, Cl. 2—43.  
 Chudyk, Alex B., to Minneapolis-Honeywell Regulator Co. 2,724,236, Cl. 60—13.  
 Chun, Melvin E., to the United States of America as represented by the Secretary of the Navy. 2,710,388, Cl. 340—3.  
 Chung, Jackson, to Dodge Mfg. Corp. 2,712,761, Cl. 74—410.  
 Chupa, John C., to The Barr Rubber Products Co. 2,710,622, Cl. 137—223.  
 Church, George T. 2,724,846, Cl. 15—3.15.  
 Church, Ira E. 2,709,913, Cl. 73—66.  
 Church of Religious Science: *See—*  
   Drain, Herbert D. 2,704,370.  
 Churchill, George R. 2,724,937, Cl. 51—193.  
 Churchill, John W., to Olin Mathieson Chemical Corp. 2,698,866, Cl. 260—619.  
 Churchill, Ralph H. 2,710,534, Cl. 67—27.  
 Churchill-Redman, Ltd.: *See—*  
   Dodgson, Frank. 2,726,565.  
 Chvosta, Jerry F., to Tinnerman Products, Inc. 2,727,552, Cl. 151—41.75.  
 Chyle, John J., to A. O. Smith Corp. 2,709,295, Cl. 29—196.3.  
 Ciabattari, Emil J., to Yeomans Brothers Co. 2,725,825, Cl. 103—207.  
 Ciaccia, Patrick J. 2,712,483, Cl. 309—4.  
 Ciambriello, Sam, and D. Artese. 2,721,723, Cl. 254—1.  
 Ciampa, Lincoln L., to United States Electric Mfg. Corp. 2,698,495, Cl. 46—45.  
 Ciampolini, Valerio. 2,708,330, Cl. 46—79.  
 Ciapetta, Frank G., and J. B. Hunter, to The Atlantic Refining Co. 2,721,226, Cl. 260—667.  
 Ciba Co., Inc.: *See—*  
   Jacobs, Fred F. 2,700,883.  
 Ciba Ltd.: *See—*  
   Buehler, Arthur. 2,720,518.  
   Buehler, Arthur, and Zickendraht. 2,727,032.  
   Eicher, Werner, Schild, and Juchli. 2,701,645.  
   Fisch, Willy. 2,712,535.  
   Grelat, Maurice, and Kern. 2,702,294.  
   Grossmann, Paul, and Kern. 2,715,128.  
   Hanhart, Walter. 2,709,166.  
   Hanhart, Walter, and Riat. 2,717,891.  
   Jenny, Walter, and Kern. 2,709,168.  
   Jenny, Walter, and Kern. 2,720,533.  
   Moergeli, Eduard. 2,705,709.  
   Moergeli, Eduard. 2,705,718.  
   Moergeli, Eduard. 2,706,731.  
   Porret, Daniel. 2,709,177.  
   Rayner, Claude A. A., and Bird. 2,718,681.  
   Reich, Ernst. 2,720,519.  
   Ruegg, Rudolf, Buehler, and Moser. 2,715,120.  
   Schmid, Max, and Moser. 2,700,037.  
   Schmidt, Paul. 2,719,167.  
   Siegrist, Adolf E. 2,719,155.  
   Stoecklin, Ernst, and Schobel. 2,702,295.  
   Sutter, Paul. 2,722,530.  
   Wettstein, Walter. 2,699,441.  
   Widmer, Gustav. 2,709,693.  
   Widmer, Gustav, and Zuppinger. 2,700,030.  
   Zickendraht, Christian, and Buehler. 2,727,031.  
 Ciba Pharmaceutical Products, Inc.: *See—*  
   Druey, Jean. 2,719,158.  
   Druey, Jean, and Schmidt. 2,706,197.  
   Hoffman, Karl, and Sury. 2,727,897.  
   Hoffmann, Karl, and Tagmann. 2,702,293.  
   Hoffmann, Karl, and Tagman. 2,711,412.  
   Huebner, Charles F. 2,726,243.  
   Huebner, Charles F., and Scholz. 2,702,821.  
   Huebner, Charles F., and Scholz. 2,703,815.  
   Huebner, Charles F., and Scholz. 2,714,613.  
   Isler, Hans, and Hüni. 2,710,295.  
   MacPhillamy, Harold B. 2,720,523.  
   Matter, Max. 2,714,607.  
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   Miescher, Karl, and Kaegi. 2,714,108.  
   Miescher, Karl, Wettstein, and Heusler. 2,714,112.  
   Mull, Robert P. 2,711,421.  
   Werner, Lincoln H., and Scholz. 2,705,716.  
 Cicero, Frank. 2,712,946, Cl. 280—124.  
 Cicero, Frank. 2,718,338, Cl. 222—469.  
 Cieleesz, Walter J. 2,705,277, Cl. 219—24.  
 Cier, Harry E., to Esso Research and Engineering Co. 2,709,155, Cl. 204—162.  
 Ciesielski, Adam J.: *See—*  
   Krzanowski, Frank A. 2,718,692.  
 Cigaromat Corp. of America: *See—*  
   Berger, Martin M., and Bendl. 2,708,053.  
 Cigliano, William B., to Russell, Burdsall & Ward Bolt and Nut Co. 2,711,832, Cl. 214—8.



- Cilag Ltd.: *See*—  
 Martin, Henry. 2,716,626.  
 Martin, Henry. 2,719,168.  
 Suter, Hans, and Habicht. 2,707,185.  
 Suter, Hans, and Habicht. 2,708,677.  
 Suter, Hans, Habicht, and Kündig. 2,712,014.  
 Suter, Hans, and Zutter. 2,711,424.  
 Cilley, Irving. 2,728,297. Cl. 103—41.  
 Cilley, Joseph E. 2,709,506. Cl. 188—82.3.  
 Cinamon, Lionel. 2,726,308. Cl. 219—10.  
 Cincel, Walter H.,  $\frac{1}{2}$  to D. B. Millat and  $\frac{1}{2}$  to A. E. Millat. 2,708,844. Cl. 70—170.  
 Cinch Mfg. Corp.: *See*—  
 Del Camp, Scipione M. 2,704,836.  
 Peters, Arthur C. 2,705,312.  
 Cincinnati Coffin Co.: *See*—  
 Woltering, Joseph A., and Claxton. 2,718,687.  
 Cincinnati Industries, Inc.: *See*—  
 Rowe, William W. 2,705,209.  
 Cincinnati Milling Machine Co., The: *See*—  
 Boehm, Carl A., and Raehrs. 2,709,395.  
 Clifton, Richard N., Waters, and Ochotschinsky. 2,728,268.  
 Dall, Albert H., and Adams. 2,714,823.  
 Dall, Albert H., and Fritschi. 2,713,246.  
 Dall, Albert H., and Grove. 2,709,877.  
 Evans, Wendell I. 2,727,419.  
 Fritschi, Hans, and Dall. 2,706,892.  
 Horlacher, Herman. 2,703,040.  
 Horlacher, Herman. 2,713,772.  
 Roehm, Erwin G. 2,716,925.  
 Roehm, Erwin G. 2,726,581.  
 Roehm, Erwin G. 2,726,582.  
 Romaine, Millard, and Ritter. 2,711,114.  
 Stuckey, Albert D. C., and Decker. 2,718,101.  
 Trinkle, Dallas R. 2,704,012.  
 Cincinnati Mine Machinery Co., The: *See*—  
 Cartledge, John R. 2,720,392.  
 Cincinnati Shaper Co., The: *See*—  
 Fritsch, Ralph C. 2,705,501.  
 Cinema-Television Ltd.: *See*—  
 Freeman, George S. P. 2,726,352.  
 Cines, Martin R., to Phillips Petroleum Co. 2,699,422. Cl. 202—42.  
 Cines, Martin R., to Phillips Petroleum Co. 2,703,818. Cl. 260—666.  
 Cines, Martin R., and J. C. Krejci, to Phillips Petroleum Co. 2,714,055. Cl. 23—209.4.  
 Ciolli, Thomas. 2,707,844. Cl. 43—62.  
 Cipriani, Chester, and W. R. Manthey. 2,723,364. Cl. 315—58.  
 Cipriano, John F., to Adelphi Research and Mfg. Co. 2,705,685. Cl. 117—34.  
 Cirrito, Anthony J.: *See*—  
 White, Robert E., and Cirrito. 2,724,909.  
 Cirrito, Anthony J., and H. W. Weaver, to Lukens Steel Co. 2,710,457. Cl. 34—121.  
 Cisco, Edward S., to Standard Railway Equipment Mfg. Co. 2,727,343. Cl. 51—236.  
 Cisco, Edward S., to Standard Railway Equipment Mfg. Co. 2,727,775. Cl. 292—256.5.  
 Cislak, Francis E., to Reilly Tar & Chemical Corp. 2,716,118. Cl. 260—290.  
 Cislak, Francis E., to Reilly Tar & Chemical Corp. 2,716,119. Cl. 260—290.  
 Cisko, Casimer J., to General Motors Corp. 2,725,435. Cl. 200—61.34.  
 Cisne, Edwin R. 2,706,630. Cl. 272—32.  
 Cisne, Luther E., to Bell Telephone Laboratories, Inc. 2,724,216. Cl. 49—79.  
 Cisne, Luther E., to Bell Telephone Laboratories, Inc. 2,724,761. Cl. 201—63.  
 Cissell, W. M., Mfg. Co.: *See*—  
 Richterkessing, Frank H. 2,701,404.  
 Cisski, Irving, to Ampro Corp. 2,716,351. Cl. 74—400.  
 Cisski, Irving, to Ampro Corp. 2,718,152. Cl. 74—125.  
 Cities Service Refining Corp.: *See*—  
 Mattix, Emory D. 2,703,981.  
 Cities Service Research and Development Co.: *See*—  
 Hughes, William B. 2,724,695.  
 Hughes, William B. 2,727,003.  
 Hughes, William B., and Fisher. 2,700,024.  
 Hughes, William B., and Lembeke. 2,706,714.  
 City of Jacksonville, The: *See*—  
 Johnson, Joseph A. 2,706,900.  
 City National Bank and Trust Co. of Chicago: *See*—  
 Treff, Alfred. 2,723,541.  
 Claber Bi-Metal Plate Co., Inc.: *See*—  
 Alexander, William F. 2,704,512.  
 Clade, Robert, to W-K-M Mfg. Co., Inc. 2,715,412. Cl. 137—246.17.  
 Clade, Robert, to W-K-M Mfg. Co., Inc. 2,718,665. Cl. 18—47.5.  
 Clade, Robert, to W-K-M Mfg. Co., Inc. 2,719,023. Cl. 251—212.  
 Claff, Chester E.: *See*—  
 Claff, Clarence L. and C. E., and Moeller. 2,706,944.  
 Claff, Clarence L. and C. E., and Moeller. 2,712,342.  
 Claff, Clarence L. and C. E., and C. A. Moeller, to M. B. Claff & Sons, Inc. 2,706,944. Cl. 101—227.  
 Claff, Clarence L. and C. E., and C. A. Moeller, to M. B. Claff & Sons, Inc. 2,712,342. Cl. 154—37.  
 Claff, M. B., & Sons, Inc.: *See*—  
 Claff, Clarence L. and C. E., and Moeller. 2,706,944.  
 Claff, Clarence L. and C. E., and Moeller. 2,712,342.  
 Claffey, Joseph B.: *See*—  
 Eskew, Roderick K., and Claffey. 2,718,469.  
 Clampitt, Lawrence L., and F. B. Parks, to Raytheon Mfg. Co. 2,704,338. Cl. 315—39.61.  
 Clampitt, Richard C. 2,722,245. Cl. 143—158.  
 Clapp, Charles W.: *See*—  
 Mork, Raymond P., and Clapp. 2,712,640.  
 Clapp, Charles W., to General Electric Co. 2,723,350. Cl. 250—71.  
 Clapp, Gerald S.: *See*—  
 Thomas, John J., Schwartz, and Clapp. 2,718,895.  
 Clardy, Le Roy, to Swift & Co. 2,707,770. Cl. 324—65.  
 Clark, Adna R., to International Harvester Co. 2,723,537. Cl. 62—115.  
 Clark, Alfred: *See*—  
 Buell, Charles K., and Clark. 2,699,986.  
 Clark, Alfred, to Phillips Petroleum Co. 2,706,211. Cl. 260—683.15.  
 Clark, Alfred S., to United Shoe Machinery Corp. 2,698,680. Cl. 192—129.  
 Clark, Alfred S., to United Shoe Machinery Corp. 2,699,110. Cl. 101—26.  
 Clark, Alfred S., to United Shoe Machinery Corp. 2,721,344. Cl. 12—40.  
 Clark, Alfred S., to United Shoe Machinery Corp. 2,726,600. Cl. 101—41.  
 Clark, Betty B. 2,711,296. Cl. 244—148.  
 Clark, Bryce L., and C. S. Miller, to Minnesota Mining & Mfg. Co. 2,710,263. Cl. 117—36.  
 Clark, Carleton L., W. W. Hickey, R. G. Kaiser, and J. A. Smith, to The Rotaread Corp. 2,717,536. Cl. 92—28.  
 Clark, Charles C.: *See*—  
 Foley, Francis B., and Clark. 2,708,159.  
 Clark, Chester G.: *See*—  
 Davis, John V., and Clark. 2,716,415.  
 Clark, Chester G., to The Udyllite Corp. 2,722,513. Cl. 204—297.  
 Clark, Colin H. W., to Steatite and Porcelain Products Ltd. 2,715,593. Cl. 117—215.  
 Clark Controller Co., The: *See*—  
 Few, William. 2,713,137.  
 Macha, Victor M., and Puette. 2,704,838.  
 Clark, David M. 2,704,065. Cl. 128—2.05.  
 Clark, Dixon W., A. J. Sachse, and H. N. Steele. 2,714,249. Cl. 30—153.  
 Clark, Donald B., and H. W. Welsh, to Curtiss-Wright Corp. 2,705,863. Cl. 60—35.6.  
 Clark, Edgar R., W. J. Francey, and H. F. Hamlin, to U. S. Hoffman Machinery Corp. 2,705,221. Cl. 204—306.  
 Clark, Edward B., to General Electric Co. 2,708,122. Cl. 285—24.5.  
 Clark, Edward C., Jr., and R. D. Hull, to American Viscose Corp. 2,711,782. Cl. 154—42.3.  
 Clark, Edward G., to Philco Corp. 2,703,341. Cl. 178—7.3.  
 Clark, Edward H.: *See*—  
 Miner, Samuel S., and Clark. 2,725,091.  
 Clark, Edward J.: *See*—  
 Buhler, Eugen, and Clark. 2,720,134.  
 Clark, Edwin B., to Crescent Dental Mfg. Co. 2,727,307. Cl. 32—20.  
 Clark Equipment Co.: *See*—  
 Bartel, Tom H., Meade, Smith, and Tims. 2,714,969.  
 Gault, Donald W. 2,722,327.  
 Lapsley, Robert. 2,718,950.  
 Lapsley, Robert. 2,722,300.  
 Lapsley, Robert. 2,727,606.  
 Lapsley, Robert, and Banker. 2,722,133.  
 Maginn, Edward J., and Horton. 2,727,643.  
 Marco, George. 2,704,132.  
 Marietta, Carl B. 2,709,532.  
 Mills, Burton L., and Turner. 2,711,341.  
 Turner, George L., and Elliott. 2,706,062.  
 Clark, Ernest E. 2,706,352. Cl. 40—67.  
 Clark, Everett O., and M. R. Fox, to Vickers Inc. 2,728,194. Cl. 60—52.  
 Clark, Frederick G.,  $\frac{1}{2}$  to W. Stevenson. 2,714,829. Cl. 81—125.  
 Clark, Frederick G., one-half to W. Stevenson. 2,718,806. Cl. 81—125.  
 Clark, George B. 2,714,819. Cl. 73—212.  
 Clark, George F. 2,728,572. Cl. 271—2.5.  
 Clark, George F., J. G., and R. W.; said J. G. and R. W. Clark assors. to said G. F. Clark. 2,723,117. Cl. 271—2.5.  
 Clark, George P., Co., The: *See*—  
 Babcock, Pearl D. 2,706,643.  
 Clark, George R., and W. J. Priest, to Eastman Kodak Co. 2,721,801. Cl. 95—8.  
 Clark, Gushion B., Jr.: *See*—  
 Clasco, Paul N. 2,701,672.  
 Clark, Harden J. 2,723,843. Cl. 263—51.  
 Clark, Harold A., to Dow Corning Corp. 2,706,190. Cl. 260—46.5.  
 Clark, Harold A., to Dow Corning Corp. 2,718,483. Cl. 154—43.  
 Clark, Harold E. 2,705,199. Cl. 95—1.9.  
 Clark, Harry F., to General Motors Corp. 2,722,644. Cl. 318—221.  
 Clark, Howard L., to General Electric Co. 2,720,111. Cl. 73—141.  
 Clark, Irving. 2,724,852. Cl. 15—152.  
 Clark, James D., and B. E. Anderson, to A. B. Dick Company. 2,714,749. Cl. 19—156.  
 Clark, James D., and B. E. Anderson, to A. B. Dick Co. 2,720,005. Cl. 19—156.



- Clark, Jared W., to Union Carbide and Carbon Corp. 2,704,775, Cl. 260—653.
- Clark, Jared W., to Union Carbide and Carbon Corp. 2,704,777, Cl. 260—653.
- Clark, Joe H., to American Cyanamid Co. 2,712,012, Cl. 260—239.7.
- Clark, John G.: *See*—
- Clark, George F., J. G., and R. W. 2,723,117.
- Clark, John R.: *See*—
- Walter, Lewis A., Barry, and Clark. 2,713,050.
- Walter, Lewis A., Barry, and Clark. 2,713,051.
- Clark, John S., to The Cleveland Pneumatic Tool Co. 2,718,286, Cl. 188—134.
- Clark, Joseph W., to Phillips Petroleum Co. 2,702,236, Cl. 23—270.5.
- Clark, Kendall: *See*—
- Sharp, John C., and Clark. 2,718,772.
- Clark, Kendall, to General Electric Co. 2,703,974, Cl. 68—23.
- Clark, Kendall. 2,715,233, Cl. 10—129.
- Clark, Kendall, to General Electric Co. 2,718,711, Cl. 34—75.
- Clark, Kendall, to General Motors Corp. 2,725,118, Cl. 184—6.
- Clark, Kendall, to General Electric Co. 2,726,529, Cl. 68—133.
- Clark, Kenneth A., Sr., and V. K. Kennedy, to Lockheed Aircraft Corp. 2,724,420, Cl. 153—21.
- Clark, Kenneth C. 2,703,243, Cl. 280—477.
- Clark, Lawrence E. 2,719,516, Cl. 123—92.
- Clark, Lewis H. 2,720,038, Cl. 35—9.
- Clark, Lloyd W.: *See*—
- Naumann, Edward J., and Clark. 2,699,543.
- Clark, Lynn H. 2,711,320, Cl. 273—188.
- Clark, Maurice R., to the United States of America as represented by the United States Atomic Energy Commission. 2,708,148, Cl. 346—107.
- Clark, Melville, Jr., to the United States of America as represented by the Secretary of the Navy. 2,706,275, Cl. 333—34.
- Clark, Nathan C., to Lockheed Aircraft Corp. 2,710,367, Cl. 317—13.
- Clark, Richard W.: *See*—
- Clark, George F., J. G., and R. W. 2,723,117.
- Clark, Robert A., Jr. 2,720,556, Cl. 179—1.
- Clark, Robert H. 2,710,032, Cl. 145—35.
- Clark, Robert H. 2,717,113, Cl. 226—125.
- Clark, Robert S., to Barco Mfg. Co. 2,700,123, Cl. 317—5.
- Clark, Samuel, Jr., and G. R. Douglas. 2,717,465, Cl. 42—75.
- Clark, Stanley H., to United States Steel Corp. 2,708,557, Cl. 246—477.
- Clark, Thomas R. 2,711,250, Cl. 209—291.
- Clark, Virgil R.: *See*—
- Streich, Philip A., Clark, and Tait. 2,716,776.
- Clark, William J., and W. E. Aulen, to Eddystone Machinery Co. 2,723,717, Cl. 164—61.
- Clark, William M.: *See*—
- Roehrig, John A. 2,705,140.
- Roehrig, John A. 2,711,314.
- Clark, William R.: *See*—
- Williams, Albert J., Jr., and Clark. 2,715,209.
- Williams, Albert J., Jr., Clark, and McAdam. 2,724,022.
- Clarke, Alexander B., to The Standard Oil Co. 2,712,495, Cl. 48—206.
- Clarke, Arthur J., to Clarke Co. Inc. 2,711,670, Cl. 88—24.
- Clarke, Clarence M., to United States Hoffman Machinery Corp. 2,703,939, Cl. 38—41.
- Clarke Co. Inc.: *See*—
- Clarke, Arthur J. 2,711,670.
- Clarke, Edgar W., to The Atlantic Refining Co. 2,713,035, Cl. 252—33.
- Clarke, Edgar W., to The Atlantic Refining Co. 2,728,457, Cl. 210—51.
- Clarke, Edgar W., R. B. Doan, and V. J. Keenan, to The Atlantic Refining Co. 2,706,151, Cl. 71—1.
- Clarke, Edgar W., W. Schreiber, and P. D. Kneeland, to The Atlantic Refining Co. 2,713,034, Cl. 252—33.
- Clarke, Edmund C. 2,723,510, Cl. 51—219.
- Clarke, Ernest P. 2,702,423, Cl. 25—131.
- Clarke, Frederick A., to Gard Products, Inc. 2,712,809, Cl. 116—63.
- Clarke, Harry G. 2,705,449, Cl. 98—106.
- Clarke, Houghton W.: *See*—
- Johnson, Axel E. E. Ensminger, and Clarke. 2,709,534.
- Clarke, John D., to Morris Paper Mills. 2,712,382, Cl. 206—45.31.
- Clarke, Joseph W. 2,724,324, Cl. 100—43.
- Clarke, Joseph W. 2,724,325, Cl. 100—98.
- Clarke, Judith C. 2,720,013, Cl. 21—126.
- Clarke, Patrick J. 2,715,843, Cl. 74—417.
- Clarke, Richard G. 2,718,463, Cl. 52—24.
- Clarke, Robert E., and N. R. Collins, to Merck & Co., Inc. 2,703,748, Cl. 23—201.
- Clarke Sanding Machine Co.: *See*—
- Petersen, William L. 2,703,152.
- Petersen, William L. 2,722,700.
- Clarke, Thomas B., and G. W. Gibson, to United Shoe Machinery Corp. 2,727,260, Cl. 12—31.5.
- Clarke, William W.: *See*—
- Zademach, Erich R., and Clarke. 2,698,628.
- Clark-Riede, John R., to Northern Electric Co., Ltd. 2,725,971, Cl. 198—33.
- Clarostat Mfg. Co., Inc.: *See*—
- Mucher, George J. 2,702,223.
- Mucher, George J. 2,706,760.
- Mucher, George J. 2,712,583.
- Mucher, George J. 2,722,585.
- Clary Corp.: *See*—
- Boyden, Robert E., and Freeman. 2,724,328.
- Loudon, Robert E. 2,719,938.
- Parsons, Wharton A. 2,725,818.
- Petit, William H. 2,723,169.
- Clary, Frank A., Jr., to United-Carr Fastener Corp. 2,719,205, Cl. 201—48.
- Clary Multiplier Corp.: *See*—
- Drake, Edward P., and Boyden. 2,724,550.
- Clary, Paul D., Jr.: *See*—
- Peebles, David D., and Clary. 2,710,808.
- Classen, Robert J.: *See*—
- Berlin, Aaron S., Classen, Novak, and Hawkins. 2,723,554.
- Claude, Rene: *See*—
- Penau, Henry, Hagemann, and Claude. 2,715,090.
- Claud-Mantle, Arthur, to The Bassick Co. 2,704,218, Cl. 292—113.
- Claud-Mantle, Arthur, to The Bassick Co. 2,709,611, Cl. 292—113.
- Claud-Mantle, Arthur, to The Bassick Co. 2,709,832, Cl. 16—128.1.
- Claus, Adolf: *See*—
- Mohrs, Ernst, and Claus. 2,721,666.
- Claus, Paul E., to Gaylord Container Corp. 2,700,328, Cl. 93—39.1.
- Clause, Jean, J. Parisot, C. Roos, A. Hilliard, and F. F. Jaray, to Societe le Carbone-Lorraine. 2,721,730, Cl. 257—104.
- Clausen, Andrew J. 2,701,729, Cl. 280—400.
- Clausen, Leon R., to J. I. Case Co. 2,713,762, Cl. 56—364.
- Clausen, Sigurd: *See*—
- Neumair, Joseph A., and Clausen. 2,724,389.
- Clausing, Henry G., to Vulcan Corp. 2,716,248, Cl. 12—136.
- Clausing, Henry G., to Vulcan Corp. 2,716,431, Cl. 144—309.
- Clausing, Henry G., to Vulcan Corp. 2,720,670, Cl. 12—136.
- Clausing, Henry G., to Vulcan Corp. 2,720,671, Cl. 12—136.
- Clausing, Henry G., to Vulcan Corp. 2,726,496, Cl. 51—194.
- Clauson, James H. 2,709,985, Cl. 119—18.
- Clauson-Kaas, Niels K. F. W., to Kemisk Vaerk Koge A/S. 2,709,703, Cl. 260—347.4.
- Clauson-Kaas, Niels K. F. W., to Kemisk Vaerk Koge A/S. 2,726,250, Cl. 260—343.6.
- Clauson-Kaas, Niels K. F. W., to A/S Sadolin & Holmblad. 2,728,775, Cl. 260—297.
- Clauson-Kaas, Niels K. F. W., and F. Limborg, to Sadolin and Holmblad A/S. 2,714,576, Cl. 204—78.
- Clauss, Emil: *See*—
- Benink, Christian J. M., Bungert, Clauss, Meissler, Schumann, and Schuster. 2,704,526.
- Claussen, Wells H. 2,718,889, Cl. 131—4.
- Clavette, Real: *See*—
- Champigny, Patrick. 2,714,914.
- Clavier, Andre G., to International Standard Electric Corp. 2,718,002, Cl. 343—105.
- Clavier, Andre G., and D. L. Thomas, to International Standard Electric Corp. 2,723,378, Cl. 333—9.
- Claxton, Kelly S., Jr.: *See*—
- Woltering, Joseph A., and Claxton. 2,718,687.
- Clay-Adams, Inc.: *See*—
- Geffen, James H. 2,726,549.
- Gilman, Marvin A. 2,728,229.
- Clay, Burton R., to Radio Corp. of America. 2,704,829, Cl. 333—31.
- Clay, Burton R., to Radio Corp. of America. 2,717,323, Cl. 313—77.
- Clay, Eugene O., and G. R. Gehrken, to North American Aviation, Inc. 2,704,387, Cl. 20—69.
- Clay, Franklin B., and R. A. Sahlin, to Remington Arms Co., Inc. 2,709,129, Cl. 52—2.
- Clay, Murray G. 2,707,918, Cl. 102—79.
- Clay, Murray G. 2,708,110, Cl. 267—1.
- Claybourn, Carlton C.: *See*—
- Claybourn, Leslie W. and C. C. 2,699,333.
- Claybourn, Leslie W. and C. C., to L. W. Claybourn, Inc. 2,699,333, Cl. 271—51.
- Claybourn, L. W., Inc.: *See*—
- Claybourn, Leslie W. and C. C. 2,699,333.
- Clayden, David O., to National Research Development Corp. 2,700,155, Cl. 340—347.
- Claypool, Robbins M., and D. M. Best. 2,698,761, Cl. 285—175.
- Clayson, Kenneth D. 2,704,005, Cl. 81—177.
- Clayton, Alfred B., and A. N. Iknayan, to United States Rubber Co. 2,724,424, Cl. 154—9.
- Clayton, Benjamin: *See*—
- Mattikow, Morris, and Perlman. 2,704,764.
- Mattikow, Morris, and Perlman. 2,721,872.
- Clayton Dewandre Co. Ltd.: *See*—
- Edge, Stanley H., and Jeffery. 2,725,073.
- Edge, Stanley H., and Sams. 2,725,119.
- Clayton, Edward L.: *See*—
- Draper, James C., Plummer, and Clayton. 2,704,734.
- Clayton, Erith T.: *See*—
- Potterberg, Rolfe, and Clayton. 2,723,204.
- Clayton, Frank D., Jr.: *See*—
- Paul, Percy S., and Clayton. 2,728,172.
- Clayton, James O.: *See*—
- Woodruff, Richard L., Mulvany, and Clayton. 2,716,087.
- Clayton, James O., E. G. Lindstrom, and F. A. Stuart, to California Research Corp. 2,700,022, Cl. 252—56.
- Clayton Mfg. Co.: *See*—
- Cline, Edwin L. 2,707,877.
- Cline, Edwin L. 2,716,339.
- Clayton, Max L., to Shell Development Co. 2,710,654, Cl. 164—0.7.



- Clayton, Oliver H. 2,714,905, Cl. 143—43.  
 Clayton, Robert E., Jr., and R. M. Thomas, to Standard Oil Development Co. 2,701,221, Cl. 154—46.  
 Clayton, William, 1/2 to M. Covillo. 2,706,661, Cl. 304—5.  
 Clayton, William G., to General Aniline & Film Corp. 2,715,358, Cl. 95—71.  
 Cleaner Pipelines Co.: *See—*  
 Foreman, Charles S. 2,720,893.  
 Cleary, Fred W., to Hughes Aircraft Co. 2,703,382, Cl. 323—19.  
 Cleary, Robert E.: *See—*  
 Gungie, Warren C., and Cleary. 2,728,870.  
 Cleaver-Brooks Co.: *See—*  
 Anderson, Karl V. 2,705,591.  
 Horvath, John F. 2,711,710.  
 Meyer, James R., and Loebel. 2,722,733.  
 Clegg, Samuel E. 2,698,500, Cl. 47—1.  
 Cleiff, Joseph A., to Aluminium Bronze Co. Ltd. 2,715,827, Cl. 68—263.  
 Cleland, James E., and L. R. Shively, to Union Starch & Refining Co. 2,701,768, Cl. 99—148.  
 Clem, Marion E., 2,719,339, Cl. 20—40.5.  
 Clemence, Charles R., T. J. Blachut, and C. J. van der Hoeven, to National Research Council. 2,719,254, Cl. 318—19.  
 Clemens, Clark W., to the United States of America as represented by the Secretary of the Navy. 2,722,188, Cl. 114—20.  
 Clemens, George S. 2,719,006, Cl. 235—78.  
 Clemens, John A., to Davol Rubber Co. 2,720,328, Cl. 215—11.  
 Clemens, John E. 2,707,476, Cl. 135—20.  
 Clemens, Ogden A., Jr.: *See—*  
 Adams, Jack, Hensgen, and Clemens. 2,718,906.  
 Clement, Carrol O. 2,723,780, Cl. 222—127.  
 Clement, Joseph J.: *See—*  
 Wilson, Ashley F., and Clement. 2,717,000.  
 Clement, Joseph J., to Rigidized Metals Corp. 2,706,574, Cl. 220—4.  
 Clement, René, to Compagnie Generale de Telegraphie Sans Fil. 2,721,182, Cl. 252—62.9.  
 Clements, George S.: *See—*  
 Regan, Colston J., Stephenson, and Clements. 2,703,782.  
 Clements, James D. 2,700,096, Cl. 219—21.  
 Clements Mfg. Co.: *See—*  
 Thornwald, Everett D. 2,708,766.  
 Clemmens, Herbert: *See—*  
 Röschlau, Fritz F. C. 2,704,230.  
 Clemons, Ballard H. 2,701,057, Cl. 209—166.  
 Clemson Agricultural College of South Carolina, The: *See—*  
 Brown, Hugh M. 2,713,209.  
 Brown, Hugh M. 2,718,111.  
 Clendenin, Joseph, Jr. 2,709,813, Cl. 2—130.  
 Clendenning, Thomas A. 2,714,795, Cl. 56—314.  
 Clentimack, George E., to Draper Corp. 2,720,094, Cl. 66—86.  
 Cleon Products, Inc.: *See—*  
 Davies, Richard E. 2,703,851.  
 Clerk, Edouard. 2,719,341, Cl. 20—56.5.  
 Cleveland Aero Products, Inc., The: *See—*  
 Harwood, John E., Jr. 2,701,714.  
 Cleveland Cleaner & Paste Co.: *See—*  
 Gilbert, Frank U. S., and Harrison. 2,705,584.  
 Gilbert, Frank U. S., Harrison, and Kruse. 2,713,959.  
 Harrison, Joseph, Jr., and Gilbert. 2,699,246.  
 Cleveland Crane & Engineering Co., The: *See—*  
 Anjeskey, Alphonse F., and Cotesworth. 2,700,705.  
 Cleveland Electrical Equipment Co., Inc.: *See—*  
 Applegate, Robert B. 2,714,174.  
 Hunsdorf, William P. 2,718,359.  
 Cleveland, Frank A., II, to Lockheed Aircraft Corp. 2,707,372, Cl. 60—35.6.  
 Cleveland Heater Co., The: *See—*  
 Craver, Albert F. 2,710,833.  
 Cleveland Hobbing Machine Co., The: *See—*  
 Staples, Otis E. 2,701,495.  
 Staples, Otis E., and Bent. 2,700,324.  
 Cleveland Industrial Research, Inc.: *See—*  
 Miller, Clark O. 2,700,004.  
 Miller, Clark O. 2,720,472.  
 Cleveland Instrument Co.: *See—*  
 Graham, Erwin W. 2,717,449.  
 Cleveland Pneumatic Tool Co., The: *See—*  
 Bourassa, Hugues A., and Hogan. 2,718,165.  
 Clark, John S. 2,718,286.  
 Hogan, Walter H. 2,715,341.  
 Hogan, Walter H. 2,723,847.  
 Jungles, Robert N. 2,710,085.  
 Nye, Benjamin E., and Smith. 2,698,751.  
 Smith, Ira D. 2,710,237.  
 Cleveland Precision Ring & Products Co.: *See—*  
 Sheppard, Will E. 2,721,921.  
 Cleveland, Robert C., to Corning Glass Works. 2,716,023, Cl. 259—6.  
 Cleveland Rock Drill Division, Westinghouse Air Brake Co.: *See—*  
 Feucht, Jacob E. 2,726,065.  
 Cleveland Shopping News Co., The: *See—*  
 Coven, Lee F. 2,714,242.  
 Cleveland Trust Co., The: *See—*  
 Heintz, James C. 2,708,776.  
 Heintz, James C. 2,718,571.  
 Cleveland Welding Co., The: *See—*  
 Mueller, Homer L. 2,710,207.  
 Clevenger, Walton S., and J. S. and S. G. Cohen. 2,728,317, Cl. 113—44.  
 Clevett, Merton L., Jr., to the United States of America as represented by the Secretary of the Army. 2,712,864, Cl. 189—90.  
 Clevite Corp.: *See—*  
 Baerwald, Hans G. 2,719,928.  
 Begun, Semi J. 2,722,676.  
 Begun, Semi J., and Dank. 2,708,694.  
 Brajer, Edwin J. 2,708,243.  
 Brown, Arling D., Jr. 2,719,929.  
 Hamlin, Halley H. 2,727,336.  
 Kornei, Otto. 2,704,789.  
 Kornei, Otto. 2,711,945.  
 Langevin, Robert A., and Gschwind. 2,725,506.  
 Schaefer, Ralph A., and Morrison. 2,715,252.  
 Szegvari, Andrew. 2,719,009.  
 Williams, Alfred L. W. 2,710,191.  
 Clewell, Dayton H., to Socony-Vacuum Oil Co., Inc. 2,706,805, Cl. 340—17.  
 Clickner, Earle D., to Shakespeare Co. 2,705,601, Cl. 242—84.1.  
 Clifford, Bess S.: *See—*  
 Walton, Richard R., and Clifford. 2,708,303.  
 Clifford, Oliver C., Jr., to The Atlantic Refining Co. 2,703,144, Cl. 166—115.  
 Clifford, Walter B.: *See—*  
 Walton, Richard R., and Clifford. 2,708,303.  
 Clift, Gilbert B.: *See—*  
 McGay, John B., and Clift. 2,716,860.  
 Clifton, Chester C., to The Acorn Co. 2,713,179, Cl. 16—47.  
 Clifton, John R., to Northrop Aircraft, Inc. 2,721,714, Cl. 244—85.  
 Clifton, Richard N., M. V. Waters, and P. F. Ochotschinsky, to The Cincinnati Milling Machine Co. 2,728,268, Cl. 90—15.  
 Cline, Delbert G., to H. & A. Selmer, Inc. 2,713,804, Cl. 84—174.  
 Cline, Edwin L., to Clayton Mfg. Co. 2,707,877, Cl. 73—117.  
 Cline, Edwin L., to Clayton Mfg. Co. 2,716,339, Cl. 73—117.  
 Cline Electric Mfg. Co.: *See—*  
 Behr, Herbert R., and Rhyne. 2,719,255.  
 Paasche, Jens A. 2,728,238.  
 Rhyne, Earl C., Jr. 2,722,643.  
 Rhyne, Earl C., Jr., and Behr. 2,722,646.  
 Rhyne, Earl C., Jr., and Sandgren. 2,707,260.  
 Cline, Harold H. 2,706,966, Cl. 119—74.  
 Cline, John L. 2,725,635, Cl. 33—50.  
 Cline, Murtha K. 2,714,464, Cl. 220—1.  
 Cline, Orville. 2,702,492, Cl. 88—29.  
 Cline, Theodore B. 2,706,093, Cl. 242—63.  
 Cline, Theodore B., and R. J. Tepe. 2,725,591, Cl. 17—1.  
 Cline, William B., and E. K. Lotthammer; said Lotthammer assor. to said Cline. 2,702,954, Cl. 40—70.  
 Clinton Foods Inc.: *See—*  
 Fetzer, Walter R., and Hamilton. 2,720,465.  
 Schroeder, Simon E. 2,710,565.  
 Schroeder, Simon E. 2,723,602.  
 Clinton Machine Co.: *See—*  
 Agar, Kenneth C. 2,717,150.  
 Thomas, Donald. 2,718,581.  
 Clinton, Raymond O., and S. C. Laskowski, to Sterling Drug Inc. 2,727,039, Cl. 260—294.3.  
 Clinton, Raymond O., and S. C. Laskowski, to Sterling Drug Inc. 2,727,040, Cl. 260—294.3.  
 Clipfell, Perry E. 2,716,560, Cl. 280—142.  
 Clipson, Samuel. 2,728,681, Cl. 106—97.  
 Clock, Charles A. 2,702,160, Cl. 236—92.  
 Clogston, Albert M., to Bell Telephone Laboratories, Inc. 2,726,328, Cl. 250—27.  
 Close, Charles F., to Arlington Seating Co. 2,728,480, Cl. 220—4.  
 Closs, George M., to Sun Oil Co. 2,699,970, Cl. 302—17.  
 Closson, Rex D.: *See—*  
 Wolf, Calvin N., Closson, and Ligett. 2,726,981.  
 Closson, Rex D., A. J. Kolka, and W. B. Ligett, to Ethyl Corp. 2,728,802, Cl. 260—668.  
 Cloud, William S.: *See—*  
 Hosack, Gerald C. 2,700,094.  
 Clough, Alfred N. 2,712,477, Cl. 308—16.  
 Clough, Allen L.: *See—*  
 Salvatore, Joseph A., and Clough. 2,721,604.  
 Clough, Carroll C. 2,701,023, Cl. 180—53.  
 Clough, Harry, to Imperial Chemical Industries Ltd. 2,709,193, Cl. 260—672.  
 Clough, Harry, to Imperial Chemical Industries Ltd. 2,709,194, Cl. 260—672.  
 Clough, Owen A. 2,717,468, Cl. 43—42.51.  
 Clough, Philip J., and P. Godley, 2nd, to National Research Corp. 2,703,334, Cl. 13—22.  
 Clough, Philip J., and J. H. Moore, to National Research Corp. 2,719,094, Cl. 117—22.  
 Clough, Robert E., to Automatic Transmissions Ltd. 2,719,621, Cl. 192—87.  
 Cloutier, George D., to Eversharp, Inc. 2,718,051, Cl. 29—441.  
 Cloutier, Joseph A., to Pepperell Mfg. Co. 2,726,611, Cl. 112—63.  
 Cloyd, Harold S.: *See—*  
 Roehrl, Bruno C., and Cloyd. 2,726,482.  
 Cluett, Peabody & Co., Inc.: *See—*  
 Cluett, Sanford L., and Schreiner. 2,721,370.  
 Fetscher, Charles A. 2,704,729.  
 Macrides, Philip C. 2,727,243.  
 Cluett, Sanford L., and G. A. Schreiner, to Cluett, Peabody & Co., Inc. 2,721,370, Cl. 26—18.6.



- Clute, David G. 2,699,301, Cl. 244—77.  
 Clutter, Carl E., T. E. Dugle, M. Field, and F. M. Foster, to Metcut Research Associates. 2,723,507, Cl. 51—143.  
 Clutz, Charles W.: *See*—  
   McLeod, John H., and Clutz. 2,706,666.  
 Cluwen, Johannes M.: *See*—  
   Van Urk, Arend T., and Cluwen. 2,724,075.  
 Cluwen, Johannes M. A. R., G. W. Rathenau, and J. Smit, to Hartford National Bank & Trust Co. 2,722,617, Cl. 310—103.  
 Cly-Del Mfg. Co.: *See*—  
   Tuttle, Spencer C., and Garthwait. 2,722,005.  
 Coakley, Gerald N. 2,723,905, Cl. 23—272.  
 Coanda, Henri. 2,699,644, Cl. 60—35.5.  
 Coanda, Henri, to Sebac Nouvelle S. A. 2,713,510, Cl. 299—86.  
 Coanda, Henri, to Ste. Sebac Nouvelle, S. A. 2,720,425, Cl. 302—63.  
 Coar, Richard J., to United Aircraft Corp. 2,715,311, Cl. 60—35.6.  
 Coast Metals, Inc.: *See*—  
   Cape, Arthur T. 2,708,641.  
 Coates, Harold, W. H. Hunter, S. Mallet, and B. Topley, to the Minister of Supply, in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. 2,712,546, Cl. 260—448.  
 Coates, J. Edwin, to Douglas Aircraft Co., Inc. 2,723,699, Cl. 151—7.  
 Coates, Norman: *See*—  
   Gilbert, Charles. 2,699,574.  
   Gilbert, Charles E. 2,700,206.  
   Gilbert, Charles E. 2,723,327.  
   Gilbert, Charles E. and M. D., and Coates. 2,721,985.  
 Coats & Clark Inc.: *See*—  
   Guenther, Harry W. 2,698,817.  
   Rhodes, Robert P., Jr. 2,715,079.  
 Coats, Robert R., to Imperial Chemical Industries Ltd. 2,701,266, Cl. 260—674.  
 Coats, Robert R., and D. W. Ingram, to Imperial Chemical Industries Ltd. 2,705,248, Cl. 260—668.  
 Cobb, Clarence C.: *See*—  
   Behn, Albert W., and Cobb. 2,726,379.  
 Cobb, Clifton A., to Penn Controls, Inc. 2,704,648, Cl. 251—61.  
 Cobb, Coleman H.: *See*—  
   Merrill, Frank C., and Cobb. 2,708,707.  
 Cobb, Leland D., to General Motors Corp. 2,706,123, Cl. 286—5.  
 Cobb, Leland D., to General Motors Corp. 2,723,869, Cl. 286—11.  
 Coben, William S.: *See*—  
   King, Frank S., and Coben. 2,713,371.  
 Coberly, Clarence J., to Kobe, Inc. 2,703,585, Cl. 137—622.  
 Cobert, Arthur J., 50% to Beautiful Bryans, Inc. 2,710,528, Cl. 66—110.  
 Cobey Corp., The: *See*—  
   Witwer, Wallace J. 2,719,727.  
   Witwer, Wallace J. 2,727,346.  
 Coble, John D. and L. G. 2,725,234, Cl. 273—157.  
 Coble, Lois G.: *See*—  
   Coble, John D. and L. G. 2,725,234.  
 Cocanower, Glenn M.: *See*—  
   Daily, Arthur M., and Cocanower. 2,705,749.  
 Cocchiarella, Otell M.: *See*—  
   Smith, Edmund G., and Cocchiarella. 2,725,144.  
 Cocco, Michael. 2,728,099, Cl. 15—245.  
 Cochard, Jean M. 2,703,740, Cl. 311—66.  
 Cochran, Clarence W., to United-Carr Fastener Corp. 2,712,120, Cl. 339—128.  
 Cochran, Donald S., to Stanley G. Flagg & Co., Inc. 2,712,207, Cl. 51—204.  
 Cochran, John K., to The Duplan Corp. 2,720,075, Cl. 57—130.  
 Cochran, Walter M., and J. Carter, to The Glidden Co. 2,708,634, Cl. 99—128.  
 Cochran, Walter M., and R. F. McGee, to The Glidden Co. 2,726,158, Cl. 99—118.  
 Cochran Corp.: *See*—  
   Robinson, Merrill P. 2,723,755.  
   Sebald, Joseph F. 2,723,955.  
   Williams, John G. 2,713,556.  
 Cockburn, Donald: *See*—  
   Rhee, Daniel, and Cockburn. 2,703,436.  
 Cocker Machine & Foundry Co.: *See*—  
   Groce, Homer W. 2,723,441.  
 Cockrell, Jesse S. 2,716,772, Cl. 15—306.  
 Cockrell, William S., and D. L. Heyser, to The Ryan Aeronautical Co. 2,717,948, Cl. 219—8.  
 Cockshutt Farm Equipment, Ltd.: *See*—  
   Collier, Everett P. 2,705,649.  
   Harper, Wesley A. 2,711,903.  
 Coddington, E. D., Mfg. Co.: *See*—  
   Kerler, Ernest A. 2,720,377.  
 Coder, Fred T., and E. G. Kutzelman, to Western Electric Co., Inc. 2,716,479, Cl. 198—19.  
 Codichini, Joseph J., R. W. Benson, and C. R. Mayo, to The Haloid Co. 2,701,765, Cl. 95—1.9.  
 Codney, Arthur O.: *See*—  
   Fankboner, Harvey O., and Codney. 2,700,299.  
 Codrick, Thomas H. 2,716,993, Cl. 135—4.  
 Cody, Benjamin L., to Allis-Chalmers Mfg. Co. 2,728,146, Cl. 34—109.  
 Cody, Chester A. 2,705,168, Cl. 296—44.  
 Cody, William P., to Alkydol Laboratories, Inc. 2,720,500, Cl. 260—47.  
 Coe, Herring. 2,700,846, Cl. 46—120.  
 Coe, Merrill J.: *See*—  
   Buttery, Kenneth T., and Coe. 2,727,620.  
 Coe, William G., to McGraw Electric Co. 2,698,888, Cl. 200—92.  
 Coe, William G., to McGraw Electric Co. 2,698,916, Cl. 317—141.  
 Coen Co., The: *See*—  
   Voorheis, Joseph T. 2,701,660.  
 Coenders, August. 2,704,446, Cl. 67—7.1.  
 Coes, Loring, Jr., to Norton Co. 2,725,286, Cl. 51—298.  
 Cofer, Virgil. 2,705,393, Cl. 56—25.4.  
 Coffey, Charles D., to Minneapolis-Honeywell Regulator Co. 2,724,409, Cl. 137—628.  
 Coffey, Irven E., and G. R. Ericson. 2,725,864, Cl. 123—179.  
 Coffey, Jule H., to Rain Bird Sprinkler Mfg. Corp. 2,702,048, Cl. 137—505.13.  
 Coffey, Mendel E. 2,722,820, Cl. 70—133.  
 Coffey, William N., to General Electric Co. 2,713,651, Cl. 315—27.  
 Coffin, Francis P., Jr., to the United States of America as represented by the Secretary of the Navy. 2,716,208, Cl. 318—19.  
 Coffin, Joseph G.: *See*—  
   De Ganahl, Carl, Coffin, and Basch. 2,710,136.  
 Coffin, Robert S. 2,724,361, Cl. 116—129.  
 Coffing, Fredrick W., to Coffing Hoist Co., Inc. 2,706,318, Cl. 24—241.  
 Coffing Hoist Co., Inc.: *See*—  
   Coffing, Fredrick W. 2,706,318.  
 Coffman, Alden W., and D. S. Hubbell, to H. H. Robertson Co. 2,714,246, Cl. 29—195.  
 Coffman, Alden W., and D. S. Hubbell, to H. H. Robertson Co. 2,724,177, Cl. 29—472.9.  
 Coffman, Donald D., and M. W. Farlow, to E. I. du Pont de Nemours & Co. 2,728,777, Cl. 260—309.5.  
 Coffman, Paul A., Jr., to B-I-F Industries, Inc. 2,720,698, Cl. 30—296.  
 Coffman, Robert S., to Black, Sivalls & Bryson, Inc. 2,701,075, Cl. 220—89.  
 Cofield, Eugene P., Jr., and F. Seech, to Scripto, Inc. 2,715,388, Cl. 120—42.4.  
 Cogan, Myles H. R., to Shell Development Co. 2,711,308, Cl. 261—113.  
 Cogan, Ronald J. 2,714,845, Cl. 95—75.  
 Coggins, Robert W.: *See*—  
   De Young, Charles E., and Coggins. 2,711,826.  
 Coghan, Charles A., to The Texas Co. 2,698,782, Cl. 44—80.  
 Cogovan, Edward J., to Mohawk Carpet Mills, Inc. 2,706,324, Cl. 28—72.2.  
 Cogsdill, Stuart A., to Cogsdill Twist Drill Co., Inc. 2,710,549, Cl. 77—73.5.  
 Cogsdill, Stuart A., and W. D. Walters, to Cogsdill Tool Products Inc. 2,716,360, Cl. 77—73.5.  
 Cogsdill Tool Products Inc.: *See*—  
   Cogsdill, Stuart A., and Walters. 2,716,360.  
 Cogsdill Twist Drill Co., Inc.: *See*—  
   Cogsdill, Stuart A. 2,710,549.  
 Cohan, Marvin M. 2,719,360, Cl. 33—174.  
 Cohen, Albert K.: *See*—  
   Mason, Frank N. 2,709,259.  
 Cohen, Alfred G.: *See*—  
   Pereira, Humberto. 2,724,396.  
 Cohen, Arnold A.: *See*—  
   Burrell, Warren P., Cohen, and Hardenbergh. 2,718,356.  
 Cohen, Arthur M. 2,707,735, Cl. 200—104.  
 Cohen, Charles A.: *See*—  
   Mikeska, Louis A., and Cohen. 2,716,088.  
 Cohen, Charles A., and L. A. Mikeska, to Esso Research and Engineering Co. 2,716,662, Cl. 260—514.  
 Cohen, Charles L., to ACF Industries, Inc. 2,728,882, Cl. 318—19.  
 Cohen, David, to General Electric Co. 2,728,428, Cl. 192—4.  
 Cohen, Isaac Z. and S. C.; said I. Z. Cohen assor. to Z. and L. Z. Cohen; said S. C. Cohen assor. to M. B. Cohen. 2,712,915, Cl. 248—48.2.  
 Cohen, Isadore R., to Commercial Solvents Corp. 2,723,216, Cl. 167—65.  
 Cohen, Joel S.: *See*—  
   Clevenger, Walton S., and J. S. and S. G. Cohen. 2,728,317.  
 Cohen, Leonard. 2,718,462, Cl. 44—7.  
 Cohen, Lillian Z.: *See*—  
   Cohen, Isaac Z. and S. C. 2,712,915.  
 Cohen, Marvin D.: *See*—  
   Cohen, Meyer. 2,702,433.  
 Cohen, Maurice. 2,701,646, Cl. 211—165.  
 Cohen, Merrill, and J. R. Ladd, to General Electric Co. 2,716,638, Cl. 260—46.5.  
 Cohen, Meyer, 36% to M. D. Cohen. 2,702,433, Cl. 34—37.  
 Cohen, Mignon B.: *See*—  
   Cohen, Isaac Z. and S. C. 2,712,915.  
 Cohen, Milton J., to Miljam Instrument Corp. 2,708,438, Cl. 128—220.  
 Cohen, Oscar P.: *See*—  
   Powers, Donald H., and Cohen. 2,723,213.  
 Cohen, Oscar P., to Monsanto Chemical Company. 2,715,078, Cl. 117—56.  
 Cohen, Oscar P., to Monsanto Chemical Co. 2,727,004, Cl. 252—8.75.  
 Cohen, Oscar P., and M. J. Scott, to Monsanto Chemical Co. 2,700,001, Cl. 117—47.  
 Cohen, Robert M., and H. J. Prager, to Radio Corp. of America. 2,721,951, Cl. 313—239.



- Cohen, Sanders G.: *See*—  
Clevenger, Walton S., and J. S. and S. G. Cohen. 2,728,317.
- Cohen, Sidney C.: *See*—  
Cohen, Isaac Z. and S. C. 2,712,915.
- Cohen, Sylvan I.: *See*—  
Shibe, William J., Jr., Cohen, and Frant. 2,725,326.
- Cohen, William, to Hilton Tool and Machine Co. 2,701,082. Cl. 223—85.
- Cohen, Zara: *See*—  
Cohen, Isaac Z. and S. C. 2,712,915.
- Cohn, Charles C. 2,715,095, Cl. 204—23.
- Cohn, Eugene: *See*—  
Cohn, Samuel, Walter, and Cohn. 2,700,543.
- Cohn, Eugene. 2,699,518, Cl. 313—300.
- Cohn, Irene M.: *See*—  
Lincoln, James, Cohn, and Groombridge. 2,723,266.
- Cohn, Irwin. 2,700,247, Cl. 46—118.
- Cohn, Johann G.: *See*—  
Rosenblatt, Edgar F., and Cohn. 2,719,797.
- Cohn, Johan G., to Baker & Co., Inc. 2,708,252, Cl. 317—83.
- Cohn, Johan G., to Baker & Co., Inc. 2,708,253, Cl. 317—83.
- Cohn, Samuel, J. G. Walter, and E. Cohn, to Samcoe Holding Corp. 2,700,543, Cl. 270—79.
- Cohn, Seymour B., to Sperry Rand Corp. 2,723,377, Cl. 333—6.
- Coker, Gerald C., to Donald Healey Motor Co. Ltd. 2,716,041, Cl. 296—84.
- Colbeck, Albert G. A., and F. G. Thorpe, to The Morgan Crucible Co. Ltd. 2,718,748, Cl. 57—125.
- Colborne Mfg. Co.: *See*—  
Kaser, William J. 2,703,059.  
Smith, Dennis W. 2,721,002.
- Colby, Norman R., and G. F. Hershey, to The Dow Chemical Co. 2,699,576, Cl. 18—47.2.
- Colby, Edward P. 2,727,327, Cl. 41—21.
- Colby, George W. 2,725,884, Cl. 131—232.
- Colby, Jesse L. 2,705,443, Cl. 93—33.
- Colby, Roy L., Jr.: *See*—  
Collins, Tappan, Colby, and Roudoy. 2,705,910.
- Colchester, Christopher D., and R. Green, to Marconi's Wireless Telegraph Co., Ltd. 2,715,660, Cl. 179—171.
- Cold Forming Mfg. Co., The: *See*—  
Egan, Francis J. 2,715,232.
- Cold Metal Products Co., The: *See*—  
Lockwood, William B. 2,706,422.
- Coldcargo Corp.: *See*—  
Morrison, Charles T. F. 2,702,183.
- Cole, David F., to International Business Machines Corp. 2,724,233, Cl. 58—35.
- Cole, Edward H. 2,723,392, Cl. 1—3.
- Cole, Edward L.: *See*—  
Hencke, William R., and Cole. 2,714,168.
- Cole, Edward N., to General Motors Corp. 2,700,562, Cl. 286—11.
- Cole Engineering Corp.: *See*—  
Waite, Edwin P. 2,727,280.
- Cole, Everett L. 2,704,171, Cl. 222—148.
- Cole, George G.: *See*—  
Halliday, John, and Cole. 2,723,723.
- Cole, Gordon E., Jr., to Air Reduction Co., Inc. 2,719,181, Cl. 260—652.5.
- Cole, Howard W., Jr., and D. L. Olson, to said Olson. 2,707,972, Cl. 138—60.
- Cole, James D., to The Lamb Electric Co. 2,713,455, Cl. 230—117.
- Cole, Manny E. 2,703,580, Cl. 134—58.
- Cole, Norman: *See*—  
Gratian, Joseph W., and Cole. 2,725,430.
- Cole, Paul M., to E. I. du Pont de Nemours & Co. 2,713,784, Cl. 68—181.
- Cole, Raymond S., and J. A. Gilder. 2,719,538, Cl. 137—630.14.
- Cole, Robert M., to Chemical Elaborations, Inc. 2,706,739, Cl. 260—593.
- Cole, Robert M., to Chemical Elaborations, Inc. 2,717,262, Cl. 260—468.
- Cole, Thomas M., and P. M. Christensen, to Federal Electric Products Co. 2,700,713, Cl. 200—116.
- Cole, William T., to The Canton Cast Products Co. 2,698,752, Cl. 267—72.
- Coleman, Clive L. 2,728,573, Cl. 272—36.
- Coleman Co., Inc.: *See*—  
Coleman, William C. 2,701,103.  
Goodgion, James C. 2,715,373.  
Grubb, Roderic. 2,699,819.  
Kice, Jack W. 2,705,973.
- Coleman, Edgar P. 2,713,504, Cl. 286—11.
- Coleman, Harold M., and E. W. Hopkins, to Armour and Co. 2,711,373, Cl. 99—107.
- Coleman, Homer W., to Hercules Powder Co. 2,725,821, Cl. 102—22.
- Coleman Instruments, Inc.: *See*—  
Staunton, John J. J. 2,726,670.
- Coleman, John H., to Radiation Research Corp. 2,701,319, Cl. 313—69.
- Coleman, John H., to Radio Corp. of America. 2,727,987, Cl. 250—27.
- Coleman, Joseph J., to Burgess Battery Co. 2,708,685, Cl. 136—124.
- Coleman, Kenneth R.: *See*—  
Reason, Richard E., Adams, and Coleman. 2,724,987.
- Coleman, Lillye M. 2,712,133, Cl. 2—69.
- Coleman, Marvin W. 2,708,463, Cl. 143—6.
- Coleman, Orville K., to Duncan Electric Mfg. Co. 2,701,859, Cl. 324—74.
- Coleman, Sidney, to Van Brode Milling Co., Inc. 2,710,660, Cl. 180—68.5.
- Coleman, William C., to The Coleman Co., Inc. 2,701,103, Cl. 237—48.
- Coleman, William E., to United States Steel Corp. 2,701,356, Cl. 340—259.
- Colendar, Frederick J., to Sloan Valve Co. 2,700,773, Cl. 4—1.
- Coler, Myron A., and A. S. Louis; said Louis assor. to said Coler. 2,700,719, Cl. 201—55.
- Coles, Donald K.: *See*—  
Longini, Richard L., and Coles. 2,727,118.
- Coles, Robert F.: *See*—  
Tulagin, Vsevolod, and Coles. 2,717,831.
- Coles, James F. 2,725,587, Cl. 15—313.
- Coles, Thomas M. 2,715,742, Cl. 15—105.
- Coletta, John B. 2,724,032, Cl. 200—172.
- Coley, Nelson B., to General Railway Signal Co. 2,724,063, Cl. 310—39.
- Colfax Associates: *See*—  
Kusiv, James J. 2,717,751.
- Col-Flake Corp.: *See*—  
Lees, Gerald M. 2,712,734.
- Colgate-Palmolive Co.: *See*—  
Andrews, Herbert W., and Monick. 2,710,250.  
Gebhart, Arthur I., and Krems. 2,721,847.  
Heald, Robert F. 2,704,279.  
Malkemus, John D. 2,717,878.  
McGhie, Russell P., and Schneider. 2,715,481.  
Miles, Gilbert D. 2,707,930.  
Richardson, Earl L. 2,719,129.  
Ross, John. 2,708,183.  
Sylvester, Herbert S. 2,706,180.  
Trowbridge, James R., II. 2,704,280.  
Tundermann, Werner O. 2,706,179.
- Colicci, Donato C. D. 2,722,743, Cl. 30—284.
- Colin, Jules, and R. Berthon, to Etablissement public dit: Mines Domaniales de Potasse d'Alsace. 2,702,121, Cl. 209—166.
- Colliz, James T., to United States Instrument Corp. 2,709,734, Cl. 200—144.
- Coll, Archie L. 2,710,682, Cl. 198—20.
- Collar, Frank R., and J. C. Mitchell, to Adams Rite Mfg. Co. 2,712,464, Cl. 292—128.
- Collard, John, to Electric & Musical Industries Ltd. 2,702,886, Cl. 333—98.
- Collard, Lewis L.: *See*—  
Collard, William F., Sr., and L. L. Collard. 2,707,082.
- Collard, William F.: *See*—  
Collard, William F., Sr., and L. L. Collard. 2,707,082.
- Collard, William F., Sr., and L. L. Collard, deceased (by W. F. Collard, administrator). 2,707,082, Cl. 242—72.
- Collet, Pierre D.: *See*—  
Larivé, Henri, and Collet. 2,708,669.
- Collett, Charles H., to J. B. Nelson. 2,710,655, Cl. 166—115.
- Collier, Everett P., to Cockshutt Farm Equipment, Ltd. 2,705,649, Cl. 280—504.
- Collier, Kenneth J. 2,702,204, Cl. 292—169.
- Collier, Oran W.: *See*—  
Lutz, Irvin H., Collier, and Bellman. 2,717,231.
- Collier, Thomas S., Sr. 2,700,961, Cl. 121—122.
- Collignon, Norman G. 2,726,692, Cl. 144—253.
- Collin, C. Victor: *See*—  
Schierman, Samuel. 2,723,864.
- Colling, Robert E.: *See*—  
Guerra, John P., and Colling. 2,722,403.
- Collings, William R., to Dow Corning Corp. 2,708,289, Cl. 18—57.
- Collins & Aikman Corp.: *See*—  
Keen, William R. 2,706,883.
- Collins, Arthur E., to The Barr Rubber Products Co. 2,717,691, Cl. 206—45.33.
- Collins, Arthur L. 2,718,717, Cl. 37—61.
- Collins, Arthur R., F. A. Ryder, and R. D. Randall, to Stewart-Warner Corp. 2,699,292, Cl. 236—68.
- Collins, Arthur R., F. A. Ryder, and R. D. Randall, to Stewart-Warner Corp. 2,707,217, Cl. 200—142.
- Collins, Charles V. 2,717,934, Cl. 200—84.
- Collins, Clifford H., and F. J. Pommer, to Harman and Collins, Inc. 2,718,564, Cl. 200—21.
- Collins, Don F., to Adamson United Co. 2,718,029, Cl. 18—17.
- Collins, Don F., and F. L. Dawes, to Adamson United Co. 2,718,030, Cl. 18—17.
- Collins, Flossie L. 2,703,931, Cl. 33—2.
- Collins, Fred D. 2,716,170, Cl. 200—61.63.
- Collins, Fred V., to W. F. Stahl. 2,721,267, Cl. 250—36.
- Collins, George E.: *See*—  
Chadwick, George E., Collins, and Roff. 2,725,323.
- Collins, George T., to British Industrial Plastics Ltd. 2,727,973, Cl. 219—20.
- Collins, Howard A.: *See*—  
Greiner, Charles J., and Collins. 2,710,007.
- Collins, Howard W., to Owens-Corning Fiberglas Corp. 2,723,705, Cl. 154—17.
- Collins, John A.: *See*—  
Wheeler, Benjamin F., Norton, and Collins. 2,706,286.
- Collins, John A., to Radio Corp. of America. 2,713,157, Cl. 340—213.
- Collins, Kenneth H.: *See*—  
Wright, William B., Jr., Smith, and Collins. 2,715,644.
- Collins, Lowell J. 2,723,110, Cl. 259—110.
- Collins, Martin M. 2,702,328, Cl. 200—61.53.



- Collins, Neil R.: *See*—  
Clarke, Robert E., and Collins. 2,703,748.
- Collins Radio Co.: *See*—  
Babcock, Dean F. 2,709,243.  
Beldt, Lauren F., and Lewis. 2,716,896.  
Berwin, Ted W. 2,713,084.  
Briggs, John G. 2,702,852.  
Broadhead, Samuel L., Jr. 2,704,324.  
Bruene, Warren B. 2,717,371.  
Campbell, Robert L. 2,712,753.  
Carney, Charles S., and Fritze. 2,706,080.  
Countis, Thomas J. 2,719,084.  
Craiglow, Robert L. 2,727,296.  
Doelz, Melvin L. 2,710,943.  
Doelz, Melvin L. 2,717,361.  
Finger, Paul R. 2,728,029.  
Fritze, Edgar H. 2,710,962.  
Haerther, Lester W. 2,727,372.  
Hepperle, Curtis M. 2,724,112.  
Hileman, Dale L. 2,717,345.  
Hodgin, David M., and Miffin. 2,717,364.  
Hubbard, Merle R. 2,717,363.  
Johnson, Frederick, and Morrison. 2,704,310.  
Lasho, Clarence E., Jr. 2,702,891.  
Luecking, Walter C. 2,710,935.  
Marnier, Gene R. 2,723,800.  
Miffin, Leo. 2,728,235.  
Muckler, Jack B. 2,719,279.  
Pierce, Roger J. 2,710,959.  
Price, George W. 2,717,360.  
Ringo, Richard M. 2,701,327.  
Smith, Roy A. 2,716,887.  
Stanley, Lamont C. 2,715,998.  
Stewart, Clyde. 2,724,115.  
Wallace, Frank C. 2,715,802.  
Wallace, Frank C. 2,716,178.  
Wirkler, Walter H. 2,715,995.  
Wulfsberg Arthur H. 2,716,897.
- Collins, Ralph D.: *See*—  
Bellett, Ettie B. 2,711,541.
- Collins, Ralph D., to Koiled Kords Inc. 2,723,381, Cl. 339—61.
- Collins, Robert F. 2,726,750, Cl. 198—7.
- Collins, Samuel C., to Arthur D. Little, Inc. 2,716,333, Cl. 62—123.
- Collins, Samuel V. Re. 23,963, Cl. 61—72.
- Collins, Samuel V. 2,709,491, Cl. 164—43.
- Collins, Tappan, to National Steel Corp. 2,717,060, Cl. 189—1.
- Collins, Tappan, to National Steel Corp. 2,718,289, Cl. 189—34.
- Collins, Tappan, R. L. Colby, Jr., and V. A. Roudoy, to National Steel Corp. 2,705,910, Cl. 98—56.
- Collins, William B. 2,722,279, Cl. 166—147.
- Collis, Dan E., and P. A. Auringer. 2,728,460, Cl. 210—170.
- Collis, David R.: *See*—  
Blomberg, Eric W., and Collis. 2,709,300.
- Colliva, Dante, to Società Alessandro Calzoni. 2,725,797, Cl. 92—66.
- Collom, Cletus J., to Weltronic Co. 2,710,326, Cl. 219—4.
- Colls, John A., to Southern Instruments Ltd. 2,709,205, Cl. 179—171.
- Collura, Francesco, to The Winsted Hardware Mfg. Co. 2,707,741, Cl. 200—166.
- Collura, Francesco, to The Winsted Hardware Mfg. Co. 2,708,227, Cl. 200—154.
- Collura, Francesco, to The Winsted Hardware Mfg. Co. 2,719,238, Cl. 310—68.
- Colm, Jack J. 2,717,603, Cl. 128—360.
- Colman, Benjamin W.: *See*—  
Young, Julius, and Colman. 2,724,959.  
Young, Julius, and Colman. 2,728,670.  
Young, Julius, and Colman. 2,728,671.  
Young, Julius, and Colman. 2,728,672.
- Colman, Benjamin W. 2,728,677, Cl. 99—180.
- Colmerauer, Andrew J.,  $\frac{1}{4}$  each to M. E. Colmerauer, L. T. and E. C. Langer. 2,727,607, Cl. 192—61.
- Colmerauer, Mary E.: *See*—  
Colmerauer, Andrew J. 2,727,607.
- Colmol Co., The: *See*—  
Snyder, Clifford H., and Hill. 2,702,698.  
Snyder, Clifford H., and Turner. 2,702,712.
- Colombo, Winifred M.: *See*—  
Dootson, Norman L. 2,701,593.
- Colonial Broach Co.: *See*—  
Abbott, Olney J., Jr. 2,711,674.
- Colonial Press, Inc., The: *See*—  
Rowland, Walter P., and Martin. 2,719,392.
- Colonna, Angelo. 2,725,575, Cl. 4—76.
- Colonna, John O. 2,705,407, Cl. 62—124.
- Colorado Dry Concentrator Co.: *See*—  
Brown, Harold. 2,718,306.
- Colorado Iron Works Co.: *See*—  
Meisel, George M., Kautz, and Hupp. 2,701,742.
- Colotrym Co.: *See*—  
Torrence, George R. 2,705,820.
- Colpo, Jesse. 2,714,018, Cl. 280—438.
- Colson Corp., The: *See*—  
Davis, Arthur F. 2,704,682.
- Colston, Charles B., to The Hoover Co. 2,727,379, Cl. 68—53.
- Colt, Rutger B., to Bendix Aviation Corp. 2,703,746, Cl. 346—140.
- Colt, Rutger B., to Bendix Aviation Corp. 2,708,256, Cl. 318—6.
- Coltman, John W., to Westinghouse Electric Corp. 2,719,241, Cl. 313—65.
- Coltman, John W., to Westinghouse Electric Corp. 2,727,153, Cl. 250—49.5.
- Colton, Arthur, Co., Division of Snyder Tool and Engineering Co.: *See*—  
Kazmierczak, Walter S., and Gajda. 2,715,489.
- Colton, Frank B., to G. D. Searle & Co. 2,702,811, Cl. 260—397.45.
- Colton, Frank B., to G. D. Searle & Co. 2,704,768, Cl. 260—397.47.
- Colton, Frank B., to G. D. Searle & Co. 2,721,871, Cl. 260—397.4.
- Colton, Frank B., to G. D. Searle & Co. 2,725,389, Cl. 260—397.4.
- Colton, Frank B., to G. D. Searle & Co. 2,727,909, Cl. 260—397.4.
- Colton, Frank B., to G. D. Searle & Co. 2,727,912, Cl. 260—397.45.
- Colton, Raymond R.: *See*—  
Byers, J. Harold, and Colton. 2,699,553.
- Colton, Robert A., to American Smelting and Refining Co. 2,706,154, Cl. 75—154.
- Colt's Mfg. Co.: *See*—  
Messier, Allan H., and Lewis. 2,712,825.
- Columbe, Maynard J., to General Electric Co. 2,728,840, Cl. 219—19.
- Columbia Boiler Co. of Pottstown: *See*—  
Boarman, Robert W. 2,708,569.
- Columbia Broadcasting System, Inc.: *See*—  
Bachman, William S. 2,716,551.  
Hunter, James H. 2,715,752.  
Ropes, George F. 2,726,311.  
Sachs, Rudolph. 2,726,357.  
Snepvangers, René. 2,703,343.  
Tomer, Robert B. 2,713,083.
- Columbia Machine Works: *See*—  
Davies, Miles, and Neth. 2,706,320.  
Davies, Miles, and Neth. 2,706,322.
- Columbia Mills, Inc., The: *See*—  
Banner, Joseph, and Keich. 2,699,206.
- Columbia Pictures Corp.: *See*—  
Rackett, Gerald F. 2,702,312.
- Columbia Ribbon and Carbon Mfg. Co., Inc.: *See*—  
Newman, Douglas A. 2,713,822.
- Columbia-Southern Chemical Corp.: *See*—  
Ellsworth, Arthur C., Jr., and Hirsekorn. 2,713,076.  
Geary, Eugene W. 2,725,951.  
Heiskell, Theodore W., and Farmer. 2,705,219.  
Heiskell, Theodore W., and Workman. 2,725,409.  
Neubauer, Joseph A., Strain, and Kung. 2,717,238.  
Piester, Loyd W. 2,724,003.  
Richardson, Kenneth W. 2,723,993.  
Stevens, Henry C. 2,721,883.
- Columbia Basin Plastics Co.: *See*—  
De Shazor, James C., Jr. 2,708,858.
- Columbian Carbon Co.: *See*—  
Ekholm, Wesley C. 2,705,189.  
Heller, George L. 2,705,190.  
Strauss, Howard W. 2,704,242.  
Sweitzer, Carl W. 2,707,672.  
Sweitzer, Carl W. 2,707,674.  
Sweitzer, Carl W., and Melore. 2,707,673.
- Columbian Rope Co.: *See*—  
Koon, Archie W. 2,703,300.
- Columbus Auto Parts Co., The: *See*—  
Ross, Leslie D., and Flumerfelt. 2,710,208.
- Columbus Coated Fabrics Corp.: *See*—  
Brooks, Harold H. 2,705,049.  
Hedges, William D. 2,722,495.  
Hedges, William D., and Lowman. 2,704,735.  
Hedges, William D., and Lowman. 2,723,962.
- Columbus Dental Mfg. Co., The: *See*—  
Moyer, James H. 2,722,053.
- Columbus McKinnon Chain Corp.: *See*—  
Devonshire, William H. 2,701,600.  
Myers, Don B. 2,701,599.  
Robins, Erford E. 2,704,201.
- Columbus Metal Products, Inc.: *See*—  
Donley, Harold B. 2,719,967.
- Columbus Plastic Products, Inc.: *See*—  
Roop, Nathan W. 2,725,162.
- Colvard, J. F.: *See*—  
Fuller, Robert W. 2,715,797.
- Colvin, James J., to Callaway Mills Co. 2,716,326, Cl. 57—52.
- Colvin, Richard H. 2,704,645, Cl. 244—74.
- Colvin, William I., to Pacific Can Co. 2,701,000, Cl. 153—2.
- Colwell, Archie T., to Thompson Products, Inc. 2,699,917, Cl. 253—39.15.
- Colwell Litho Products Inc.: *See*—  
Kent, George R., Kriha, and Seelert. 2,719,745.
- Combee, Bart, and J. M. Houtman, to Hartford National Bank and Trust Company. 2,715,194, Cl. 313—32.
- Combined Locks Paper Co.: *See*—  
Cram, Hervey G. 2,727,441.
- Combs, Archie L., 50% to C. Roots. 2,710,197, Cl. 280—46.
- Combs, Herbert M. 2,727,485, Cl. 114—16.
- Combs, Raymond M., to The Connecticut Hard Rubber Co. 2,719,907, Cl. 219—46.



- Combustion Engineering, Inc.: *See—*  
 Armacost, Wilbur H., Mumford, Wehmeyer, and Kutschale. 2,708,981.  
 Chapman, Edward C. 2,719,210.  
 Chapman, Edward C. 2,721,379.  
 Cross, Bertram J. 2,726,645.  
 Epley, Frederic I. 2,702,531.  
 Frangquist, Gustav H. 2,706,087.  
 Gordon, Charles W. 2,724,904.  
 Greacen, Walter, 3rd, Bishop, and Bogot. 2,698,929.  
 Hochmuth, Frank W. 2,702,235.  
 Huet, Andre. 2,724,891.  
 Jackson, Alonzo C. 2,700,505.  
 Klein, Robert J., and Wagner. 2,703,073.  
 Knautz, Emil. 2,714,896.  
 Lasater, John A., and Deakins. 2,713,703.  
 Lasater, John A., and Deakins. 2,718,679.  
 Schoenfeld, David M. 2,700,353.  
 Schroeder, Henry. 2,725,042.  
 Svendsen, Konrad S. 2,699,293.  
 Walter, Paul R. 2,715,019.  
 Wittke, Ernest C. 2,722,581.  
 Witzke, Ernest C., and Cozza. 2,725,041.  
 Comee, Lowell M. 2,723,125, Cl. 273—186.  
 Comeforo, Jay E. 2,704,261, Cl. 106—39.  
 Comelli, Peter. 2,699,554, Cl. 3—32.  
 Comer, Marvin H., to Standard Hosiery Mills, Inc. 2,717,486, Cl. 57—140.  
 Comey, Charles S., M. F. Saxton, and H. C. Stuerzl, to The Engineered Products Co. 2,707,798, Cl. 16—163.  
 Comfort Cushion Co.: *See—*  
 Lichter, Adolph H. and H., and Garascia. 2,719,985.  
 Comisarow, Paul, to the United States of America as represented by the Secretary of the Navy. 2,722,390, Cl. 244—149.  
 Commerce, United States of America as represented by the Secretary of: *See—*  
 Apstein, Maurice. 2,717,981.  
 Elbourn, Robert D., and Slutz. 2,712,065.  
 Harmantas, Christos, and Mathews. 2,710,324.  
 Kalmus, Henry P. 2,724,269.  
 Martin, William L. 2,698,883.  
 Park, John H. 2,700,743.  
 Rabinow, Jacob. 2,702,472.  
 Rotkin, Israel, Rabinow, and Guarracini. 2,714,928.  
 Senderoff, Seymour, and Brenner. 2,715,093.  
 Senderoff, Seymour, and Labrie. 2,715,058.  
 Slutz, Ralph J. 2,727,143.  
 Stone, Walter K. 2,727,697.  
 Commercial Controls Corp.: *See—*  
 Blodgett, Edwin O. 2,700,421.  
 Blodgett, Edwin O. 2,700,445.  
 Blodgett, Edwin O. 2,700,446.  
 Blodgett, Edwin O. 2,700,447.  
 Schwartz, Anthony M. 2,703,798.  
 Uhl, William H. 2,726,812.  
 Wehrmeister, Herbert L. 2,698,821.  
 Commercial Machine and Welding Co.: *See—*  
 Gordon, Wilbert C. 2,710,159.  
 Commercial Shearing & Stamping Co., The: *See—*  
 Drennen, Matthew. 2,707,441.  
 Kane, Thomas C. 2,714,856.  
 Kane, Thomas C. 2,714,899.  
 Commercial Solvents Corp.: *See—*  
 Bennett, Robert R., and Enos. 2,726,172.  
 Brumfield, Philip E. 2,726,239.  
 Cohen, Isadore R. 2,723,216.  
 Dalter, Raymond S. 2,727,838.  
 Dorsey, John J., Jr. 2,723,183.  
 Hodge, Edward B. 2,716,667.  
 Johnson, Arnold N. 2,716,627.  
 Johnson, Arnold N. 2,719,810.  
 Pensack, Joseph M. 2,723,198.  
 Schwartz, Anthony M. 2,717,894.  
 Shurter, Robert A. 2,717,853.  
 Stavely, Homer E. 2,708,174.  
 Tryon, Philip F. 2,719,869.  
 Tryon, Philip F. 2,719,870.  
 Yalowitz, Harold I., and Bannister. 2,713,597.  
 Young, Vernon V. 2,713,578.  
 Commins, John G.: *See—*  
 Alfred, Donald L., and Commins. 2,727,116.  
 Common, James L., and H. A. Campbell, to General Foods Corp. 2,698,803, Cl. 99—139.  
 Commonwealth Color & Chemical Co.: *See—*  
 Fronmuller, George D. 2,717,240.  
 Commonwealth Co.: *See—*  
 Cayot, Lynn B. 2,702,539.  
 Commonwealth Engineering Co. of Ohio, The: *See—*  
 Ballard, James W., and Brier. 2,724,411.  
 Berglund, Orion W. 2,704,725.  
 Bolton, Wilbur M. 2,714,904.  
 Bonner, Frank E. 2,727,668.  
 Carlson, Virginia W. and W. W. 2,716,084.  
 Davis, Oliver F., and Belitz. 2,728,321.  
 Deniston, George L. 2,702,231.  
 Deniston, George L. 2,706,690.  
 Deniston, George L. 2,725,303.  
 Erickson, Leonard A. 2,709,916.  
 Ernst, Walter. 2,725,025.  
 Lippman, Alfred, Jr. 2,720,009.  
 Lippman, Alfred, Jr. 2,720,106.  
 Novak, Leo J. 2,708,519.  
 Novak, Leo J., and Ford. 2,728,342.  
 Commonwealth Engineering Co. of Ohio, The: *See—Continued.*  
 Pawlyk, Peter. 2,700,365.  
 Pawlyk, Peter. 2,701,901.  
 Pawlyk, Peter. 2,704,727.  
 Pawlyk, Peter. 2,704,728.  
 Toulmin, Harry A., Jr. Re. 23,958.  
 Toulmin, Harry A., Jr. Re. 23,988.  
 Toulmin, Harry A., Jr. Re. 24,080.  
 Toulmin, Harry A., Jr. 2,708,627.  
 Wenzelberger, Elwood P. 2,723,539.  
 Whiteside-Carlson, Virginia, and Carlson. 2,716,237.  
 Communication Engineering Pty. Ltd.: *See—*  
 Lackey, Alan D. 2,719,005.  
 Law, Peter L. 2,715,950.  
 Law, Peter L., and Lackey. 2,703,640.  
 Communication Measurements Laboratory, Inc.: *See—*  
 Griffin, Dana A., and McCutchen. 2,705,741.  
 Communications Research, Inc.: *See—*  
 Atanasoff, John V. 2,706,933.  
 Compagnie de Pont-à-Mousson: *See—*  
 Dunz, Jean. 2,726,742.  
 Jungblut, Charles. 2,711,913.  
 Compagnie des Machines Bull (Societe Anonyme): *See—*  
 Chenus, Pierre J. C. 2,722,375.  
 Knutsen, Knut A. 2,712,898.  
 Compagnie des Machines Syntegra: *See—*  
 Thaon, André. 2,706,943.  
 Compagnie Electro-Mecanique: *See—*  
 Marchand, Robert. 2,728,000.  
 Compagnie Francaise des Essences Synthetiques Societe Anonyme: *See—*  
 Thibaut, Louis. 2,707,163.  
 Compagnie Française des Matieres Colorantes, S. A. R. L.: *See—*  
 Thiollot, Robert, Delattre, and Verdiere. 2,710,885.  
 Compagnie Generale de Construction de Fours: *See—*  
 Delarue, Roger A. 2,709,677.  
 Compagnie Generale de Telegraphie Sans Fil: *See—*  
 Huber, Harry. 2,701,322.  
 Brück, Lothar. 2,699,519.  
 Brück, Lothar, and Huber. 2,720,609.  
 Clement, René. 2,721,182.  
 Denis, Marcel. 2,705,777.  
 Denis, Marcel. 2,721,997.  
 Doeblner, Oskar. 2,719,914.  
 Gutton, Henri, Ortusi, and Frumkin. 2,710,364.  
 Lerbs, Alfred. 2,702,370.  
 Lerbs, Alfred. 2,704,350.  
 Palluel, Pierre, and Denis. 2,719,954.  
 Compagnie Generale de Telegraphie Sans Fil, societe anonyme francaise: *See—*  
 Suchet, Jacques. 2,714,096.  
 Compagnie Generale d'Electricite: *See—*  
 Bourseau, Jean, and Comte. 2,705,744.  
 Lesigne, Henri L., and Riou. 2,700,702.  
 Macardier, Louis. 2,720,552.  
 Macardier, Louis. 2,726,182.  
 Macardier, Louis P. 2,707,722.  
 Compagnie Generale des Etablissements Michelin: *See—*  
 Bourdon, Pierre M. 2,720,240.  
 Compagnie Industrielle des Telephones: *See—*  
 Selz, Jacques and Ittis. 2,721,264.  
 Compagnie Internationale des Pieux Armés Frankignoul, Societe Anonyme: *See—*  
 Jourdain, André P. 2,710,739.  
 Compagnie pour la Fabrication des Compteurs et Material d'Usines a Gaz: *See—*  
 Thevenon, Georges J. 2,713,148.  
 Compagnie Radio Cinema: *See—*  
 Mathieu, Frédéric C. 2,721,031.  
 Compagnies Reunies des Glaces & Verres Speciaux du Nord de la France: *See—*  
 Long, Bernard. 2,725,679.  
 Compania Salitrera Anglo-Lautaro (Anglo-Lautaro Nitrate Corp.): *See—*  
 Ferris, Lockwood W. 2,727,626.  
 Compania Uruguaya de Fomento Industrial S. A.: *See—*  
 Fehling, Hans R. 2,708,903.  
 Comparette, Virgil G. 2,712,693, Cl. 31—13.  
 Compney, Edward A. 2,727,589, Cl. 184—3.  
 Compo Shoe Machinery Corp.: *See—*  
 Dodge, Milton L. 2,717,402.  
 Comptoir Industriel d'Etirage et Profilage de Metaux: *See—*  
 Sejournet, Jacques, and Lambert. 2,706,850.  
 Compton, Benjamin A. 2,720,346, Cl. 222—570.  
 Compton, Charles E. 2,715,029, Cl. 280—12.  
 Compton, Charles E. 2,719,708, Cl. 262—9.  
 Compton, Emory L.: *See—*  
 Biggs, Van B., and Compton. 2,721,725.  
 Compton, James A., to Borg-Warner Corp. 2,700,397, Cl. 137—569.  
 Compton, Max D., and R. C. Ragan, to Gladding, McBean & Co. 2,700,008, Cl. 154—99.  
 Compton, William C.: *See—*  
 Friedman, Abraham S., and Compton. 2,724,571.  
 Compton, William H., J. M. Duff and J. K. Smith, to The Reliance Electric & Engineering Co. 2,716,859, Cl. 57—100.



- Compule Corp., The: *See*—  
   Lockhart, Marshall L. 2,722,257.  
   Lockhart, Marshall L. 2,724,383.  
   Lockhart, Marshall L. 2,724,385.  
   Lockhart, Marshall L. 2,725,057.  
   Lockhart, Marshall L. 2,725,683.  
   Lockhart, Marshall L. 2,726,656.  
   Lockhart, Marshall L. 2,727,514.  
   Lockhart, Marshall L. 2,727,516.  
 Comstock, Alfred E., to General Package Corp. 2,701,651, Cl. 214—7.  
 Comstock, Alfred E., to General Package Corp. 2,703,041, Cl. 92—56.  
 Comstock, George E., 3d, to Norton Co. 2,708,260, Cl. 318—332.  
 Comstock, George E., 3rd, to Norton Co. 2,718,732, Cl. 51—47.  
 Comstock, Millard F. 2,716,988, Cl. 131—242.  
 Comte, Georges: *See*—  
   Bourseau, Jean, and Comte. 2,705,744.  
 Conaglia, Amado, to I-T-E Circuit Breaker Co. 2,701,314, Cl. 307—64.  
 Conant, Louis A., and D. M. Gillies, to Union Carbide and Carbon Corp. 2,698,990, Cl. 29—182.5.  
 Conaway, William S. 2,712,948, Cl. 280—437.  
 Conboy, Robert W. 2,727,722, Cl. 254—134.6.  
 Concepcion, Alberto A. 2,699,901, Cl. 242—3.  
 Concordia Elektrizitaets-Aktiengesellschaft: *See*—  
   Weber, Friedrich K. 2,713,603.  
 Condon, Fred E.: *See*—  
   Vaughan, William E., and Condon. 2,717,248.  
 Con-Dor Corp. of America: *See*—  
   Howell, Thaddeus L., Jr. 2,720,308.  
 Condra, Elmo L. 2,701,020, Cl. 166—109.  
 Cone, Donald R.: *See*—  
   Garbellano, David W., and Cone. 2,721,274.  
 Cone, Joseph H., to Automatic Devices Corp. 2,727,976, Cl. 219—32.  
 Cone, Richard R., to Threads-Incorporated. 2,712,804, Cl. 112—251.  
 Cone, William D. 2,705,331, Cl. 5—9.  
 Coners, Thomas E.: *See*—  
   Morris, Curtis T., and Coners. 2,719,396.  
 Coners, Thomas E., to Outboard, Marine & Mfg. Co. 2,708,334, Cl. 56—25.4.  
 Conery, George F., and G. W. Ingle, to Monsanto Chemical Co. 2,711,968, Cl. 106—293.  
 Cones, Ben. 2,722,169, Cl. 98—38.  
 Coney, Jacob W. 2,707,550, Cl. 206—4.  
 Congelli, Anton: *See*—  
   Koscher, Gustave, and Congelli. 2,720,023.  
 Congoleum-Nairn Inc.: *See*—  
   Benedict, Walter E., and Dobry. 2,728,103.  
   Kelly, Bernard J., and Mayer. 2,722,265.  
 Conhagen, Alfred. 2,726,112, Cl. 292—264.  
 Conkey, Charles C. 2,724,856, Cl. 15—310.  
 Conkle, Carl J.: *See*—  
   Orr, Palmer, and Conkle. 2,720,120.  
 Conklin, George W., and R. C. Morris, to Shell Development Co. 2,707,714, Cl. 260—609.  
 Conklin, Murray D.: *See*—  
   Steindorf, Jack W., and Conklin. 2,707,299.  
 Conklin, Robert E., D. Rubino, and J. Seidler. 2,711,574, Cl. 29—34.  
 Conklin, Robert M., and A. Scharf, to Schlage Lock Co. 2,708,284, Cl. 16—49.  
 Conkling, William C., to Wallace & Tiernan Inc. 2,715,417, Cl. 137—489.  
 Conkling, William C., to Richmond Mfg. Co. 2,723,751, Cl. 209—319.  
 Conkling, William C., to Richmond Mfg. Co. 2,723,752, Cl. 209—323.  
 Conley, Grover N.: *See*—  
   Short, Clair A., Jr., and Conley. 2,704,436.  
 Conlon, Charles S. 2,715,488, Cl. 226—32.  
 Conly, Herbert W. 2,721,489, Cl. 81—15.  
 Conly, James C., to Douglas Aircraft Co., Inc. 2,727,058, Cl. 260—461.  
 Conmar Products Corp.: *See*—  
   Epple, Paul F. 2,705,345.  
   Mikulas, William. 2,705,356.  
   Prupis, Robert I., and Lees. 2,705,322.  
 Conn, Robert C.: *See*—  
   Bann, Robert F., and Conn. 2,703,812.  
 Conn, Vachel W.: *See*—  
   Nolen, Lawrence M. 2,705,044.  
 Conn, William M. 2,701,779, Cl. 148—24.  
 Connealy, Guy D.: *See*—  
   Canning, Thomas J. 2,703,647.  
 Connecticut Hard Rubber Co., The: *See*—  
   Brinsmade, Daniel S., and Hibbard. 2,728,356.  
   Bruns, Carl N. 2,713,017.  
   Combs, Raymond M. 2,719,907.  
   Kilbourne, Frederick L., Jr., and Davis. 2,709,161.  
   Mordarski, Walter J., and Spencer. 2,719,017.  
   Panagrossi, Ahmed, and Hauser. 2,705,691.  
   Panagrossi, Ahmed, and Sobol. 2,703,775.  
 Connecticut Telephone and Electric Corp.: *See*—  
   Thomas, Philip J., and Geremia. 2,699,469.  
 Connecticut Valley Enterprises Inc.: *See*—  
   Somers, Brock A. 2,718,568.  
 Connell, Edwin L., to Chicago Pneumatic Tool Co. 2,728,252, Cl. 81—52.4.  
 Connell, Lawrence. 2,725,417, Cl. 178—4.  
 Conner, Joshua C., Jr., to Hercules Powder Co. 2,718,530, Cl. 260—610.  
 Conner, Joshua C., Jr., to Hercules Powder Co. 2,719,864, Cl. 260—610.  
 Conner, Rex C., to The M. W. Kellogg Co. 2,706,715, Cl. 252—13.  
 Conners, Archie S.: *See*—  
   Mazzagatti, Roy P., Stephens, and Conners. 2,701,175.  
 Connett, Solomon L. 2,703,663, Cl. 220—25.  
 Connolly, Charles E., to International Business Machines Corp. 2,706,079, Cl. 235—61.  
 Connolly, Ernest E.: *See*—  
   Lacey, Richard N., and Connolly. 2,714,117.  
 Connolly, John J.: *See*—  
   Selley, William W., and Connolly. 2,719,482.  
 Connor Engineering Corp.: *See*—  
   Argentieri, Peter, and Daninhirsch. 2,722,880.  
 Connor, John A. 2,718,617, Cl. 317—248.  
 Connor, W. B., Engineering Corp.: *See*—  
   Daninhirsch, Harry. 2,699,287.  
 Connor, William G., to Allegheny Ludlum Steel Corp. 2,704,247, Cl. 75—12.  
 Connors, Floyd J.: *See*—  
   De Salardi, Albert B. 2,724,403.  
 Connors, John: *See*—  
   Burgess, Robert W., Gundersen, and Connors. 2,700,948.  
 Connors, Ruth L. 2,724,835, Cl. 2—112.  
 Connova, Frank J.: *See*—  
   Simmons, Lillian P., and Connova. 2,704,851.  
 Conoscente, Salvatore, and C. B. Shickluna; said Shickluna assor. to said Conoscente. 2,711,770, Cl. 152—242.  
 Conover, Courtney. 2,703,116, Cl. 143—63.  
 Conover, Courtney. 2,723,688, Cl. 143—63.  
 Conover, Lloyd H. 2,699,054, Cl. 260—559.  
 Conover, Warren C., to Outboard, Marine & Mfg. Co. 2,713,854, Cl. 123—73.  
 Conrad, Franklin, to Ethyl Corp. 2,725,412, Cl. 260—654.  
 Conrad, George J. 2,728,381, Cl. 155—179.  
 Conrad, Lester I., and K. Motiuk, to American Cholesterol Products, Inc. 2,725,334, Cl. 167—63.  
 Conrad, Loris H.: *See*—  
   Burge, James S., McKee, Conrad, Rider, and Salatin. 2,723,691.  
 Conrad, Marcus L.: *See*—  
   Hough, Frank G., Beyerstedt, and Conrad. 2,726,778.  
 Conrad, Martin B.: *See*—  
   Baker, Reuben C., and Conrad. 2,713,910.  
   Kline, Albert K., and Conrad. 2,713,907.  
 Conrad, Martin B., to Baker Oil Tools, Inc. 2,713,915, Cl. 166—239.  
 Conrad, Martin B., to Baker Oil Tools, Inc. 2,717,613, Cl. 137—625.48.  
 Conrad, Martin B., to Baker Oil Tools, Inc. 2,718,265, Cl. 166—225.  
 Conrad, Matthew, to Stromberg-Carlson Co. 2,707,319, Cl. 29—25.3.  
 Conrad, Matthew, to Stromberg-Carlson Co. 2,718,616, Cl. 317—235.  
 Conrad, Norman L., deceased; by L. E. C. Norton, executrix, to Felt and Tarrant Mfg. Co. 2,702,710, Cl. 274—4.  
 Conrad, Robert. 2,706,664, Cl. 306—45.  
 Conrad, Rudolf M. P. 2,701,196, Cl. 95—5.  
 Conroy, Addison B., and A. E. Hewitt, to Aeroduct, Inc. 2,726,682, Cl. 138—55.  
 Conroy, Anthony M. 2,722,326, Cl. 214—450.  
 Conroy, Joseph P.: *See*—  
   White, John A., Jr., and Conroy. 2,726,464.  
 Conroy, Lewis E.: *See*—  
   Jeschke, Arnold L., and Conroy. 2,727,377.  
 Conroy, Robert P., Jr., and K. J. Fisher, to Kiekhaefer Corp. 2,722,208, Cl. 123—136.  
 Consaul, John G., and E. Velten, to Art Color Printing Co. 2,703,281, Cl. 95—5.  
 Consentino, Felix. 2,713,849, Cl. 120—89.  
 Conservatoire National des Arts et Metiers: *See*—  
   Lefrand, Edouard. 2,722,097.  
 Conso Metal Products, Inc.: *See*—  
   Loucony, Adolphe W. 2,701,012.  
 Consoletti, Paul C., to Draper Corp. 2,707,496, Cl. 139—92.  
 Consoletti, Paul C., to Draper Corp. 2,711,193, Cl. 139—263.  
 Consolidated Diesel Electric Corp.: *See*—  
   Vutz, William. 2,714,454.  
 Consolidated Edison Co. of New York, Inc.: *See*—  
   Lindon, Joseph B. 2,720,833.  
 Consolidated Electric Co.: *See*—  
   Adler, Robert. 2,707,232.  
 Consolidated Engineering Corp.: *See*—  
   Davidson, Joseph F. 2,706,398.  
   Robinson, Charles F. 2,718,595.  
   Spaulding, Carl P. 2,706,401.  
   Spaulding, Carl P. 2,727,208.  
 Consolidated Gas Electric Light and Power Co. of Baltimore: *See*—  
   Betz, Paul L. 2,710,055.  
 Consolidated General Products, Inc.: *See*—  
   Strongson, Herman L. 2,701,921.  
 Consolidated Metal Products Co.: *See*—  
   Gallagher, Hugh M., and Strasinger. 2,722,971.  
 Consolidated Mining and Smelting Co. of Canada Ltd., The: *See*—  
   Doyle, Harold. 2,720,280.  
   Robinson, Joseph N., Miller and McDonnell. 2,715,563.



- Consolidated Paper Co.: *See*—  
Hollinshead, James A. 2,724,496.  
Stieve, Paul H. 2,704,617.
- Consolidated Water Power & Paper Co.: *See*—  
Murfeldt, Lawrence W. 2,723,179.
- Constant, Antime, to Societe Anonyme des Manufactures de Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey. 2,713,534, Cl. 23—259.3.
- Constantacopoulos, Leonidas. 2,723,172, Cl. 311—67.
- Constantakis, George V., and J. W. Karsai, to United States Rubber Co. 2,708,957, Cl. 152—209.
- Constantine, Arthur R. 2,703,347, Cl. 200—27.
- Constantine, Arthur R. 2,722,119, Cl. 68—139.
- Constantine, Charles A. 2,724,436, Cl. 164—77.
- Constellation Cup Corp.: *See*—  
Goodwin, Carl W. 2,703,042.
- Constructions Mecaniques S. A. Renens: *See*—  
Zurmuhle, Ernest. 2,712,287.
- Container Corp. of America: *See*—  
Acker, Ralph E. 2,702,661.  
Acker, Ralph E. 2,713,965.  
D'Esposito, Julian. 2,711,282.  
Goebel, Henry R., and Karr. 2,704,180.  
Nemoede, Paul A. 2,714,445.  
Nemoede, Paul A. 2,724,542.  
Rau, Eric J. 2,710,094.  
Shuxteau, Eugene A. 2,718,997.  
Steele, John R. 2,705,589.
- Contant, Peter R., to General Motors Corp. 2,711,501, Cl. 318—134.
- Conti, John D., to American Viscose Corp. 2,709,915, Cl. 73—91.
- Conti, John D., to American Viscose Corp. 2,718,065, Cl. 34—23.
- Conti, John D., to American Viscose Corp. 2,723,085, Cl. 242—55.
- Continental Aviation and Engineering Corp.: *See*—  
Bachle, Carl F. 2,701,442.  
Bachle, Carl F. 2,717,591.
- Continental Can Co., Inc.: *See*—  
Bergstrom, Harold A. 2,727,673.  
Bowes, Arthur S., St. Clair, and Amberg. 2,728,209.  
Burt, Howard J. 2,715,469.  
Carlile, John W. 2,705,103.  
Grant, Frank A. 2,726,979.  
Gronning, Thorbjorn. 2,727,338.  
Henchert, John. 2,723,059.  
Henchert, John. 2,727,537.  
Henchert, John. 2,727,652.  
Johnson, Scott R. 2,711,147.  
Johnson, Scott R. 2,727,482.  
Johnson, Scott R. 2,727,740.  
Magnus, Carl E. 2,727,301.  
Nyden, Robert. 2,727,659.  
O'Neil, James H. 2,718,313.  
Piazze, Thomas E. 2,718,915.  
Piazze, Thomas E. 2,720,246.  
Punte, William F. 2,727,483.  
Richens, Arthur W. 2,720,247.  
Ryan, Edgil. 2,723,936.  
Schneider, Julius L. 2,719,564.  
Scott, Harry A., and Ferguson. 2,727,719.  
Simpson, Justin. 2,723,748.  
Thiem, Eugene T. 2,703,514.  
Tomkins, Walter M. 2,727,641.
- Continental Copper & Steel Industries, Inc.: *See*—  
Ustin, George. 2,716,741.
- Continental-Diamond Fibre Co.: *See*—  
Stewart, Robert, and Ploger. 2,710,026.
- Continental Engineering Corp.: *See*—  
Chin, Pao H. 2,715,706.
- Continental Filling Corp.: *See*—  
Bunting, Albert L. 2,716,637.
- Continental Foundry & Machine Co.: *See*—  
Bunting, Francis W. 2,710,745.  
Hibner, De Los E., and Arey. 2,699,566.  
Siegerist, Walter. 2,712,249.  
Siegerist, Walter L. 2,714,917.  
Siegerist, Walter L. 2,720,242.  
Siegerist, Walter L. 2,720,243.  
Siegerist, Walter. 2,724,422.
- Continental Gin Co.: *See*—  
Smith, Algernon L. 2,718,671.
- Continental Hospital Service, Inc.: *See*—  
Dixon, Edward C., and Chilton. 2,708,927.
- Continental Machines, Inc.: *See*—  
Gierlich, Raymond A. 2,707,835.  
Harrington, John A. 2,722,792.
- Continental Motors Corp.: *See*—  
Bakke, Laurence D. 2,717,586.  
Bakke, Laurence D., and Altman. 2,714,376.  
Bakke, Laurence D., and Miller. 2,705,481.  
Champion, James E. 2,725,860.  
Dostert, William H. 2,714,278.  
Green, Raymond J. 2,714,428.  
Powell, Robert J. 2,705,944.  
Wiseman, William A. 2,705,479.
- Continental Oil Co.: *See*—  
Eby, Harold H. 2,708,199.  
Mannas, Eugene C. 2,726,191.  
Sharrah, Marion L. 2,726,210.  
Sias, Roy C. 2,708,210.
- Continental Radiant Glass Heating Corp.: *See*—  
Needham, Basil A. 2,700,095.
- Continental Silver Co. Inc.: *See*—  
Kolisch, Emil. Re. 23,945.  
Kolisch, Emil. 2,708,368.  
Kolisch, Emil. 2,725,193.  
Kolisch, Emil. 2,727,391.
- Continental Specialties Co., Ltd.: *See*—  
Strand, Russell S. 2,706,839.
- Continental Supply Co., The: *See*—  
Slonneger, John C. 2,707,040.  
Slonneger, John C. 2,720,301.  
Slonneger, John C. 2,725,751.
- Continental Transport Appliances, Ltd.: *See*—  
Dorey, George B. 2,699,231.
- Continuous Metalcast Co., Inc.: *See*—  
Rossi, Irving, and Ogden. 2,726,430.
- Contois, Leo L., Jr., to Monsanto Chemical Co. 2,717,247, Cl. 260—78.5.
- Con-Torq Inc.: *See*—  
Bessom, Earl A. 2,720,905.
- Control Cells Corp., Inc.: *See*—  
Swanson, Willis R. 2,709,790.
- Control Engineering Corp.: *See*—  
Cherniak, George S. 2,727,387.
- Control Instrument Co., Inc.: *See*—  
Behn, Eric R. 2,715,721.  
Lang, Walter T. 2,715,277.  
Lehde, Henry C. 2,719,930.  
Relis, Matthew J. 2,715,722.
- Converse, John O., to Nichols Engineering Co. 2,716,949, Cl. 104—32.
- Conveyor Co., Inc., The: *See*—  
Saxe, Walter E. 2,707,559.  
Saxe, Walter E. 2,718,309.
- Conway, Josephine R. 2,711,580, Cl. 30—8.
- Conwell, Rector D. 2,711,124, Cl. 97—29.
- Conwell, Yeates, W. F. Busse, and V. P. Caracciolo, to E. I. du Pont de Nemours & Co. 2,698,463, Cl. 18—55.
- Conyers, Forrest A. and V. M. 2,708,799, Cl. 37—179.
- Conyers, Vet M.: *See*—  
Conyers, Forrest A. and V. M. 2,708,799.
- Conzetti, Achilles, to J. R. Geigy A. G. 2,711,406, Cl. 260—200.
- Conzetti, Achilles, to J. R. Geigy A. G. 2,714,103, Cl. 260—198.
- Cook, Augustus. 2,706,769, Cl. 240—6.46.
- Cook, Betty V. and B. D. 2,708,540, Cl. 226—46.1.
- Cook, Bobby D.: *See*—  
Cook, Betty V. and B. D. 2,708,540.
- Cook Bros. Equipment Co.: *See*—  
Harbers, Henry C. 2,713,955.
- Cook, Charles C., Jr., to International Minerals & Chemical Corp. 2,706,044, Cl. 209—127.
- Cook, Charles D., to Hickson's Timber Impregnation Co. (G. B.) Ltd. 2,726,189, Cl. 167—38.6.
- Cook, Charles E. 2,720,250, Cl. 155—106.
- Cook Chemical Co.: *See*—  
Juengling, Leonard E. 2,713,872.
- Cook, Curtiss L., to Deere & Co. 2,702,447, Cl. 55—105.
- Cook, Curtiss L., to Deere & Co. 2,714,460, Cl. 214—140.
- Cook, Curtiss L., to Deere & Co. 2,717,071, Cl. 198—189.
- Cook, Curtiss L., and A. E. Young, to Deere & Co. 2,708,397, Cl. 97—235.
- Cook, Earle S., to Westinghouse Air Brake Co. 2,707,134, Cl. 303—35.
- Cook, Earle S., to Westinghouse Air Brake Co. 2,720,427, Cl. 303—22.
- Cook, Earle S., to Westinghouse Air Brake Co. 2,721,768, Cl. 303—22.
- Cook, Edward, to Edward Cook Machine Co. 2,718,802, Cl. 81—9.51.
- Cook, Edward, Machine Co.: *See*—  
Cook, Edward. 2,718,802.
- Cook Electric Co.: *See*—  
Baker, John S. 2,703,107.  
Bellamy, John C. 2,717,120.  
Downing, James R. 2,714,202.  
Hasselhorn, Walter C. 2,722,633.  
Hasselhorn, Walter C., and Baker. 2,722,580.  
McDonald, Donald C. 2,722,846.
- Cook, Elmer A.: *See*—  
Viebrock, Carl H., and Cook. 2,700,310.
- Cook, Elsie P.: *See*—  
Cook, Herbert D. and E. P. 2,716,364.
- Cook, Elton S., and C. W. Kreke, to Institutum Divi Thomae Foundation. 2,719,811, Cl. 167—58.
- Cook, Ernest E.: *See*—  
Sadler, Harry J., and Cook. Re. 24,063.
- Cook, Ernest F.: *See*—  
Dingman, Thomas C., and Cook. 2,708,959.  
Dingman, Thomas C., and Cook. 2,720,775.
- Cook, Ernest P., to Brown Co. 2,713,291, Cl. 92—20.
- Cook, Ethel O. 2,703,185, Cl. 220—23.8.
- Cook, Eugene B., to Allis-Chalmers Mfg. Co. 2,723,753, Cl. 209—332.
- Cook, Frederick C. 2,727,563, Cl. 155—143.
- Cook, Gordon H., to Taylor, Taylor & Hobson Ltd. 2,713,809, Cl. 88—57.
- Cook, Gordon H., to Taylor, Taylor & Hobson Ltd. 2,724,993, Cl. 88—57.
- Cook, Harry M.: *See*—  
Calhoun, James J., and Cook. Re. 23,977.
- Cook, Herbert D. and E. P. 2,716,364, Cl. 81—84.
- Cook, John P. 2,716,227, Cl. 339—274.



- Cook, John V., to Read Standard Corp. 2,703,539, Cl. 107—55.
- Cook, Kenneth L., P. L. Jarvis, and W. H. Davis, to Ruger Equipment, Inc. 2,700,483, Cl. 214—149.
- Cook, Lucien H., to Chemical Construction Corp. 2,701,262, Cl. 260—555.
- Cook, Lyman, and W. H. Howe, to The Foxboro Co. 2,718,232, Cl. 137—85.
- Cook, Martin L., to Union Special Machine Co. 2,720,854, Cl. 112—242.
- Cook-P. & N. Machine Co., Inc.: *See*—  
Cook, Percy. 2,727,378.
- Cook, Percy, to Cook-P. & N. Machine Co., Inc. 2,727,378, Cl. 68—5.
- Cook, Raymond C., to Wilson Athletic Goods Mfg. Co., Inc. 2,707,009, Cl. 150—15.
- Cook, Richard S., and W. E. Craig, to Rohm & Haas Co. 2,702,302, Cl. 260—567.5.
- Cook, Roland T., to New Jersey Optical Co. 2,711,671, Cl. 88—47.
- Cook, Thomas S.: *See*—  
Barnes, Philip C., and Cook. 2,720,060.
- Cook-Waite Laboratories, Inc.: *See*—  
Hoskins, Everett L., and Lee. 2,707,466.
- Cook, Wayne S.: *See*—  
Hornmuth, Frank J., and Cook. 2,717,636.
- Cook, Wendell S., and G. E. P. Smith, Jr., to The Firestone Tire & Rubber Co. 2,713,561, Cl. 260—2.3.
- Cook, Willard O., to United States Steel Corp. 2,710,272, Cl. 148—25.
- Cook, William O.: *See*—  
Dean, Reginald S., Burney, and Cook. 2,714,580.
- Cooke, Evelyn. 2,703,553, Cl. 119—97.
- Cooke, Harry L., to Radio Corp. of America. 2,727,946, Cl. 179—15.
- Cooke, Henry H.: *See*—  
Russo, Dominick, and Cooke. 2,716,610.
- Cooke, Maurice D.: *See*—  
Armstrong, Godfrey P., Bewley, and Cooke. 2,720,549.  
Armstrong, Godfrey P., Bewley, and Cooke. 2,728,793.  
Armstrong, Godfrey P., Bewley, and Cooke. 2,728,795.
- Cooke, Theodore F.: *See*—  
Eastes, John W., and Cooke. 2,699,440.  
Eastes, John W., and Cooke. 2,699,442.  
Eastes, John W., and Cooke. 2,699,443.  
Eastes, John W., and Cooke. 2,699,444.  
Eastes, John W., and Cooke. 2,721,853.  
Kienle, Roy H., Eastes, and Cooke. 2,717,246.
- Cooke-Yarborough, Edmund H.: *See*—  
Thomas, David G. A., and Cooke-Yarborough. 2,714,179.
- Cookinboo, Elwood. 2,699,492, Cl. 240—73.
- Cooler King Inc.: *See*—  
Bachrach, Irving W. 2,725,923.
- Cooley, Austin G., to Times Facsimile Corp. 2,706,672, Cl. 346—136.
- Cooley, Austin G., to Times Facsimile Corp. 2,717,822, Cl. 346—139.
- Cooley, Elihu H.: *See*—  
Eisler, Joseph D., and Cooley. 2,721,696.
- Cooley, Kenneth D., to The Youngstown Sheet and Tube Co. 2,719,950, Cl. 324—37.
- Cooley, Kenneth D., and R. W. Whitmore, to The Youngstown Sheet and Tube Co. 2,719,952, Cl. 324—37.
- Cooley, Maxwell L., to General Mills, Inc. 2,712,997, Cl. 99—2.
- Cooley, Morris R., to M. A. Morrill. 2,722,799, Cl. 56—400.
- Coolidge, John E., and H. F. Anderson, to The American Brass Co. 2,714,698, Cl. 318—265.
- Coombe, George W. 2,709,326, Cl. 55—64.
- Coombes, Frank E., to Holman Brothers Ltd. 2,720,956, Cl. 192—30.5.
- Coomes, James C.: *See*—  
Hampshire, William J., Coomes, and Motz. 2,722,962.
- Coon, Edwin L., to S. Howes Co., Inc. 2,699,258, Cl. 209—388.
- Cooney, Clarissa M., and L. C. Matthews. 2,711,535, Cl. 2—42.
- Cooney, George J. 2,708,333, Cl. 55—83.
- Coonradt, Harry L., and W. K. Leaman, to Socony Mobil Oil Co., Inc. 2,718,489, Cl. 196—24.
- Cooper, Albert L., to Holly Sugar Corp. 2,703,225, Cl. 257—228.
- Cooper Alloy Corp.: *See*—  
McLeer, Thomas J. 2,728,122.
- Cooper, Benjamin. 2,707,426, Cl. 98—33.
- Cooper, Benjamin, and A. Hohmann; said Hohmann assor. to said Cooper. 2,706,078, Cl. 235—61.
- Cooper, Benjamin, and S. A. Kroll, said Kroll assor. to said Cooper. 2,726,594, Cl. 98—49.
- Cooper, Benjamin, and E. V. Cordes, Jr.; said Cordes assor. to said Cooper. 2,728,885, Cl. 318—283.
- Cooper-Bessemer Corp., The: *See*—  
Crooks, William R. 2,725,742.  
Crooks, William R. 2,725,897.
- Cooper, Charles H.: *See*—  
Stagner, Everett L. 2,722,974.
- Cooper, Daniel C. 2,724,392, Cl. 134—46.
- Cooper, David W. C.: *See*—  
Hansen, Harold S. 2,704,508.
- Cooper, Douglas E., and L. C. Cheney, to Bristol Laboratories Inc. 2,700,667, Cl. 260—256.
- Cooper, Douglas E., and L. C. Cheney, to Bristol Laboratories Inc. 2,724,000, Cl. 260—619.
- Cooper, Forrest, Jr., and J. Hicken, to Link Aviation, Inc. 2,715,782, Cl. 35—10.2.
- Cooper, George E.: *See*—  
Turner, Howard L., and Cooper. 2,699,305.
- Cooper, George R.: *See*—  
George, Roscoe H., and Cooper. 2,722,608.
- Cooper, Glenn D., to General Electric Co. 2,719,165, Cl. 260—448.2.
- Cooper, Harry E., to United States Rubber Co. 2,726,398, Cl. 2—68.
- Cooper, Jack R., to the United States of America as represented by the Secretary of the Air Force. 2,705,769, Cl. 318—162.
- Cooper, James M., to General Electric Co. 2,717,132, Cl. 244—77.
- Cooper, John E. 2,712,348, Cl. 155—134.
- Cooper, Kenneth K., to General Electric Co. 2,728,351, Cl. 137—516.15.
- Cooper, Kenneth K., and C. A. Dubberley, to General Electric Co. 2,726,032, Cl. 230—22.
- Cooper, La Mar S., to Amana Refrigeration, Inc. 2,720,334, Cl. 220—15.
- Cooper, Lee A. 2,708,914, Cl. 122—13.
- Cooper, Leslie E., and R. N. Lacey, to British Industrial Solvents Ltd. 2,700,685, Cl. 260—632.
- Cooper, Morris L. 2,698,540, Cl. 73—427.
- Cooper, Paul J.: *See*—  
Tuttle, John N., and Cooper. 2,704,599.
- Cooper, Robert S., to Gabb Mfg. Co., Division of The E. Horton & Son Co. 2,701,616, Cl. 180—19.
- Cooper, Victor J., to Marconi's Wireless Telegraph Co. Ltd. 2,698,898, Cl. 250—27.
- Cooper, William A. 2,701,559, Cl. 128—2.
- Coöperatieve Suikerfabriek en Raffinaderij G. A. "Putter-shoek": *See*—  
Van der Made, Dirk, and Smit. 2,723,761.
- Cooperman, Edward. 2,719,302, Cl. 2—73.
- Cooperman, Philip, to Research Corp. 2,722,284, Cl. 183—7.
- Coopersmith, Rudolph. 2,700,777, Cl. 5—264.
- Coopersmith, Rudolph. 2,701,603, Cl. 155—45.
- Coopridge, Rex C., and F. A. Mina, to Zonite Products Corp. 2,702,957, Cl. 215—5.
- Coors, Georg, to Westofen G. m. b. H. 2,722,413, Cl. 268—10.
- Coover, Harry W.: *See*—  
Dickey, Joseph B., Coover, and Stanin. 2,698,842.
- Coover, Harry W., Jr.: *See*—  
Dickey, Joseph B., and Coover. 2,721,876.  
Shearer, Newton H., Jr., and Coover. 2,719,144.
- Coover, Harry W., Jr., to Eastman Kodak Co. 2,719,134, Cl. 260—32.6.
- Coover, Harry W., Jr., and J. B. Dickey, to Eastman Kodak Co. 2,704,751, Cl. 260—77.5.
- Coover, Harry W., Jr., and J. B. Dickey, to Eastman Kodak Co. 2,706,727, Cl. 260—85.5.
- Coover, Harry W., Jr., and J. B. Dickey, to Eastman Kodak Co. 2,706,728, Cl. 260—85.5.
- Coover, Harry W., Jr., and M. A. McCall, to Eastman Kodak Co. 2,716,100, Cl. 260—61.
- Coover, Harry W., Jr., and M. A. McCall, to Eastman Kodak Co. 2,716,101, Cl. 260—61.
- Coover, Harry W., Jr., and M. A. McCall, to Eastman Kodak Co. 2,716,108, Cl. 260—85.5.
- Coover, Harry W., Jr., and N. H. Shearer, Jr., to Eastman Kodak Co. 2,719,175, Cl. 260—561.
- Coover, Harry W., Jr., and N. H. Shearer, Jr., to Eastman Kodak Co. 2,719,176, Cl. 260—561.
- Coover, Harry W., Jr., and N. H. Shearer, Jr., to Eastman Kodak Co. 2,719,177, Cl. 260—561.
- Coover, Harry W., Jr., and N. H. Shearer, Jr., to Eastman Kodak Co. 2,719,178, Cl. 260—562.
- Coover, Harry W., Jr., and J. B. Dickey, to Eastman Kodak Co. 2,725,371, Cl. 260—85.5.
- Coover, Harry W., Jr., and J. B. Dickey, to Eastman Kodak Co. 2,728,749, Cl. 260—79.3.
- Copas, Robert B., and J. Kostyo. 2,719,640, Cl. 214—372.
- Copco Steel and Engineering Co.: *See*—  
Good, Charles R., and Jennings. 2,703,143.
- Cope, Arthur C., to Merck & Co., Inc. 2,725,380, Cl. 260—257.
- Cope, Arthur C., and M. R. Kinter, to the United States of America as represented by the Secretary of the Navy. 2,715,147, Cl. 260—668.
- Cope, Firman E. 2,701,647, Cl. 212—144.
- Cope, Rodolph D., to Motor Products Corp. 2,710,110, Cl. 220—16.
- Copeland, Emery F.: *See*—  
Fausek, Arthur J., and I. F., Reedy, and Copeland. 2,727,413.
- Copeland, Jacob C. 2,698,553, Cl. 88—29.
- Copeland, Lynn L. 2,703,534, Cl. 104—140.
- Copeland, William M., to General Electric Co. 2,719,739, Cl. 287—14.
- Copelin, Harry B., to E. I. du Pont de Nemours and Co. 2,710,788, Cl. 23—84.
- Copelin, Harry B., to E. I. du Pont de Nemours and Company. 2,715,137, Cl. 260—465.8.
- Copeman Laboratories Co.: *See*—  
Copeman, Lloyd G. 2,712,666.  
Copeman, Lloyd G., and Spalding. 2,704,732.  
Taylor, Lloyd H., and Copeman. 2,701,143.  
Taylor, Lloyd H., and Copeman. 2,702,193.
- Copeman, Lloyd G.: *See*—  
Taylor, Lloyd H., and Copeman. 2,702,193.
- Copeman, Lloyd G., to Copeman Laboratories, Co. 2,712,666, Cl. 15—142.



- Copeman, Lloyd G., and D. B. Spalding, to Copeman Laboratories Co. 2,704,732, Cl. 117—155.
- Copenhaver, James E., W. A. Biggs, Jr., W. H. Baxley, and J. T. Wise, to Sonoco Products Co. 2,714,118, Cl. 260—527.
- Copenhaver, John W., to General Aniline & Film Corp. 2,723,287, Cl. 260—488.
- Coplen, George. 2,713,719, Cl. 30—254.
- Copley, Welford E.: *See—*  
Johansen, Gordon W., and Copley. 2,711,807.
- Coppinger, Galvin M.: *See—*  
Campbell, Tod W., and Coppinger. 2,709,657.
- Copple, David E., to A. F. Munter, doing business under the name and style of the American Paulin System. 2,712,238, Cl. 73—386.
- Coppoc, William J.: *See—*  
Sokol, Samuel J., and Coppoc. 2,701,237.
- Coppola, Patrick P.: *See—*  
Hughes, Ray C., and Coppola. 2,716,716.  
Hughes, Ray C., Coppola, and Rittner. 2,700,118.
- Coppola, Patrick P., and R. C. Hughes, to North American Philips Co., Inc. 2,722,626, Cl. 313—346.
- Coral, Victoria G. 2,699,173, Cl. 132—111.
- Corbière, Paul J., and P. Froger, to Societe "Rhodiacta." 2,723,440, Cl. 28—21.
- Corbin, William A. 2,699,307, Cl. 244—153.
- Corcoran, John F., R. E. Cryor, and C. Rector; said Corcoran and said Cryor assors. to Union Asbestos & Rubber Co. 2,711,354, Cl. 308—88.
- Corcoran, Milton R.: *See—*  
Corcoran, Theodore P. and M. R. 2,725,263.
- Corcoran, Theodore P. and M. R. 2,725,263, Cl. 306—19.
- Corcoran, William H.: *See—*  
Beacham, Robert C., Butler, and Corcoran. 2,698,619.  
Rubin, Sylvan, Corcoran, and Longwell. 2,728,295.
- Cordes, Edward V., Jr.: *See—*  
Cooper, Benjamin, and Cordes. 2,728,885.
- Cordis, Nat. 2,702,335, Cl. 219—38.
- Cordis, Nat. 2,707,045, Cl. 198—44.
- Cordis, Nat. 2,718,969, Cl. 214—17.
- Cordrey, Letha O. W. 2,708,925, Cl. 126—25.
- Core Laboratories Inc.: *See—*  
Kelton, Frank C. 2,713,789.
- Coren, Lewis W. 2,698,658, Cl. 161—15.
- Corey, Richard C.: *See—*  
Elliott, Martin A., Corey, and Perry. 2,703,275.
- Corhart Refractories Co.: *See—*  
Duerr, Francis R. 2,705,851.
- Cork, Bruce B.: *See—*  
Lawson, James L., and Cork. 2,712,646.
- Cork, Edward C., to Electric & Musical Industries Limited. 2,715,184, Cl. 250—33.
- Cork, Edward C., and M. B. Manifold, to Electric & Musical Industries Ltd. 2,701,864, Cl. 333—96.
- Corley, Buren L., and B. T. Insley; said Insley assor. to said Corley. 2,714,381, Cl. 128—61.
- Corley, Mark H., B. A. Arvidson, and R. F. Barber, to Miller Wrapping & Sealing Machine Co. 2,707,046, Cl. 198—190.
- Corley, Mark H., and R. F. Barber, to Miller Wrapping & Sealing Machine Co. 2,722,093, Cl. 53—17.
- Corn, David C. 2,703,178, Cl. 211—60.
- Corn, John A. 2,717,014, Cl. 150—4.
- Cornell, Ernest R., to E. I. du Pont de Nemours and Co. 2,712,384, Cl. 206—84.
- Cornelius, Gail, to R. M. Wade & Co. 2,702,717, Cl. 287—52.
- Cornelius, George. 2,728,115, Cl. 20—2.
- Cornelius, George W. 2,722,927, Cl. 123—119.
- Cornelius, Nelson F. 2,717,178, Cl. 299—97.
- Cornelius, Richard T. Re. 23,992, Cl. 103—133.
- Cornell Aeronautical Laboratory, Inc.: *See—*  
Dye, Edward R. 2,709,810.
- Cornell, George W., one-half to W. E. Cornell, Jr. 2,718,677, Cl. 20—64.
- Cornell, Jacob, to Chrysler Corp. 2,705,372, Cl. 33—126.7.
- Cornell Paperboard Products Co.: *See—*  
Seith, Theodore L. 2,708,545.
- Cornell, W. Elder, Jr.: *See—*  
Cornell, George W. 2,718,677.
- Cornella, Emanuel. 2,716,179, Cl. 219—19.
- Cornet, Edwin, to Radio Corporation of America. 2,715,179, Cl. 250—20.
- Cornett, Archie D., ½ to G. E. Garland. 2,718,624, Cl. 339—184.
- Cornett, Walter V. 2,700,549, Cl. 279—97.
- Cornett, Walter V. 2,723,803, Cl. 241—101.
- Cornhusker Machines Co.: *See—*  
Rerucha, Leo L. 2,724,350.
- Corning Glass Works: *See—*  
Armistead, William H. 2,699,398.  
Armistead, William H. 2,699,399.  
Bailey, Thomas W. 2,710,194.  
Bopp, Harold F. 2,716,300.  
Cleveland, Robert C. 2,716,023.  
Craumer, Henry S. 2,727,147.  
Crawford, Clark A. 2,701,296.  
Dalton, Robert H., and Voss. 2,707,850.  
Graham, Paul N. W., and Lamb. 2,714,227.  
Hopkins, Lloyd C., Schrickel, and Wainwright. 2,699,013.  
Kroeck, William H. 2,701,215.  
Smith, Rowland D. 2,701,220.
- Corn Products Refining Co.: *See—*  
Kerr, Ralph W., and Katzbeck. Re. 23,952.  
Kool, Earl R., and Snyder. 2,712,516.
- Corn States Serum Co., The: *See—*  
Baldwin, Earl M., Jr. 2,719,102.
- Cornwall, Clair M. 2,715,034, Cl. 280—406.
- Cornwall & Patterson Co., The: *See—*  
Harris, Richard C. P. 2,715,926.
- Cornwell, Claude V. 2,700,789, Cl. 16—129.
- Corraccio, Anthony J., and P. P. Spirito. 2,718,651, Cl. 15—105.
- Corral, Joseph S., to North American Aviation, Inc. 2,726,972, Cl. 148—11.5.
- Corral, Joseph S., to North American Aviation, Inc. 2,726,973, Cl. 148—11.5.
- Corrigan, Francis J. 2,712,185, Cl. 36—72.
- Corsette, William T., to Seanay, Inc. 2,723,721, Cl. 166—179.
- Corsini, Neo, to Wooldridge Mfg. Co. 2,706,010, Cl. 180—79.4.
- Corson, Louis R. 2,720,235, Cl. 150—40.
- Corwin, Robert D.: *See—*  
Dodge, Erle H., and Corwin. 2,699,279.
- Cory Corp.: *See—*  
Dale, Sheldon. 2,699,899.  
Karlen, Harvey R. 2,717,303.  
Neuman, Edward C. 2,705,095.
- Cosentino, Anthony F. 2,720,324, Cl. 214—38.
- Cosenza, Francesco. 2,722,759, Cl. 37—66.
- Cosey, Alexander. 2,712,707, Cl. 43—81.
- Cosgrove, George L. 2,726,665, Cl. 131—259.
- Coskun, Mehmet K.: *See—*  
Bachman, Fred E., Seelig, and Coskun. 2,726,096.
- Coskun, Mehmet K., to American Steel Foundries. 2,713,400, Cl. 188—59.
- Cosneck, Bernard J. 2,713,215, Cl. 36—44.
- Cosser, Jack B.: *See—*  
Green, Harold L. and R. D., and Cosser. 2,702,683.
- Cost, William A., to Marmon-Herrington Co., Inc. 2,699,852, Cl. 192—46.
- Costanzo, Philip V. 2,698,647, Cl. 155—43.
- Costello, James R., Jr.: *See—*  
Toy, Arthur D. F., and Costello. 2,706,738.  
Toy, Arthur D. F., and Costello. 2,717,249.
- Costello, Joseph M. 2,728,212, Cl. 67—6.1.
- Costello, Richard L.: *See—*  
Bremmer, John F. 2,728,232.
- Costes, Henri G. A. M., to Regie des Mines de la Sarre. 2,710,672, Cl. 184—55.
- Costes, Henri G. A. M., to Regie des Mines de la Sarre. 2,710,673, Cl. 184—55.
- Costley, Len. 2,725,660, Cl. 43—25.
- Costner, Clarence J.: *See—*  
Robinson, Elvin B., and Costner. 2,724,623.
- Costoff, Socrates. 2,707,329, Cl. 32—48.
- Cotesworth, Harry A.: *See—*  
Anjeskey, Alphonse F., and Cotesworth. 2,700,705.
- Cotman, Charles D., to Brodget Co. 2,700,025, Cl. 260—28.5.
- Cotman, John D., Jr., to Monsanto Chemical Co. 2,716,642, Cl. 260—92.8.
- Cotman, John D., Jr., to Monsanto Chemical Co. 2,716,643, Cl. 260—92.8.
- Cotner, John C., and W. R. Tucker, to H-P-M Development Corp. 2,698,585, Cl. 103—161.
- Cotsakis, Helene C. 2,709,811, Cl. 2—42.
- Cotsworth, Albert, III, to Zenith Radio Corp. 2,700,074, Cl. 179—171.
- Cotsworth, Albert, III, to Zenith Radio Corp. 2,709,201, Cl. 178—7.3.
- Cottar, Robert. 2,709,028, Cl. 224—45.
- Cotter, George L., and H. C. May, to Westinghouse Air Brake Co. 2,707,133, Cl. 303—3.
- Cotter, Perry G. 2,703,750, Cl. 51—309.
- Cotter, Samuel E.: *See—*  
Woehrl, Paul P., and Cotter. 2,712,797.
- Cotterman, Frank D.: *See—*  
Hjulian, Julius A., and Cotterman. 2,698,516.
- Cottle, Delmer L.: *See—*  
Morway, Arnold J., Young, and Cottle. 2,723,957.  
Young, David W., and Cottle. 2,703,786.  
Young, David W., and Cottle. 2,723,286.  
Young, David W., Cottle, and Beach. 2,710,877.  
Young, David W., Cottle, and Fischer. 2,716,096.
- Cottle, Delmer L., and D. W. Young, to Esso Research and Engineering Co. 2,705,724, Cl. 260—484.
- Cottle, Delmer L., and D. W. Young, to Esso Research and Engineering Co. 2,711,415, Cl. 260—404.
- Cottle, Delmer L., B. M. Vanderbilt, and B. I. Smith, to Esso Research and Engineering Co. 2,721,222, Cl. 260—616.
- Cottle, Donald W., to General Electric Co. 2,699,070, Cl. 74—18.
- Cottle, John E., to Phillips Petroleum Co. 2,713,775, Cl. 62—1.
- Cotton, Arthur R., to Walworth Co. 2,718,898, Cl. 137—339.
- Cotton Products Co., Inc.: *See—*  
Newby, Wales H., and Guidry. 2,726,159.
- Cottone, John W.: *See—*  
Peck, Duane F., and Cottone. 2,711,756.
- Cottrell, Newton W., to Union Special Machine Co. 2,712,802, Cl. 112—184.
- Cottrell, Robert B., to American Steel Foundries. 2,706,953, Cl. 105—197.
- Cottrell, Robert B., to American Steel Foundries. 2,723,008, Cl. 188—212.
- Cottrell, Robert B., to American Steel Foundries. 2,726,740, Cl. 188—223.1.
- Cottrell, Vincent E., and S. Deringer; said Cottrell assor. to said Deringer. 2,713,443, Cl. 223—12.



- Cottrell, Vincent E., and S. Deringer, to Easy Way Stamper Machine Co., Inc. 2,724,530, Cl. 223—12.
- Coturno, S. A.: *See*—  
Mediano Capdevila, Gonzalo. 2,701,389.
- Coty, Inc.: *See*—  
Martin, Jean R. L. 2,716,504.
- Couch, Glenn F., to The Symington-Gould Corp. 2,720,848, Cl. 105—224.
- Couch, Karl W., to The Jeffrey Mfg. Co. 2,704,159, Cl. 214—17.
- Couch, Robert de S., and T. J. Muldoon. 2,699,672. Cl. 73—12.
- Couffignal, Pierre L., to Societe Civile d'Etudes de Calcul Automatique (S. C. E. C. A.). 2,709,042, Cl. 235—61.
- Cougar Engineering Co.: *See*—  
Couser, James G. 2,703,165.
- Coughenour, Kenneth M., to Swift & Co. 2,715,749, Cl. 17—45.
- Coughlin, Joseph J., to Radio Corp. of America. Re. 23,932, Cl. 250—27.
- Coughlin, Earl A. 2,726,476, Cl. 43—44.88.
- Coughlin, William B., to Westinghouse Air Brake Company. 2,715,178, Cl. 246—124.
- Coulson, Jacob A.: *See*—  
Turbett, Clyde H. 2,717,443.
- Coulter, Albert W., Jr.: *See*—  
Cardwell, Paul H., and Coulter. 2,713,033.
- Coulter, Harold B., to The Dorr Co. 2,715,462, Cl. 209—159.
- Coulter, Kenneth E.: *See*—  
McDonald, Donald L., Coulter, and McCurdy. 2,727,884.
- Coulter, Wallace H. 2,712,504, Cl. 99—212.
- Coulters, Thomas C. 2,709,454, Cl. 138—74.
- Council of Scientific and Industrial Research: *See*—  
Siddiqui, Salimuzzaman, Sarin, and Varma. 2,707,686.
- Countis, Thomas J., to Collins Radio Co. 2,719,084, Cl. 75—123.
- Countryman, James H. 2,726,679, Cl. 137—555.
- Countryman, James H. 2,727,302, Cl. 30—24.
- Couper, Monroe, and W. K. Wilkinson, to E. I. du Pont de Nemours & Co. 2,709,163, Cl. 260—79.3.
- Courant, Curt J.: *See*—  
Gallagher, William P., and Courant. 2,701,845.
- Coursey, James E.: *See*—  
Talley, John F., and Coursey. 2,706,056.
- Courson, George F., to Industrial Rayon Corp. 2,706,040, Cl. 206—65.
- Courson, Russell L.: *See*—  
Bell, Robert J., and Courson. 2,720,922.
- Court, Jean, and R. C. Robert, to Mefina S. A. 2,704,987, Cl. 112—241.
- Courtaulds Ltd.: *See*—  
Atkins, Arthur A. 2,715,505.
- Smith, John O. 2,714,938.
- Stoneman, John P. 2,721,865.
- Tallis, Ernest E. 2,716,083.
- Weigham, William R., Smith, and Johnson. 2,717,742.
- Courtet, Robert J. M.: *See*—  
Hugel, Georges L., Lerer, and Courtet. 2,704,744.
- Courtier, Armand J., to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey. 2,707,695, Cl. 167—40.
- Courtney, Howard W., to Raytheon Mfg. Co. 2,703,879, Cl. 340—347.
- Courtney, James. 2,719,927, Cl. 307—112.
- Courtney, Joseph F., and A. C. Radtke, to International Harvester Co. 2,700,253, Cl. 49—17.
- Courtney, Joseph F., and A. C. Radtke, to International Harvester Co. 2,720,728, Cl. 49—17.
- Courts, Emmett J. 2,699,403, Cl. 117—47.
- Courtwright, Robert M., to Furniture Arts, Inc. 2,698,775, Cl. 311—114.
- Couser, James G., to Cougar Engineering Co. 2,703,165, Cl. 193—37.
- Cousino, Walter P.: *See*—  
Hunter, William A., and Cousino. 2,710,203.
- Cousino, Walter F. 2,722,047, Cl. 29—149.5.
- Cousins, Fred M., to General Motors Corp. 2,704,439, Cl. 60—39.51.
- Cousy, Edwin V.: *See*—  
Williams, Everard M., and Cousy. 2,703,399.
- Coutant, Jay G., to Barium Steel Corp. 2,715,575, Cl. 75—41.
- Couture, Allan B.: *See*—  
Iavelli, Teno, Syrovoy, and Couture. 2,701,948.
- Covely, Frank D., 3rd, to Radio Corp. of America. 2,718,609, Cl. 315—13.
- Coven, Lee F., to The Cleveland Shopping News Co. 2,714,242, Cl. 29—70.
- Covey, Lurana B. 2,720,436, Cl. 311—21.
- Covert, Don N., and R. L. Denney, to The Federal Bearings Co., Inc. 2,727,764, Cl. 286—5.
- Covi, John B. 2,711,788, Cl. 160—25.
- Covillo, Michael: *See*—  
Clayton, William. 2,706,661.
- Covington, Gary V. 2,723,161, Cl. 299—92.
- Covington, John T. 2,700,924, Cl. 97—46.63.
- Covington, William P., 50% to R. L. Burkholder. 2,703,831, Cl. 200—80.
- Covucci, Charles C. 2,709,631, Cl. 311—90.
- Cowan, John C.: *See*—  
Jones, Edwin P., Dutton, and Cowan. 2,718,468.
- Cowan, R. Guy, to Onondaga Pottery Co. Re. 23,918, Cl. 65—15.
- Cowden, Herbert B.: *See*—  
Yutzy, Henry C., and Cowden. 2,725,298.
- Cowdroy, Thorp C. 2,728,101, Cl. 16—88.
- Cowell, Harvey J. 2,712,259, Cl. 81—179.
- Cowen, Frank M., and R. K. Madison, to American Cyanamid Co. 2,723,999, Cl. 260—615.
- Cowhey, James S.: *See*—  
Carter, Charles W., and Cowhey. 2,720,006.
- Carter, Charles W., and Cowhey. 2,720,007.
- Cowie, Wilbur E., and A. E. Blouin, to Her Majesty the Queen in the right of Canada as represented by the Minister of National Defence. 2,713,167, Cl. 2—2.
- Cowles Chemical Co.: *See*—  
MacMullen, Clinton W., and Marzocchi. 2,723,211.
- Cowles Co., The: *See*—  
Cowles, Edwin. 2,703,533.
- Cowles, Edwin, to The Cowles Co. 2,703,533, Cl. 92—26.
- Cowles, John E. 2,701,291, Cl. 219—12.
- Cowlshaw, Frank: *See*—  
Muschamp, Norman J., and Cowlshaw. 2,723,100.
- Cox, Arthur, to Bell & Howell Co. 2,720,813, Cl. 88—57.
- Cox, Charlie B. 2,715,971, Cl. 214—38.
- Cox, David C.: *See*—  
Cox, William M., and D. C. 2,724,861.
- Cox, Dean S.: *See*—  
Perry, Edmond S., and Cox. 2,701,261.
- Cox, George R. 2,704,130, Cl. 170—172.
- Cox, Gilbert R., to Olin Mathieson Chemical Corp. 2,715,574, Cl. 52—20.
- Cox, Glenn H., and T. T. Smith, deceased (R. F. Brandt administrator), 25% to P. F. Nockels and E. L. Miller. 2,709,029, Cl. 226—14.
- Cox, Harold L., to National Research Development Corp. 2,706,907, Cl. 73—91.
- Cox, Irvin W., to Cutler-Hammer, Inc. 2,698,766, Cl. 297—9.
- Cox, Irvin W., to Cutler-Hammer, Inc. 2,704,313, Cl. 200—116.
- Cox, Irvin W., to Cutler-Hammer, Inc. 2,728,830, Cl. 200—140.
- Cox, James L., to Duro-Test Corp. 2,710,270, Cl. 117—217.
- Cox, James L., and A. Sharkey, to Duro-Test Corp. 2,699,514, Cl. 313—109.
- Cox, John C., and J. G. Van Nest, to Purolator Products, Inc. 2,726,184, Cl. 154—83.
- Cox, John R.: *See*—  
Abramoska, Alfred A., and Cox. 2,704,671.
- Cox, Joseph B., to Oregon Saw Chain Corp. 2,705,376, Cl. 33—202.
- Cox, Joseph W., Jr.: *See*—  
Ahlberg, Jacob E., and Cox. 2,719,829.
- Cox, Linvell A., to Illinois Tool Works. 2,707,012, Cl. 151—35.
- Cox, Linvell A., to Illinois Tool Works. 2,716,487, Cl. 209—91.
- Cox, Robert E.: *See*—  
Silver, Walter H., and Cox. 2,713,296.
- Cox, Thomas O., H. C. Rankin, and S. A. Trott, to T. S. Ansel. 2,698,729, Cl. 251—25.
- Cox Tire Machinery Co.: *See*—  
Cox, William M., and D. C. 2,724,861.
- Cox, Walter C. 2,700,345, Cl. 105—29.
- Cox, Walter C. 2,709,968, Cl. 105—75.
- Cox, William A.: *See*—  
Aguilar, John G., and Cox. 2,714,411.
- Cox, William M., and D. C., to W. M. Cox, d. b. a. Cox Tire Machinery Co. 2,724,861, Cl. 18—18.
- Coy, Dorothy A.: *See*—  
Coy, Laura M., and D. A. 2,715,928.
- Coy, Laura M., and D. A. 2,715,928, Cl. 150—3.
- Coyle, Paul J. 2,713,817, Cl. 97—188.
- Coyne, André, and J. Bellier. 2,720,112, Cl. 73—144.
- Coyne, William R.: *See*—  
Brabender, Carl W., and Coyne. 2,709,914.
- Coyner, James M. 2,713,322, Cl. 119—10.
- Cozza, Florindo F.: *See*—  
Witzke, Ernest C., and Cozza. 2,725,041.
- Cozzo, Giuseppe, to Hydropress, Inc. 2,699,196, Cl. 153—87.
- Cozzoli, Frank J. 2,704,147, Cl. 198—32.
- Cozzoli, Frank J. 2,726,771, Cl. 211—74.
- Crabbe, John D., and E. Holroyd, to Dunlop Tire and Rubber Corp. 2,708,228, Cl. 219—4.
- Crabtree, David, & Sons Ltd.: *See*—  
Felton, William. 2,717,117.
- Crabtree, Ernest L. 2,718,364, Cl. 244—12.
- Crabtree, George W. 2,728,419, Cl. 188—88.
- Crabtree, J. A., & Co. Ltd.: *See*—  
Crabtree, John A., Wintle, and Alter. 2,712,440.
- Crabtree, John A., T. D. G. Wintle, and S. Alter, to J. A. Crabtree & Co. Ltd. 2,712,440, Cl. 267—1.
- Crabtree, R. W., & Sons Ltd.: *See*—  
Murrell, John T., Gladden, and Dew. 2,709,808.
- Craddock, Charles L., to Michael Research Co., Inc. 2,717,336, Cl. 315—183.
- Craemer, Karl, and F. Hoelscher, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,719,831, Cl. 260—29.4.
- Craemer, Karl, and F. Hoelscher, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,719,832, Cl. 260—29.4.
- Craft-Bilt Co.: *See*—  
Hansen, Cecil F. 2,703,196.
- Craft, William P. 2,722,359, Cl. 228—42.
- Crafton, Henry H., to H. H. Robertson Co. 2,708,958, Cl. 153—2.
- Crafts, Curtis S., to The Goss Printing Press Co. 2,718,848, Cl. 101—364.
- Crafts, Walter: *See*—  
Spendelow, Howard R., Jr., and Crafts. 2,703,277.
- Craggs, James H., Jr. 2,711,598, Cl. 37—62.



- Craick, William, and K. Milne, and H. B. Taylor, to General Electric Co. 2,700,138, Cl. 333—98.
- Craig, Alfred B., to The Chemstrand Corp. 2,726,132, Cl. 8—17.
- Craig, Alfred B., and G. E. Ham, to The Chemstrand Corp. 2,716,640, Cl. 260—85.5.
- Craig, Alfred B., and G. E. Ham, to The Chemstrand Corp. 2,719,834, Cl. 260—45.5.
- Craig, Burnie J. 2,705,882, Cl. 70—135.
- Craig, Burnie J. 2,705,883, Cl. 70—264.
- Craig, Burnie J. 2,705,884, Cl. 70—264.
- Craig, Burnie J. 2,705,885, Cl. 70—264.
- Craig, Burnie J. 2,706,129, Cl. 292—280.
- Craig, Burnie J. 2,713,846, Cl. 118—64.
- Craig, Burnie J. 2,726,535, Cl. 70—265.
- Craig, Burnie J. 2,726,536, Cl. 70—265.
- Craig, Burnie J. 2,726,537, Cl. 70—265.
- Craig, Burnie J. 2,726,538, Cl. 70—265.
- Craig, Burnie J. 2,728,214, Cl. 70—149.
- Craig, Clifton A.: See—
- Edinborough, John F., and Huey. 2,699,967.
- Strong, James S., Craig, and Elkind. 2,700,668.
- Craig, David: See—
- Russell, John K., Craig, Byrd, and Maeder. 2,727,028.
- Craig, David A. 2,699,625, Cl. 43—53.5.
- Craig, Leo S., and A. Kaufman, to Monmouth Electric Co. 2,714,149, Cl. 201—63.
- Craig, Leo S., and A. Kaufman, to Monmouth Electric Co. 2,726,305, Cl. 201—63.
- Craig, Ollison, to Riley Stoker Corp. 2,716,002, Cl. 241—43.
- Craig, Ralph W. 2,710,755, Cl. 273—122.
- Craig, W E.: See—
- Cook, Richard S., and Craig. 2,702,302.
- Lo, Chien-Pen, and Craig. 2,708,679.
- Craig, W E, E. Y. Shropshire, and H. F. Wilson, to Rohm & Haas Co. 2,720,548, Cl. 260—618.
- Craig, Willis G., to The Lubrizol Corp. 2,724,726, Cl. 260—543.
- Craig, Willis G., and W. A. Higgins, to The Lubrizol Corp. 2,724,725, Cl. 260—543.
- Craig, Willis G., and C. O. Miller, to The Lubrizol Corp. 2,727,067, Cl. 260—545.
- Craig, Willis G., and W. A. Higgins, to The Lubrizol Corp. 2,727,073, Cl. 260—607.
- Craiglow, Robert L., to Collins Radio Co. 2,727,296, Cl. 29—25.35.
- Craik, Everett W. 2,707,501, Cl. 143—118.
- Crain, Harry M., to The Pennsylvania Research Corp. 2,726,048, Cl. 242—55.
- Crain, Harry M., to The Pennsylvania Research Corp. 2,726,049, Cl. 242—55.
- Crain, Nick: See—
- House, Samuel G. 2,728,556.
- Crake, Wilfred S., to Shell Development Co. 2,727,730, Cl. 255—73.
- Cram, Hervey G. 2,718,179, Cl. 92—28.
- Cram, Hervey G., to Combined Locks Paper Co. 2,727,441, Cl. 92—30.
- Cramer, Clarence H. 2,725,852, Cl. 119—51.
- Cramer, R. W., Co., Inc., The: See—
- Gates, Eugene H., Jr. 2,722,297.
- Cramer, William E.: See—
- Orth, Howard S., Oberst, and Cramer. 2,713,712.
- Crampton, Alton B., to Standard Oil Development Co. 2,702,592, Cl. 158—36.5.
- Crampton Mfg. Co.: See—
- Savage, Leonard H. 2,717,797.
- Crandall, Charles B., to Barber-Colman Co. 2,713,192, Cl. 28—44.
- Crandall, Henry C., to Mosinee Paper Mills Co. 2,699,389, Cl. 92—3.
- Crandall, John L., to E. I. du Pont de Nemours and Co. 2,722,512, Cl. 204—158.
- Crandall, Julian T. 2,712,263, Cl. 87—1.
- Crandall, Ronald E., to Northrop Aircraft Inc. 2,699,687, Cl. 74—479.
- Crane & Breed Casket Co., The: See—
- Slaughter, Bernard J., Jr., and Van Pelt. 2,723,147.
- Crane Co.: See—
- Bredtschenider, Kurt B. 2,699,800.
- Cantalupo, Francis J. 2,716,427.
- Fennema, Richard. 2,701,705.
- Glaza, Thaddeus J. 2,714,043.
- Hansen, George E. 2,700,560.
- Hansen, George E. 2,726,404.
- Hansen, George E. 2,727,784.
- Hansen, George E., and Carr. 2,725,076.
- Hansen, George E., and Paulius. 2,699,179.
- Hjullian, Julius A. 2,705,610.
- Hjullian, Julius A. 2,713,873.
- Hjullian, Julius A., and Cotterman. 2,698,516.
- Sticha, Ernest A. 2,718,482.
- Stone, Carl R. 2,719,536.
- Till, Robert A., Anderson, and Acosta. 2,722,401.
- Uphues, Frank P. 2,722,689.
- Crane, Douglas, J. E. Griffin, and F. A. Haggerty, to Western Electric Co., Inc. 2,710,904, Cl. 219—17.
- Crane, George B., to E. I. du Pont de Nemours and Company. 2,715,138, Cl. 260—465.8.
- Crane, Grant, and W. S. Barnhart, to The Firestone Tire & Rubber Co. 2,700,688, Cl. 260—653.
- Crane, H. W., Co.: See—
- Nunn, Herbert E., Jr. 2,726,099.
- Crane, Howard B. 2,714,711, Cl. 339—74.
- Crane Packing Co.: See—
- Boettcher, Stephen A. 2,722,089.
- Main, Merrill M. 2,716,034.
- Solari, Archie J. 2,728,591.
- Crane, Walton B., to Max Factor & Co. 2,699,888, Cl. 222—212.
- Cranford, Elmo L.: See—
- Newland, Clarence D., and Cranford. 2,715,897.
- Crank, Elry D. 2,712,329, Cl. 144—208.
- Crank, Harold R., to T. E. Scofield. 2,713,302, Cl. 99—238.5.
- Cranshaw, Harold B., to Burnitol Mfg. Co. 2,703,410, Cl. 4—274.
- Cranston, Albert E., Sr., to Cranston Steel Strapping Co. 2,705,914, Cl. 100—28.
- Cranston, Hoy A., to C. S. Miner. 2,717,211, Cl. 99—54.
- Cranston, Hoy A., to D. F. Kelly. 2,727,066, Cl. 260—537.
- Cranston Steel Strapping Co.: See—
- Cranston, Albert E., Sr. 2,705,914.
- Craps, Elizabeth: See—
- Lightfoot, Byron S. 2,728,843.
- Crater, Wilbur D., and H. Shapiro, to Propulsion Research Corp. 2,724,965, Cl. 73—136.
- Craumer, Henry S., to Corning Glass Works. 2,727,147, Cl. 250—40.
- Cravener, Earl, to Pittsburgh Plate Glass Co. 2,714,567, Cl. 154—2.7.
- Craver, Albert F., to The Cleveland Heater Co. 2,710,833, Cl. 204—197.
- Crawford, Allan, to Mohawk Carpet Mills, Inc. 2,701,586, Cl. 139—104.
- Crawford, Arthur R.: See—
- Ongaro, Theodore, and Crawford. 2,711,647.
- Crawford, Carlos E. 2,701,620, Cl. 183—2.7.
- Crawford, Charles P. 2,728,346, Cl. 131—10.
- Crawford, Clark A., to Corning Glass Works. 2,701,296, Cl. 219—43.
- Crawford, Eva. 2,699,748, Cl. 116—119.
- Crawford, F. Weldon: See—
- Hutchins, Joseph W., and Crawford. 2,706,253.
- Crawford, Francis W., to Phillips Petroleum Co. 2,724,304, Cl. 88—14.
- Crawford, George E. 2,725,650, Cl. 37—144.
- Crawford, Herman E. 2,714,298, Cl. 66—24.
- Crawford, James H., to Fort Wayne Corrugated Paper Co. 2,702,662, Cl. 229—16.
- Crawford, James V., and R. W. Jensen, to The Garrett Corp. Re. 24,061, Cl. 114—207.
- Crawford, Jesse A.: See—
- Visser, Gerrit A., Melchert, and Crawford. 2,726,316.
- Visser, Gerrit A., Melchert, and Crawford. 2,727,115.
- Crawford, John F., deceased, by M. A. Crawford, executrix, to J. I. Case Co. 2,725,769, Cl. 78—60.
- Crawford, John F., deceased, by M. A. Crawford, executrix, to J. I. Case Co. 2,727,298, Cl. 29—81.
- Crawford, Laurel A. 2,714,775, Cl. 37—144.
- Crawford, Maude A.: See—
- Crawford, John F. 2,725,769.
- Crawford, John F. 2,727,298.
- Crawford, N. B. 2,700,963, Cl. 123—33.
- Crawford, Paul B., to Socony Mobil Oil Co., Inc. 2,722,277, Cl. 166—11.
- Crawford, Ralph W.: See—
- Fisher, Herman G., Sly, Crawford, and Doe. 2,724,925.
- Crawford, Richard A.: See—
- Semegen, Stephen T., and Crawford. 2,726,221.
- Crawford, Richard A., and R. T. Morrissey, to The B. F. Goodrich Co. 2,720,479, Cl. 154—130.
- Crawford, Ruby J., to Avco Mfg. Corp. 2,704,320, Cl. 219—37.
- Crawford, Samuel W., to General Electric Co. 2,700,871, Cl. 60—39.1.
- Crawford, Thomas B., and C. C. Gorman. 2,703,473, Cl. 54—23.
- Crawford, Thomas V.: See—
- Smith, Alexander, and Crawford. 2,723,099.
- Crawford, Wayland H., to Modern Village Stores, Inc. 2,723,728, Cl. 186—1.
- Crawford, William G. 2,704,994, Cl. 118—255.
- Crawford, William S., and A. S. Graham. 2,728,432, Cl. 193—17.
- Crawford, Winford M.: See—
- Urey, George M., Porch, Jarrett, and Crawford. 2,714,141.
- Crayford, Robert M., to L. F. Hill, trustee. 2,700,731, Cl. 250—27.
- Creamer, Edgar M., Jr., to Philco Corp. 2,723,306, Cl. 178—5.4.
- Creasy, Macajah R. 2,707,920, Cl. 103—114.
- Crecelius, Samuel B., to Devoe & Reynolds Co., Inc. Re. 24,047, Cl. 260—18.
- Crede, John H., and J. P. Martin, to Allegheny Ludlum Steel Corp. 2,728,697, Cl. 148—120.
- Creed and Co. Ltd.: See—
- Mason, Frederick P., and Wats. 2,705,739.
- Creek, John O., to A. V. Roe Canada Ltd. 2,702,495, Cl. 90—11.
- Creek, John O., to A. V. Roe Canada Ltd. 2,726,578, Cl. 90—13.
- Creek, John O., and E. W. Dawson, to A. V. Roe Canada Limited. 2,714,765, Cl. 33—174.
- Creegan, Harry F.: See—
- Belcher, Harold H., and Creegan. 2,706,391.
- Crehan, William J.: See—
- Talmey, Paul, and Crehan. 2,717,218.



- Creighton, Robert H. J., to Shawinigan Chemicals Ltd. 2,723,184, Cl. 23—151.  
 Creighton, Thomas A., to V. N. Creighton. 2,712,854, Cl. 166—242.  
 Creighton, Vera N.: *See*—  
   Creighton, Thomas A. 2,712,854.  
 Cremard, Fiore: *See*—  
   Giambra, Santo, Jr. 2,703,179.  
 Cremard, John: *See*—  
   Giambra, Santo, Jr. 2,703,179.  
 Crenshaw, Clarence W. 2,711,036, Cl. 37—159.  
 Crescent Co. Inc., The: *See*—  
   Anderson, Thure B. 2,713,155.  
 Cresci, Anthony L. 2,706,102, Cl. 254—8.  
 Crescent Dental Mfg. Co.: *See*—  
   Clark, Edwin B. 2,727,307.  
 Creskoff, Jacob J.: *See*—  
   Billner, Karl P., Creskoff, and Maxwell. 2,715,038.  
 Cressman, George W., to General Electric Co. 2,711,640, Cl. 67—31.  
 Cressman, George W., W. E. Kotsch, and C. Severin, to General Electric Co. 2,726,965, Cl. 106—48.  
 Cressman, Homer W. J., and S. S. Fierke, to Eastman Kodak Co. 2,698,795, Cl. 95—2.  
 Cresson, George M., to International Standard Electric Corp. 2,723,302, Cl. 174—138.  
 Cresswell, Arthur: *See*—  
   Wizon, Irvin, Cummings, and Cresswell. 2,714,052.  
 Cresswell, Arthur, to American Cyanamid Co. 2,726,769, Cl. 210—164.  
 Crest Laboratories, Incorporated: *See*—  
   Szekely, George J. 2,715,094.  
 Crest Specialty (Not Inc.): *See*—  
   Manaster, Ben B. 2,709,814.  
 Creveling, Cyrus J., and L. Mautner, to the United States of America as represented by the Secretary of the Navy. 2,708,736, Cl. 324—103.  
 Crew, Lewis A.: *See*—  
   Harris, Dale C., Wiest, Rosegart, and Crew. 2,705,751.  
 Crew, Theodore F. 2,706,924, Cl. 81—182.  
 Crew, Theodore F. 2,706,960, Cl. 115—42.  
 Crews, Lowell T.: *See*—  
   Kalinowski, Mathew L., Crews, and MacLaren. 2,728,682.  
 Crewson, George G., and J. R. Ryan, to Food Machinery and Chemical Corp. 2,724,640, Cl. 23—207.  
 Crichton, Andrew B., Jr. 2,717,674, Cl. 192—20.  
 Crichton, Andrew B., Jr., and C. G. Wennerstrom, to The Crichton Co. 2,713,799, Cl. 74—425.  
 Crichton Co., The: *See*—  
   Crichton, Andrew B., Jr., and Wennerstrom. 2,713,799.  
 Cri-Dan: *See*—  
   Castelli, Xavier F. 2,709,924.  
 Crider, Florence M. 2,711,584, Cl. 30—124.  
 Criger, Glenn M., to Food Machinery and Chemical Corp. 2,716,500, Cl. 214—306.  
 Criger, John W. 2,704,372, Cl. 9—21.  
 Crile, Eugene E. 2,701,655, Cl. 214—75.  
 Crim, Thomas H.: *See*—  
   Strain, Daniel E., and Crim. 2,711,986.  
 Criner, Charles B., to Aluminum Co. of America. 2,706,680, Cl. 75—139.  
 Crino, John J. 2,710,449, Cl. 30—322.  
 Cripps, Ernest T. 2,707,325, Cl. 30—1.  
 Cripps, John: *See*—  
   Chilman, John A., Mapp, and Cripps. 2,710,355.  
 Crisafulli, Carmelo: *See*—  
   Crisafulli, Samuel L. and C. 2,698,804.  
 Crisafulli, Samuel L. and C. 2,698,804, Cl. 99—156.  
 Criscuolo, Edward L., and D. T. O'Connor, to the United States of America as represented by the Secretary of the Navy. 2,720,607, Cl. 313—57.  
 Crist, Buckley, to Glascock Brothers Mfg. Co. 2,726,841, Cl. 251—120.  
 Criswell, Walter H. 2,721,591, Cl. 145—66.  
 Criterion Bell & Specialty Co., Inc.: *See*—  
   Damast, Abraham. 2,713,319.  
 Critoph, David I.: *See*—  
   Gilbert, William, and Critoph. 2,703,045.  
 Crittendon, Lexie R., and P. R. Haskell, to Remington Arms Co., Inc. 2,719,375, Cl. 42—17.  
 Critzer, Lyle H. 2,714,649, Cl. 219—19.  
 Critzman, Clarence G., and R. Royce, to American Can Co. 2,700,614, Cl. 99—186.  
 Crociata, Nicholas. 2,712,702, Cl. 38—16.  
 Crocker, Ernest C., to The Lane Co., Inc. 2,716,621, Cl. 117—161.  
 Crocker, William D., and C. Strniste, to American Bosch Arms Corp. 2,725,436, Cl. 200—61.39.  
 Crockett, Earnest L.: *See*—  
   Crockett, Thomas E. 2,705,808.  
 Crockett, Thomas E., to E. L. Crockett. 2,705,808, Cl. 4—57.  
 Croft, Arthur, D. W. Hammond, and M. T. J. Goff, to Crofts (Engineers) Ltd. 2,714,458, Cl. 214—23.  
 Croft, Harry P., to Kennecott Copper Corp. 2,721,797, Cl. 75—175.5.  
 Crofts (Engineers) Ltd.: *See*—  
   Croft, Arthur, Hammond, and Goff. 2,714,458.  
 Croix, Louise S.: *See*—  
   Shukys, Julius G., Fiordalisi, and Croix. 2,727,900.  
 Croker, Jack E.: *See*—  
   Anderson, John M., Croker, and Glishke. 2,705,781.  
 Cromartie, Mary L. J. 2,719,656, Cl. 223—68.  
 Cromer, Jeremiah K., and D. H. Wright. 2,710,000, Cl. 128—2.  
 Crompton & Knowles Loom Works: *See*—  
   Bergstrom, Carl P. 2,720,894.  
   Bergstrom, Carl P., and Darwin. 2,699,184.  
   Dion, Raymond F., and Nims. 2,703,589.  
   Herard, Archibald J., Jr. 2,707,973.  
   Herard, Archibald J., Jr. 2,712,832.  
   Hollis, James E., Jr. 2,705,976.  
   Hutchins, Allan S. 2,714,401.  
   Kimmel, William E. 2,709,459.  
   Krukoni, Alexander C. 2,699,183.  
   Krukoni, Alexander C. 2,703,588.  
   Laraia, Artemio, and Sepavich. 2,715,421.  
   Nims, Philip A. 2,720,895.  
   Nims, Philip A. 2,723,685.  
   Peterson, George N. 2,713,357.  
   Pusateri, Francesco J. 2,699,185.  
   Sepavich, Victor F. 2,703,591.  
   Turner, Richard G. 2,714,403.  
 Cromwell Paper Co., The: *See*—  
   Stern, Walter. 2,704,183.  
 Cronan, Walter, 1/2 to Murray-American Corp. 2,710,512, Cl. 51—282.  
 Crone, Albert H., to Geo. D. Roper Corp. 2,703,837, Cl. 240—4.  
 Cronheim, Georg E., N. H. Leake, and M. L. Fielden, to The S. E. Massengill Co. 2,717,899, Cl. 260—469.  
 Cronheim, Georg E., N. H. Leake, and M. L. Fielden, to The S. E. Massengill Co. 2,721,826, Cl. 167—65.  
 Cronin, Edward F., to General Electric Co. 2,719,875, Cl. 174—75.  
 Cronin, Leo J., to Raytheon Mfg. Co. 2,725,287, Cl. 75—5.  
 Cronin, William J. 2,717,526, Cl. 81—3.44.  
 Cronwell, John. 2,725,778, Cl. 84—1.16.  
 Crook, Archie W.: *See*—  
   Thompson, Frederick C., Esterson, and Crook. 2,727,185.  
 Crook, Isadore. 2,704,206, Cl. 259—4.  
 Crooke, Raymond E.: *See*—  
   Ford, Hannibal C., Crooke, and Newell. 2,702,667.  
 Crooker, David E., 1/2 to L. L. Felker. 2,720,906, Cl. 152—211.  
 Crooks, Milton: *See*—  
   Wirth, Dick, Anderson, and Crooks. 2,724,838.  
 Crooks, Ralph K., to Westinghouse Air Brake Co. 2,721,979, Cl. 332—2.  
 Crooks, William R., to The Cooper-Bessemer Corp. 2,725,742, Cl. 73—49.4.  
 Crooks, William R., to The Cooper-Bessemer Corp. 2,725,897, Cl. 138—31.  
 Crookshank, Donald P., to W. V. Stroud. 2,724,360, Cl. 116—118.  
 Crookston, Robert R., to Esso Research and Engineering Co. 2,716,997, Cl. 137—102.  
 Crookston, Robert R., to Esso Research and Engineering Co. 2,722,402, Cl. 251—324.  
 Crookston, Robert R., and A. L. Seljos, to Esso Research and Engineering Co. 2,726,846, Cl. 254—187.  
 Crookston, Robert R., and H. F. Griffin, to Esso Research and Engineering Co. 2,728,547, Cl. 251—28.  
 Croome, Clifford: *See*—  
   Bourne, Joseph B., and Croome. Re. 24,027.  
 Cropanese, Joseph. 2,703,693, Cl. 248—255.  
 Cronley, William D., to The Hoover Co. 2,719,599, Cl. 183—51.  
 Crosby, George A.: *See*—  
   Leslie, John H., II, and Crosby. 2,707,429.  
   Leslie, John H., II, and Crosby. 2,707,430.  
 Crosby, George A., to Signode Steel Strapping Co. 2,710,435, Cl. 24—23.  
 Crosby, Murray G. 2,705,775, Cl. 332—41.  
 Crosby, Murray G. 2,720,583, Cl. 250—20.  
 Crosby Steam Gage and Valve Co.: *See*—  
   Miller, Philip H. 2,727,386.  
 Crosset, Louis P. 2,719,412, Cl. 64—14.  
 Croschier, Walter J.: *See*—  
   Boat, Earl M., and Croschier. 2,707,931.  
 Crosier, George D.: *See*—  
   Poirier, Arthur. 2,726,422.  
 Crosley Broadcasting Corp.: *See*—  
   Rockwell, Ronald J. 2,711,512.  
 Crossman, Loring P., to Remington Rand Inc. 2,700,503, Cl. 235—61.  
 Crossman, Loring P., to Remington Rand Inc. 2,706,597, Cl. 235—61.  
 Cross, Bertram J., to Combustion Engineering, Inc. 2,726,645, Cl. 122—379.  
 Cross, Charles, to Automatic Temperature Control Co., Inc. 2,722,641, Cl. 318—31.  
 Cross, Joseph A., to Mojonner Bros., Inc. 2,703,610, Cl. 159—17.  
 Cross, Lawrence P. 2,698,960, Cl. 17—45.  
 Cross, Lawrence P. 2,698,961, Cl. 17—45.  
 Cross, Marvin W., and D. M. Mercer. 2,705,552, Cl. 192—45.  
 Cross, Reginald J., 1/2 to Essex Aero Ltd. 2,724,979, Cl. 74—459.  
 Cross, Thomas E. 2,728,575, Cl. 273—42.  
 Cross, William E. 2,718,062, Cl. 33—75.  
 Crossett Lumber Co.: *See*—  
   Elderkin, Karl O. 2,706,434.  
 Crossland, Edward J., to Seismograph Service Corp. 2,716,747, Cl. 343—105.  
 Crossley, J. L.: *See*—  
   Wall, James L. 2,700,708.  
 Croteau, Wilfrid, to Draper Corp. 2,723,687, Cl. 139—365.



- Crothers, Paul D., to Bendix Aviation Corp. 2,703,719, Cl. 285—46.
- Crotty Mfg. Corp.: *See*—  
Crotty, Michael C. 2,708,913.
- Crotty, Mary A.: *See*—  
Crotty, Michael C. 2,708,913.
- Crotty, Michael C., deceased; M. A. Crotty, executrix, to Crotty Mfg. Corp. 2,708,913, Cl. 122—1.
- Crouch, Donald W., J. H. Snell, Jr., and T. J. Carpenter, to General Electric Co. 2,728,016, Cl. 313—268.
- Crouch, Marshall J. 2,708,454, Cl. 139—28.
- Crouch, Willie W.: *See*—  
Schulze, Walter A., and Crouch. 2,721,185.
- Crouch, Willie W., and R. P. Louthan, to Phillips Petroleum Co. 2,720,543, Cl. 260—609.
- Croucher, Henry G., to The Monotype Corp. Ltd. 2,701,991, Cl. 95—4.5.
- Croucher, Henry G., to The Monotype Corp. Ltd. 2,715,942, Cl. 164—112.
- Crounse, Nathan N., to Sterling Drug Inc. 2,714,119, Cl. 260—561.
- Crouse Hinds Co.: *See*—  
Bissell, Carl H. 2,702,849.  
Bissell, Carl H. 2,708,089.  
Bissell, Carl H. 2,711,438.  
Jeffers, Walter M. 2,719,958.  
Parish, Willard E. 2,705,266.  
Parish, Willard E. 2,716,740.  
Parish, Willard E. 2,716,743.
- Crow, Howard M. 2,721,749, Cl. 286—37.
- Crow, Robert P.: *See*—  
Doremus, John A., and Crow. 2,710,378.
- Crowder, Alexander N., to Research Corp. 2,703,630, Cl. 183—59.
- Crowder, Wiley K. 2,708,811, Cl. 46—212.
- Crowe, Dalton L. 2,725,684, Cl. 51—8.
- Crowe, Earle E.: *See*—  
Trainor, Robert J. 2,707,981.
- Crowell, Ernest M., to United Shoe Machinery Corp. 2,709,310, Cl. 36—77.
- Crowell, John E. 2,698,561, Cl. 95—11.
- Crowell, Marion H. 2,710,373, Cl. 318—473.
- Crowley, Charles W. 2,715,885, Cl. 116—115.
- Crowley, George C., R. G. Holmes, and P. A. Check, to General Electric Co. 2,704,803, Cl. 219—20.
- Crowley, Henry L., & Co., Inc.: *See*—  
Crowley, Henry L. 2,701,761.  
Crowley, Henry L. 2,701,762.  
Crowley, Henry L. 2,703,787.  
Crowley, Henry L. 2,705,701.
- Crowley, Henry L., to Henry L. Crowley & Co., Inc. 2,701,761, Cl. 75—34.
- Crowley, Henry L., to Henry L. Crowley & Co., Inc. 2,701,762, Cl. 75—34.
- Crowley, Henry L., to Henry L. Crowley & Co., Inc. 2,703,787, Cl. 252—62.5.
- Crowley, Henry L., to Henry L. Crowley & Co., Inc. 2,705,701, Cl. 252—62.5.
- Crowley, Henry L., to Republic Steel Corp. 2,716,601, Cl. 75—34.
- Crowley, John. 2,702,486, Cl. 74—417.
- Crowley, Theodore D. 2,727,546, Cl. 145—50.
- Crown Controls Co., Inc.: *See*—  
Van Sickle, Elmer. 2,701,353.
- Crown Cork & Seal Co., Inc.: *See*—  
Breeback, Rudolph H. 2,701,675.  
Breeback, Rudolph H. 2,728,511.  
Burgemeister, Paul A., and Healy. 2,723,953.  
Day, Carl L., and Breeback. 2,699,282.  
Day, Carl L., and Fauth. 2,718,989.  
Day, Carl L., and Jump. 2,725,170.  
Day, Carl L., and Pahl. 2,701,676.  
Day, Carl L., and Pahl. 2,724,535.  
Day, Carl L., and Pahl. 2,711,279.  
Day, Carl L., and Regnier. 2,704,929.  
Day, Carl L., and Voelker. 2,721,021.  
Erhardt, John E., Jr. 2,701,716.  
Pahl, Leo F., and Albrecht. 2,724,581.  
Tollberg, Charles. 2,716,517.  
Wilckens, Eibe A., and Rau. 2,703,130.
- Crown, James A., to Virginia Metal Products, Inc. 2,706,541, Cl. 189—34.
- Crown Machine and Tool Co.: *See*—  
Bohannon, George S., Williams, and Graham. 2,718,662.  
Dykehouse, Robert H. 2,719,326.  
Roger, Albert J. 2,718,663.
- Crowner, Warren L. 2,705,951, Cl. 128—132.
- Crowther, Edmond C., to Illinois Tool Works. 2,716,434, Cl. 151—41.76.
- Crowther, Malcolm P.: *See*—  
Baty, Joseph A., and Crowther. 2,703,432.
- Croxall, Willard J., and S. Melamed, to Rohm & Haas Co. 2,715,631, Cl. 260—307.
- Cruciani, Eusebio. 2,727,281, Cl. 20—0.5.
- Cruciani, Eusebio. 2,727,282, Cl. 20—0.5.
- Crucible Steel Co. of America: *See*—  
Lowe, Wallace K. 2,726,490.  
Payson, Peter. 2,706,696.  
Payson, Peter, and Johnson. 2,715,576.  
Valette, Le Roy R. 2,712,205.
- Cruckshank, Ira G., to General Electric Co. 2,704,922, Cl. 60—39.09.
- Crum, Stephen, to Minneapolis-Honeywell Regulator Co. 2,708,477, Cl. 158—11.
- Crummett, Warren B., and V. A. Stenger, to The Dow Chemical Co. 2,709,710, Cl. 260—600.
- Crump, Owen D. 2,711,624, Cl. 56—25.4.
- Crump, Ralph E.: *See*—  
Booker, Aylwin R., and Crump. 2,715,668.
- Crumpton, Edward H., Jr., to E. D. Jones and Sons Co. 2,718,821, Cl. 92—26.
- Crusible Steel Co. of America: *See*—  
Payson, Peter. 2,704,250.
- Crutcher, Joseph A. 2,703,209, Cl. 242—64.
- Cruzan, Charles G., to Phillips Petroleum Co. 2,707,776, Cl. 340—17.
- Cryer, James B. 2,709,545, Cl. 224—42.04.
- Cryns, Joseph. 2,725,300, Cl. 99—80.
- Cryor, Robert E.: *See*—  
Corcoran, John F., Cryor, and Rector. 2,711,354.
- Crystal-Flo Products Co.: *See*—  
Thompson, Parke H. 2,700,934.
- Csvercsko, Nicholas, and K. A. Jenkins, to Trans-Lux Corp. 2,699,705, Cl. 88—28.93.
- Cubberley, Richard H., and J. J. Drukker, to The Patent and Licensing Corp. 2,728,734, Cl. 260—28.5.
- Cuber, Eduardo P. 2,699,702, Cl. 88—18.4.
- Cuccaro, Robert A., to Parker Metal Goods Co. 2,727,089, Cl. 174—164.
- Cuddeback, Nelson C., to The Hoover Co. 2,714,220, Cl. 15—332.
- Cudini, Roger G., to Moynahan Bronze Co. 2,700,441, Cl. 189—46.
- Cudney, Charles G., to C. and E. M. Hartwell, d. b. a. Hartwell Aviation Supply Co. 2,711,336, Cl. 292—173.
- Cudney, Charles G., to C. and E. M. Hartwell, copartners doing business as Hartwell Aviation Supply Co. 2,717,796, Cl. 292—229.
- Cudney, Charles G., to C. and E. M. Hartwell, copartners doing business as Hartwell Aviation Supply Co. 2,722,445, Cl. 292—229.
- Cudosky, Anthony. 2,708,990, Cl. 192—43.1.
- Cuendet, Fred: *See*—  
Maire, Charles, and Fahrni. 2,717,623.
- Culbertson, E. Estay. 2,716,673, Cl. 174—188.
- Culbertson, John L., to International Telephone and Telegraph Corp. 2,717,284, Cl. 179—175.2.
- Culbertson, Otto: *See*—  
Hoyt, Karl R. 2,703,340.
- Culbertson, Robert J., and J. L. Slonneger, to General Electric Co. 2,722,613, Cl. 310—4.
- Culbertson, Russel P., and C. F. Fouch, to Union Carbide and Carbon Corp. 2,700,091, Cl. 219—8.
- Culemeyer, Karl H. W.: *See*—  
Spangenberg, Willy J. A., and Culemeyer. 2,716,630.
- Culhane, Vernon C. 2,703,581, Cl. 134—133.
- Cullen, Roy H., and L. D. Richards; said Richards assor. to said Cullen. 2,712,920, Cl. 255—4.
- Culler, Mary D. D.: *See*—  
Davis, Edward H. 2,709,732.
- Culnane, Charles H.: *See*—  
Dilworth, John P., Culnane, and Ashburn. 2,721,845.
- Culnane, Charles H., and J. P. Dilworth, to The Texas Co. 2,714,092, Cl. 252—36.
- Culnane, Charles H., and J. P. Dilworth, to The Texas Co. 2,721,844, Cl. 252—42.1.
- Culpepper, Coy M. and J. 2,701,587, Cl. 139—379.
- Culpepper, Jael: *See*—  
Culpepper, Coy M. and J. 2,701,587.
- Culter, Samuel H., to The Upjohn Co. 2,701,782, Cl. 167—56.
- Cultiguard Shovel Co.: *See*—  
Demorest, Leroy A. 2,716,934.  
Demorest, Leroy A. 2,716,935.
- Cululi, Augustine J. 2,726,001, Cl. 215—39.
- Culver, Irven H., to Lockheed Aircraft Corp. 2,702,679, Cl. 244—139.
- Cumberland Corp.: *See*—  
Farber, Eduard. 2,725,346.
- Cuming, John G. 2,725,218, Cl. 257—256.
- Cumming, D. R.: *See*—  
Cumming, William O. 2,704,949.
- Cumming, James M. 2,700,337, Cl. 102—49.
- Cumming, William O., ½ to D. R. Cumming. 2,704,949, Cl. 76—82.1.
- Cumming, William R., to Resistance Welders Ltd. 2,716,177, Cl. 219—4.
- Cummings, Clinton L.: *See*—  
Hamburger, Walter J., and Cummings. 2,714,328.
- Cummings, Clinton L., to Barry Controls Inc. 2,722,845, Cl. 74—354.
- Cummings, Donald E.: *See*—  
Tack, Carl E., and Cummings. 2,702,097.
- Cummings, Harold R., to General Electric Co. 2,703,373, Cl. 313—149.
- Cummings, James F., ½ to E. T. Blackledge. 2,704,651, Cl. 254—135.
- Cummings, Percival W., Jr.: *See*—  
Wison, Irvin, Cummings, and Cresswell. 2,714,052.
- Cummings, Percival W., Jr., J. M. Salsbury, and A. Obuchowski, to American Cyanamid Co. 2,721,650, Cl. 203—210.
- Cummins-Chicago Corp.: *See*—  
Mantonya, William G. 2,723,719.
- Cummins Engine Co., Inc.: *See*—  
Reiners, Neville M. 2,727,498.  
Reiners, Neville M. 2,727,503.  
Worth, Daniel B. 2,727,501.
- Cummins, Robert K., and R. J. Sommer, to General Electric Co. 2,726,487, Cl. 49—78.1.



- Cumpston, Edward H., Jr.: *See*—  
Jones, Dwight E., and Cumpston. 2,727,440.
- Cumpston, Edward H., Jr., to E. D. Jones and Sons Co. 2,722,163, Cl. 92—26.
- Cundall, Lincoln A., and T. J. Perconti, to Eastman Kodak Co. 2,718,965, Cl. 209—74.
- Cunder, Joseph, and F. J. Licata, to Nopco Chemical Co. 2,716,073, Cl. 106—243.
- Cundiff, Charles W., Sr. 2,710,467, Cl. 37—159.
- Cunning, Thomas G., to S. C. Johnson & Son, Inc. 2,703,760, Cl. 99—168.
- Cunningham, Abishi C.: *See*—  
Smith, Emmer J. 2,718,857.
- Cunningham, Arthur R. 2,711,622, Cl. 55—118.
- Cunningham, Ernest R., Jr.: *See*—  
Beyerstedt, Ralph L., and Cunningham. 2,720,990.
- Cunningham, George L., to Chempatents, Inc. 2,726,138, Cl. 23—31.
- Cunningham, George T.: *See*—  
Wexler, Aaron, and Cunningham. 2,722,336.
- Cunningham, Jack B. 2,708,649, Cl. 154—116.
- Cunningham, Jack B., and F. Wilburn; said Wilburn assor. to said Cunningham. 2,708,703, Cl. 219—10.55.
- Cunningham, James M., to International Business Machines Corp. 2,727,952, Cl. 200—46.
- Cunningham, John J. 2,707,106, Cl. 273—138.
- Cunningham, Lewis L. 2,719,198, Cl. 200—137.
- Cunningham, Marion D., B. G. Jones, and R. H. Wulzen, to Tide Water Associated Oil Co. 2,728,642, Cl. 23—288.
- Cunningham, Marion M. 2,702,115, Cl. 198—191.
- Cunningham, Marvin H., to Westinghouse Electric Corp. 2,725,271, Cl. 312—214.
- Cunningham, Omar L., Jr., to Toro Mfg. Corp. of Minnesota. 2,704,921, Cl. 56—7.
- Cunningham, Orin D.: *See*—  
Polly, Orville L., and Cunningham. 2,721,188.
- Cunningham, Richard G., to Research Corp. 2,725,956, Cl. 184—6.
- Cunningham, Vergil, deceased; D. D. Door, executor, to D. D. Dorr. 2,722,173, Cl. 99—428.
- Cunnings, Frederick C.: *See*—  
Frank, Bernard E., and Cummings. 2,711,204.
- Cuny, Bernard E. A. M. 2,701,501, Cl. 88—14.
- Cuny, Ernest A. 2,716,948, Cl. 103—161.
- Cupery, Harold E., N. E. Searle, and C. W. Todd, to E. I. du Pont de Nemours & Co. 2,705,195, Cl. 71—2.6.
- Cupery, Martin E., to E. I. du Pont de Nemours and Co. 2,723,971, Cl. 260—85.7.
- Cupery, Martin E., and G. O. Funderburk, to E. I. du Pont de Nemours & Co. 2,702,278, Cl. 252—117.
- Cupery, Martin E., and J. C. Sauer, to E. I. du Pont de Nemours & Co. 2,720,511, Cl. 260—86.1.
- Cupler, John A., II. 2,699,049, Cl. 64—4.
- Cüpper, Oscar, and A. Doleschi. 2,715,927, Cl. 146—217.
- Cuppini, Carlo, and C. Lercker, to F. D. A. Soc. r. 1. 2,718,818, Cl. 89—142.
- Curd, Harold G. 2,703,385, Cl. 324—53.
- Cureton, Paul, ½ to G. Dalwigk. 2,698,457, Cl. 16—147.
- Curioni, Aldo R. 2,718,199, Cl. 107—7.
- Curlator Corp.: *See*—  
Buresh, Francis M., and Langdon. 2,700,188.  
Langdon, Howard H., and Buresh. 2,703,441.
- Curlett, John, to Be-Ge Mfg. Co. 2,708,909, Cl. 121—46.5.
- Curran, John F., and J. P. Hoffer. 2,703,239, Cl. 271—2.1.
- Curran, John V., Jr.: *See*—  
Shattuck, Ewart H., and Curran. 2,728,132.
- Curran, Samuel C.: *See*—  
Baker, William R., and Curran. 2,712,078.
- Currie, Chester C., and C. W. Todd, to Dow Corning Corp. 2,698,805, Cl. 106—8.
- Currie, Margaret F. 2,708,113, Cl. 270—93.
- Currie, Margaret F. 2,711,140, Cl. 112—134.
- Currie, Margaret F. 2,711,141, Cl. 112—134.
- Currie, Margaret F. 2,717,779, Cl. 270—93.
- Currier Co.: *See*—  
Boyen, John L. 2,703,093.  
Currier, Farnsworth, and Boyen. 2,725,459.
- Currier, Farnsworth, and J. L. Boyen, to Currier Co. 2,725,459, Cl. 219—43.
- Currihan, John F., and W. Burchett, to Emhart Mfg. Co. 2,720,162, Cl. 101—35.
- Curry, Edwin F.: *See*—  
Bryan, John L., Jr., Curry and Rivet. 2,705,420.
- Curry, Field, to Westinghouse Air Brake Company. 2,715,218, Cl. 340—163.
- Curry, Robert S. 2,704,928, Cl. 62—108.5.
- Curry, Robert S., Jr., to The Sperry Corp. Re. 23,938, Cl. 244—82.
- Curry, William G., to Norman Parke Co. 2,712,879, Cl. 217—110.
- Curtice, Jean M., to Curtice Mfg. Co., Inc. 2,709,112, Cl. 299—141.
- Curtice Mfg. Co., Inc.: *See*—  
Curtice, Jean M. 2,709,112.
- Curtis, Arvel C., to Pipeline, Inc. 2,707,934, Cl. 118—408.
- Curtis, Arvel C., to Pipeline, Inc. 2,713,908, Cl. 166—67.
- Curtis, Arvel C., to Pipeline, Inc. 2,717,038, Cl. 166—1.
- Curtis, Cecil C. 2,709,431, Cl. 128—24.1.
- Curtis Cos. Inc.: *See*—  
Patton, Edward A., and Beil. 2,719,328.
- Curtis, Daniel L., to Hughes Aircraft Co. 2,723,080, Cl. 235—61.
- Curtis, Edith D.: *See*—  
Curtis, Franklin E. 2,704,509.
- Curtis, Franklin E., deceased, by E. D. Curtis, administratrix, to Addressograph-Multigraph Corp. 2,704,509, Cl. 101—58.
- Curtis, George W. 2,713,521, Cl. 305—10.
- Curtis Lighting, Inc.: *See*—  
Carlson, Allan W. 2,701,840.
- Curtis, Lloyd R., S. C. Steward, and G. J. Woods, to Rohr Aircraft Corp. 2,723,368, Cl. 317—99.
- Curtis, Myron S., to The Warner & Swasey Co. 2,706,415, Cl. 74—54.
- Curtis, Myron S., and H. Schoepe, to The Warner & Swasey Co. 2,712,140, Cl. 10—139.
- Curtis 1000, Inc.: *See*—  
Whitman, Harlan M. 2,723,076.  
Whitman, Harlan M. 2,723,077.
- Curtis Publishing Co., The: *See*—  
Brown, Egbert F. 2,712,788.
- Curtis, Rowland G., to Reeves Steel and Mfg. Co. 2,703,110, Cl. 138—74.
- Curtis, Russell H., to Hawley Products Co. 2,700,326, Cl. 92—57.
- Curtis, Sidney: *See*—  
Rose, Alfred G., and Curtis. 2,704,520.
- Curtis, Thomas E., Hampton, Ga., to Southern States Equipment Corp. 2,728,055, Cl. 339—19.
- Curtis, Thomas E., and J. M. de Montmollin, to Southern States Equipment Corp. 2,721,242, Cl. 200—127.
- Curtis, Thomas H., to Hanson-Van Winkle-Munning Co. 2,709,512, Cl. 198—19.
- Curtiss, Charles B. 2,703,220, Cl. 254—166.
- Curtiss, George E., Jr., and L. G. Bobrowski, to The Stanley Works. 2,710,217, Cl. 292—341.18.
- Curtiss, George E., Jr., and L. G. Bobrowski, to The Stanley Works. 2,728,596, Cl. 292—332.
- Curtiss-Wright Corp.: *See*—  
Adrian, Joseph L., and Sullivan. 2,727,580.  
Baker, Stanley W., and Folley. 2,702,618.  
Baker, Stanley W., and Halliday. 2,724,266.  
Boam, Willard M., and Hanink. 2,714,760.  
Brauchler, Chandis H., and Hanink. 2,703,922.  
Carey, Colwell, and De Feo. 2,724,602.  
Clark, Donald B., and Welsh. 2,705,863.  
Cushman, Maurice E. 2,704,129.  
Cushman, Maurice E. 2,718,268.  
De Leo, Angelo, and Francisco. 2,721,640.  
De Muth, Russell T. 2,727,577.  
Folley, Cranston W., Galliers, and Horbatt. 2,727,611.  
Galliers, Marshall W. 2,700,303.  
Gallo, Joseph E. 2,721,397.  
Gamble, Edward H. 2,718,614.  
Hine, Edward K., and Burns. 2,703,992.  
Hurley, Roy T. 2,716,578.  
Lewis, Robert B. 2,705,867.  
Mergen, Joseph M., and Tiedeman. 2,699,220.  
Mergen, Joseph M., Zwack, and Knapp. 2,720,927.  
Moore, Vincent. 2,721,457.  
Seaver, Elliott O. 2,713,243.  
Stern, Robert G., and Wakefield. 2,724,192.  
Woolf, Don R. 2,700,211.  
Woolf, Don R., Wurster, and Avondoglio. 2,718,267.
- Curtition Co., The: *See*—  
Breslow, Donald M., and Schesvold. 2,712,513.  
Breslow, Donald M., and Schesvold. 2,717,033.
- Curtze, Walter A. 2,725,603, Cl. 20—12.
- Cusack, Georgia S.: *See*—  
McDonald, Donald. 2,706,881.
- Cushing, George B., to Westinghouse Electric Corp. 2,703,828, Cl. 200—34.
- Cushing, Paul J., to Hydraulic Dredging Co., Ltd. 2,702,437, Cl. 37—67.
- Cushman Chuck Co., The: *See*—  
Sloan, Harry E., and Swanson. 2,703,242.
- Cushman, Clifford E., to Sturgess, Inc. Re. 23,933, Cl. 74—501.5.
- Cushman, Maurice E., to Curtiss-Wright Corp. 2,704,129, Cl. 170—160.58.
- Cushman, Maurice E., to Curtiss-Wright Corp. 2,718,268, Cl. 170—160.58.
- Cushman, Robert W.: *See*—  
Howe, Wilfred H., and Cushman. 2,706,799.
- Cushman, Walton W. 2,699,912, Cl. 248—120.
- Cushman, Walton W. 2,704,143, Cl. 193—35.
- Cushman, Walton W. 2,708,046, Cl. 214—514.
- Cushman, Walton W. 2,710,158, Cl. 248—9.
- Cushman, Walton W., to the United States of America as represented by the Secretary of the Army. 2,709,519, Cl. 206—65.
- Cushman, Walton W., to the United States of America as represented by the Secretary of the Army. 2,720,992, Cl. 214—653.
- Cushman, Walton W., and J. L. Wentz, to the United States of America as represented by the Secretary of the Army. 2,708,023, Cl. 198—183.
- Cusic, John W.: *See*—  
Raymond, Albert L., and Cusic. 2,703,803.
- Cusic, John W., to G. D. Searle & Co. 2,714,594, Cl. 260—287.
- Cusic, John W., to G. D. Searle & Co. 2,715,645, Cl. 260—559.
- Cusic, John W., to G. D. Searle & Co. 2,719,850, Cl. 260—315.
- Custer, Willard R. 2,721,045, Cl. 244—12.
- Custom Scientific Instruments, Inc.: *See*—  
Allan, Robert R., and Novotny. 2,699,289.  
Allen, Robert R., and Novotny. 2,701,466.  
Allen, Robert R., and Novotny. 2,721,473.
- Cutler, Cassius C., to Bell Telephone Laboratories Inc. 2,724,740, Cl. 178—13.5.



- Cutler, Frederic S. 2,726,710, Cl. 155—112.  
 Cutler-Hammer, Inc.: *See*—  
   Brown, William E. 2,700,878.  
   Charbonneau, Allan P. 2,703,481.  
   Charbonneau, Allan P. 2,703,834.  
   Charbonneau, Allan P. 2,724,085.  
   Charbonneau, Allan P., and Russell. 2,720,693.  
   Cox, Irvin W. 2,698,766.  
   Cox, Irvin W. 2,704,313.  
   Cox, Irvin W. 2,728,830.  
   Eck, Robert N., and Horner. 2,725,513.  
   Elliot, William H., and Seeger. 2,718,567.  
   Feldhausen, Cyril P., and Ferk. 2,708,259.  
   Fischer, Paul M., and Pell. 2,722,653.  
   Hodgson, Howard E. 2,700,439.  
   Howdle, Frederic B. 2,725,972.  
   Koenig, Martin F. 2,723,571.  
   Koenig, Martin F. 2,726,105.  
   Krieger, Alvin W. 2,701,829.  
   Mead, Edward Q. 2,727,227.  
   Newman, John M., and Strand. 2,707,254.  
   Posselt, Edward J., and Seeger. 2,724,796.  
   Reeves, James B. 2,710,358.  
   Rosing, Theodore F. 2,703,350.  
   Rouse, William H. 2,711,462.  
   Stevens, Joseph H. 2,700,087.  
 Cutler, Herbert T. 2,711,256, Cl. 214—78.  
 Cutter Laboratories: *See*—  
   Beacham, Robert C., Butler, and Corcoran. 2,698,619.  
   Butler, William F. 2,704,074.  
   Hink, John H. 2,704,214.  
 Cutler, Phil, and K. F. Ross. 2,728,911, Cl. 343—206.  
 Cutler, Morris. 2,701,152, Cl. 287—92.  
 Cutler, Wallace M., L. G. Knowles, and C. J. Gross, to United Shoe Machinery Corp. 2,709,823, Cl. 12—37.  
 Cutliff, Norman J., and E. V. Brogan, to International Harvester Co. 2,716,695, Cl. 219—10.79.  
 Cutter Corp.: *See*—  
   Davis, Roy P. M., and Shaeffer. 2,722,739.  
 Cutter Laboratories: *See*—  
   Biddison, Edgar A. 2,719,837.  
   Hardie, Waldo R. 2,721,825.  
   Jules, Leonard H., Faust, and Sahyun. 2,716,648.  
 Cutter, Richard S.: *See*—  
   Bartley, Samuel C. 2,726,587.  
 Cutting, Leslie A., and J. C. Horne. 2,706,958, Cl. 115—19.  
 Cuttino, William H., to Westinghouse Electric Corp. 2,705,300, Cl. 323—43.5.  
 Cuzzi, Alberto. 2,704,380, Cl. 18—12.  
 Cwiak, Joseph J.: *See*—  
   Cwiak, Robert J. and J. J. 2,706,856.  
 Cwiak, Robert J. and J. J. 2,706,856, Cl. 33—3.  
 Cyclone Mfg. Co., The: *See*—  
   Brembeck, Howard S. 2,709,417.  
 Cycloptic Anstalt fur Optik und Mechanik: *See*—  
   Hacman, Dionisie, and Klemt. 2,718,173.  
 Cymara, Hermann K. 2,718,655, Cl. 15—310.  
 Cymax Corp.: *See*—  
   Overman, Max C. 2,699,193.  
 Cyphers, Elmer B.: *See*—  
   Bartlett, Jeffrey H., Rudel, and Cyphers. 2,705,694.  
   Nejak, Raymond P., and Cyphers. 2,719,121.  
   Tutwiler, Thomas S., Fischl, and Cyphers. 2,706,177.  
 Cyphers, Elmer B., and L. E. Moody, to Esso Research and Engineering Co. 2,716,089, Cl. 252—33.6.  
 Cyphers, Raymond J.: *See*—  
   Keenan, James F., and Cyphers. 2,701,928.  
 Cyr, Armand. 2,712,134, Cl. 2—209.  
 Cyr, Howard M., F. S. Griffith, and C. M. McFarland, to The New Jersey Zinc Co. 2,723,903, Cl. 23—87.  
 Cyril Bath Co., The: *See*—  
   Bath, Cyril J. 2,713,376.  
 Czajkowski, Norman, to the United States of America as represented by the Secretary of the Navy. 2,709,782, Cl. 324—43.  
 Czarnecki, John D., to American Can Co. 2,711,713, Cl. 118—608.  
 Czech, Adam A. 2,720,035, Cl. 33—201.  
 Czerwinski, Wacław, to A. V. Roe Canada Ltd. 2,716,529, Cl. 244—121.  
 Czetli, Jess, to Plastic Film Products Corp. 2,704,402, Cl. 33—135.  
 Czuj, Walter J.: *See*—  
   Morris, Lloyd P., and Czuj. 2,705,281.  
 D & P Engineering Co.: *See*—  
   Ryan, Carroll T. 2,706,571.  
 Daake, George A. 2,706,477, Cl. 128—134.  
 Daane, Adrian H.: *See*—  
   Spedding, Frank H., and Daane. 2,714,554.  
 Dabney, James B.: *See*—  
   Nelson, Ingrid B. 2,711,300.  
 Dacey, William F., R. A. Gregg, and N. W. Hess, to United States Rubber Co. 2,721,811, Cl. 117—65.  
 Dack, Marvin C. 2,708,364, Cl. 73—161.  
 Dackor, Emil, and E. F. Nelboeck, to Thompson Products, Inc. 2,699,019, Cl. 51—135.  
 Dackor, Emil, and E. F. Nelboeck, to Thompson Products, Inc. 2,722,867, Cl. 90—24.3.  
 Daco Machine & Tool Co.: *See*—  
   Bieger, Jacob J., and Sawsworth. 2,704,085.  
 Da Costa, Harry, to The Plessey Co. Ltd. 2,726,088, Cl. 274—10.  
 Dade Disinfecting Co., Inc.: *See*—  
   Hartmann, Eric C. 2,698,767.  
 Da Fano, Ettore, to John B. Pierce Foundation. 2,726,213, Cl. 252—78.  
 Daher, Ernest: *See*—  
   Shanhouse, William M., and Daher. 2,723,069.  
 Dahl, August H.: *See*—  
   Ostnas, Lars O., and Dahl. 2,700,464.  
 Dahl, Carl P.: *See*—  
   Badger, Everett H., Jr., Dahl, and Overbeke. 2,716,999.  
 Dahl, Edward T., to Reconstruction Finance Corp. 2,720,838, Cl. 103—42.  
 Dahl, Gustav S. A., and S. B. Almer. Re. 24,045, Cl. 32—10.  
 Dahl, Harold C.: *See*—  
   Dahl, Thure W. and H. C. 2,718,973.  
 Dahl, Robert R., to The Dole Valve Co. 2,728,355, Cl. 138—45.  
 Dahl, Thure W. and H. C. 2,718,973, Cl. 215—6.  
 Dahlbeck, Sven W., to Rosenblad Corp. 2,699,225, Cl. 183—120.  
 Dahlbom, Carl A., and A. Weaver, to Bell Telephone Laboratories, Inc. 2,710,892, Cl. 179—15.  
 Dahlgren, Stig-Ake. 2,722,215, Cl. 128—218.  
 Dahlhaus, Hermann, and A. Winterhoff, to Vossloh-Werke G. m. b. H. 2,702,377, Cl. 339—75.  
 Dahlman, Eben D., to Dahlman Mfg. Co. 2,704,605, Cl. 209—234.  
 Dahlman, Eben D., to Dahlman Mfg. Co. 2,706,878, Cl. 55—51.  
 Dahlman Mfg. Co.: *See*—  
   Dahlman, Eben D. 2,704,605.  
   Dahlman, Eben D. 2,706,878.  
 Dahlman, Per O.: *See*—  
   Blackhall, James M., Baker, and Dahlman. 2,717,278.  
 Dahlstrand, Hans P., to Allis-Chalmers Mfg. Co. 2,713,831, Cl. 105—36.  
 Dahlstrom, Arvid, to J. H. Keeney & Co., Inc. 2,709,004, Cl. 211—1.6.  
 Dahlstrom, Louis O. 2,711,002, Cl. 25—131.  
 Dahm, Elmer D. 2,709,283, Cl. 20—1.  
 Dahms, Arthur J., to Embart Mfg. Co. 2,707,640, Cl. 279—45.  
 Daiger, George P., and W. G. Seck, to The Hoover Co. 2,724,140, Cl. 15—333.  
 Daigle, Bert J. 2,706,334, Cl. 32—35.  
 Dail, Donald D. 2,705,157, Cl. 280—515.  
 Dailey, Hampton J., to Westinghouse Electric Corp. 2,719,244, Cl. 313—293.  
 Dailey, Hampton J., and D. M. Wroughton, to Westinghouse Electric Corp. 2,720,997, Cl. 220—2.3.  
 Dailey, Hampton J., and C. H. Scullin, to Westinghouse Electric Corp. 2,727,177, Cl. 313—341.  
 Dailey, Hampton J., and C. H. Scullin, to Westinghouse Electric Corp. 2,727,178, Cl. 313—341.  
 Dailey, William H., Jr., to Surface Combustion Corp. 2,717,732, Cl. 230—209.  
 Daily, Arthur M.: *See*—  
   Arisman, Mervin B., and Daily. 2,721,245.  
 Daily, Arthur M., and G. M. Cocanower, to Chicago Telephone Supply Corp. 2,705,749, Cl. 201—55.  
 Daily, Arthur M., and J. G. Veatch, to Chicago Telephone Supply Corp. 2,717,943, Cl. 201—55.  
 Daily, Arthur M., and M. B. Arisman, to Chicago Telephone Supply Corp. 2,717,944, Cl. 201—55.  
 Daily, Arthur M., and S. W. Gallay, to Chicago Telephone Supply Corp. 2,721,243, Cl. 200—166.  
 Daily, Glenn A., to Joy Mfg. Co. 2,707,099, Cl. 262—29.  
 Daily, Howard R.: *See*—  
   Duhamel, Jay W., and Daily. 2,704,455.  
 Daimler-Benz Aktiengesellschaft: *See*—  
   Barényi, Béla. 2,700,571.  
   Barényi, Béla. 2,701,726.  
   Bensinger, Wolf D. 2,699,763.  
   Forster, Hans J. M. 2,707,405.  
   Forster, Hans J. M. 2,713,800.  
   Forster, Hans J. M. 2,716,359.  
   Kamps, Reinhold G. 2,724,450.  
   Links, Heinrich K. 2,702,535.  
   Links, Heinrich K. 2,708,601.  
   Links, Heinrich K. 2,708,921.  
   Links, Heinrich K., and Wirsching. 2,717,587.  
   Nallinger, Friedrich K. H. 2,700,438.  
   Nallinger, Friedrich K. H. 2,705,139.  
   Nallinger, Friedrich K. H. 2,706,085.  
   Nallinger, Friedrich K. H. 2,706,469.  
   Nallinger, Friedrich K. H. 2,710,600.  
   Nallinger, Friedrich K. H. 2,711,159.  
   Nallinger, Friedrich K. H. 2,711,720.  
   Nallinger, Friedrich K. H. 2,716,001.  
   Nallinger, Friedrich K. H. 2,717,045.  
   Nallinger, Friedrich K. H. 2,719,436.  
   Nallinger, Friedrich K. H. 2,719,437.  
   Nallinger, Friedrich K. H. 2,719,711.  
   Nallinger, Friedrich K. H. 2,724,377.  
   Nallinger, Friedrich K. H. 2,725,954.  
   Nallinger, Friedrich K. H., and Müller. 2,708,003.  
   Müller, Josef, and Dauben. 2,727,409.  
   Roessler, Heinrich G. F. 2,714,347.  
   Rössler, Heinrich G. F., and Börger. 2,724,448.  
   Roller, Franz T. 2,712,741.  
   Schilling, Otto. 2,715,890.  
   Schilling, Otto. 2,719,514.  
   Stump, Eugen. 2,700,551.  
   Stump, Eugen. 2,727,692.  
   Wagner, Max. 2,703,708.  
   Wagner, Max. 2,703,709.  
   Wagner, Max. 2,708,586.



- Daimler-Benz Aktiengesellschaft: *See*—Continued.  
 Wagner, Max. 2,724,600.  
 Wentz, Adolf F. C. 2,722,204.  
 Wilfert, Karl. 2,718,839.
- Dain, Paul R.: *See*—  
 Brewer, George S., and Dain. 2,704,550.
- Dainippon Pharmaceutical Co., Ltd.: *See*—  
 Takahashi, Kiyoshi, and Ueda. 2,701,812.
- Daintifyt Brassiere Co. Ltd.: *See*—  
 Davis, Gertrude. 2,714,211.
- Daish, Thomas G.: *See*—  
 Slatter, Brain H., Daish, and Caswell. 2,699,219.
- Daiss, Ava: *See*—  
 Tolcher, John M. 2,712,779.
- Daiss, Fred C.: *See*—  
 Tolcher, John M. 2,712,779.
- Daisy Mfg. Co.: *See*—  
 Hough, Cass S. 2,724,897.
- Dale, Edward C., Jr. 2,710,966, Cl. 2—12.
- Dale, Glenn H.: *See*—  
 Shelton, Russell O., and Dale. 2,724,682.
- Dale, Orie O., and A. B. Menkens. 2,698,678, Cl. 192—41.
- Dale, Robert G. 2,717,806, Cl. 299—140.
- Dale, Sheldon, to Cory Corp. 2,699,899, Cl. 241—100.
- D'Alelio, Gaetano F., to Koppers Co., Inc. 2,699,436, Cl. 260—78.
- D'Alelio, Gaetano F., to Koppers Co., Inc. 2,699,437, Cl. 260—78.
- D'Alelio, Gaetano F., to Koppers Co., Inc. 2,703,317, Cl. 260—78.5.
- D'Alelio, Gaetano F., to Koppers Co., Inc. 2,712,537, Cl. 260—80.5.
- Dales, Benton, to International Harvester Co. 2,718,325, Cl. 220—19.
- Dalglisch, Herbert F., to Duaload Transportation Corp. 2,723,862, Cl. 280—5.
- Dalglisch, John, & Sons Ltd.: *See*—  
 Laurie, Kenneth S. 2,719,349.
- Dalianis, George. 2,726,002, Cl. 215—39.
- Dalin, David, to A/B Svenska Maskinverken. 2,699,758, Cl. 122—1.
- Dalin, David, to A/B Svenska Maskinverken. 2,702,026, Cl. 122—1.
- Dalin, David, to A/B Svenska Maskinverken. 2,719,354, Cl. 29—157.3.
- Dalin, David, and T. G. A. Wykman, to A/B Svenska Maskinverken. 2,704,534, Cl. 122—407.
- Da-Lite Screen Co., Inc.: *See*—  
 Du Mais, Leo J. 2,708,559.
- Dalkranian, James K. 2,708,592, Cl. 294—31.
- Dall, Albert H.: *See*—  
 Fritsch, Hans, and Dall. 2,706,892.
- Dall, Albert H., and G. L. Grove, to The Cincinnati Milling Machine Co. 2,709,877, Cl. 51—165.
- Dall, Albert H., and H. Fritsch, to The Cincinnati Milling Machine Co. 2,713,246, Cl. 60—97.
- Dall, Albert H., and R. R. Adams, to The Cincinnati Milling Machine Co. 2,714,823, Cl. 74—574.
- Dall, Edward D., to Houdaille-Hershey Corp. 2,698,762, Cl. 292—6.
- Dall, Edward D., to Houdaille-Hershey Corp. 2,700,290, Cl. 70—135.
- Dall, Edward D., to Houdaille-Hershey Corp. 2,700,885, Cl. 70—144.
- Dall, Horace E., to George Kent Ltd. 2,704,555, Cl. 138—44.
- Dallas, James L. 2,708,520, Cl. 210—55.
- Dalle, Olivier, to Societe des Mecaniques Verdol. 2,701,585, Cl. 139—59.
- Dallenbach, Frederick: *See*—  
 Pavlecka, Vladimir H., and Dallenbach. 2,712,895.
- Dallenbach, Frederick, and H. R. Schelp, to The Garrett Corp. 2,701,682, Cl. 230—116.
- Dalley, Henry A., 1/2 to W. W. Miller. 2,702,514, Cl. 108—26.
- Dall'Ollo Contr. 2,708,743, Cl. 340—58.
- Dally, Roy, to General Electric Co. 2,711,322, Cl. 274—38.
- Dalmo Continental, Inc.: *See*—  
 Soule, Arthur H. 2,707,809.
- Dalmo Victor Co.: *See*—  
 Hahn, Stuart H. 2,704,700.  
 Stewart, Donald. 2,704,394.  
 Walters, Glenn A. 2,708,263.
- Dalter, Raymond S., to Commercial Solvents Corp. 2,727,838, Cl. 127—36.
- Dalton, Byron W. 2,722,120, Cl. 72—118.
- Dalton, Frederick W. 2,705,807, Cl. 3—31.
- Dalton, John: *See*—  
 Dalton, William. 2,724,559.
- Dalton, Robert H., and R. O. Voss, to Corning Glass Works. 2,707,850, Cl. 49—81.
- Dalton, Robert J.: *See*—  
 Patterson, Edward B., and Dalton. 2,714,834.  
 Steiner, Oscar, and Dalton. 2,713,815.
- Dalton, William. 2,708,072, Cl. 238—106.
- Dalton, William, to J. Dalton. 2,724,559, Cl. 238—338.
- Dalwigk, George: *See*—  
 Cureton, Paul. 2,698,457.
- Daly, James A., Jr., to Lukens Steel Co. 2,716,291, Cl. 34—120.
- Daly, John T.: *See*—  
 Obenschain, Arthur W., Strobel, and Daly. 2,701,867.
- Daly, Lawrence E., G. F. Raymond, and T. J. Snyder, to United States Rubber Co. 2,706,698, Cl. 154—116.
- Daly, Merritt, & Sullivan, Inc.: *See*—  
 Asker, Gunnar C. F. 2,703,586.
- Daly, Thomas A.: *See*—  
 Radkowski, Leo S., Warren, Daly, and Ellerman. 2,726,550.
- Dalzell, Ben L. and M. L. 2,708,077, Cl. 242—84.4.
- Dalzell, Margie L.: *See*—  
 Dalzell, Ben L. and M. L. 2,708,077.
- Dalziel, Alexander Y., and D. McLean, to Imperial Chemical Industries Ltd. 2,704,867, Cl. 20—69.
- Daman, Arthur C., to Mining Process and Patent Co. 2,713,477, Cl. 261—87.
- Damant, Laurence V., and G. R. Grischkat, to F. N. Burt Co., Inc. 2,728,513, Cl. 229—6.
- Damast, Abraham, to Criterion Bell & Specialty Co., Inc. 2,713,319, Cl. 116—148.
- D'Amato, Vitangelo: *See*—  
 Carrara, Gino, and D'Amato. 2,710,866.
- Dames and Moore: *See*—  
 Dames, Trent R., Strom, Maloney, Chivens, and Boller. 2,702,473.
- Dames, Trent R., J. A. Strom, J. W. Maloney, C. C. Chivens, and H. B. Boller, to Dames and Moore. 2,702,473, Cl. 73—90.
- Damiano, Frank. 2,726,320, Cl. 240—10.1.
- D'Amico, John J., to Monsanto Chemical Co. 2,701,799, Cl. 260—301.
- D'Amico, John J., to Monsanto Chemical Co. 2,704,761, Cl. 260—299.
- D'Amico, John J., to Monsanto Chemical Co. 2,713,053, Cl. 260—302.
- D'Amico, John J., to Monsanto Chemical Co. 2,721,868, Cl. 260—302.
- D'Amico, John J., to Monsanto Chemical Co. 2,721,869, Cl. 260—306.7.
- D'Amico, John J., to Monsanto Chemical Co. 2,727,038, Cl. 260—268.
- Damm, Felix H. H., of 40% to G. Seemann. 2,717,031, Cl. 158—27.4.
- Dammers, Bernhardus G., to Hartford National Bank and Trust Co. 2,712,597, Cl. 250—20.
- Dammers, Bernhardus G., to Hartford National Bank and Trust Co., as trustees. 2,719,221, Cl. 250—20.
- Dammers, Bernhardus G., and A. G. W. Uitjens, to Hartford National Bank and Trust Co., trustee. 2,698,897, Cl. 250—20.
- Dammers, Bernhardus G., and A. G. W. Uitjens, to Hartford National Bank and Trust Co., trustee. 2,710,353, Cl. 250—36.
- Dammers, Bernhardus G., and A. G. W. Uitjens, to Hartford National Bank and Trust Co., as trustee. 2,725,468, Cl. 250—20.
- Damon, Ralph S., and R. H. Hunter; said Damon assor. to said Hunter. 2,721,607, Cl. 158—28.
- Damrow Brothers Co.: *See*—  
 Peters, Norman J. 2,698,624.  
 Schulze, William G. 2,705,965.
- Damschroder, Rudolph E., and R. E. Stauffer, to Eastman Kodak Co. 2,701,199, Cl. 95—8.
- Dana Corp.: *See*—  
 Hesse, Werner G. 2,724,036.  
 Thelander, W. Vincent. 2,724,475.  
 Thelander, W. Vincent. 2,727,612.  
 Thelander, W. Vincent, and Witker. 2,725,966.
- Danby, Spencer, Jr., J. H. Ellett, A. P. Guess, and T. V. Williams, Jr., to E. I. du Pont de Nemours & Co. 2,713,698, Cl. 18—12.
- Danciger, Jack: *See*—  
 Harrison, Taylor. 2,720,157.
- Dancy, William B., and A. Adams, to International Minerals & Chemical Corp. 2,699,377, Cl. 23—184.
- Dane, Ernest B., Jr., to the United States of America as represented by the Secretary of the Air Force. 2,704,513, Cl. 102—3.
- Daneke, Dietrich, to F. M. Brackett. 2,707,632, Cl. 271—89.
- Danel, Pierre F., to Etablissements Neyrpic. 2,723,680, Cl. 137—561.
- Danel, Pierre F., and S. X. Casacci, to Etablissements Neyrpic. 2,722,612, Cl. 290—52.
- Danenberg, Alex: *See*—  
 Johnson, Willard J. 2,709,834.
- Danenberg, Lawrence W.: *See*—  
 Benson, Bernard S., Markakis, Danenberg, and Rounds. 2,728,521.
- Danenberg, Louis: *See*—  
 Johnson, Willard J. 2,709,834.
- Danforth Anchors: *See*—  
 Danforth, Richard S. 2,727,487.  
 Ogg, Robert D. 2,711,150.  
 Ogg, Robert D., and Danforth. 2,705,467.
- Danforth, Joseph D., to The Trustees of Iowa College. 2,720,550, Cl. 260—668.
- Danforth, Richard S., to Danforth Anchors. 2,727,487, Cl. 114—108.
- Danforth, William S.: *See*—  
 Ogg, Robert D., and Danforth. 2,705,467.
- Dangel, Phoenix N., and H. Knohl, to The Kendall Co. 2,713,359, Cl. 139—383.
- Dangel, Phoenix N., and P. S. Taylor, to The Kendall Co. 2,713,361, Cl. 139—426.
- D'Angelo, Joseph, to Western Electric Co., Inc. 2,705,431, Cl. 77—62.
- D'Angelo, Mario: *See*—  
 Keeler, Frederick D., and D'Angelo. 2,724,810.
- Dangmann, William. 2,704,406, Cl. 36—71.



- Dangremond, Robert V., G. P. Lokotzke, and S. H. Shepley. 2,727,263, Cl. 15—55.
- Daniel, Daniel J. 2,713,978, Cl. 242—84.5.
- Daniel, David M. 2,711,196, Cl. 143—24.
- Daniel, Robert S., and M. S. Fulcher. 2,725,059, Cl. 139—31.
- Daniel, Thomas. 2,721,681, Cl. 224—42.1.
- Daniels, Harold F. 2,726,622, Cl. 114—153.
- Daniels, John J., to The Imperial Brass Mfg. Co. 2,726,092, Cl. 279—110.
- Daniels, Joseph L., to Vari-Ohm Corp. 2,724,759, Cl. 201—48.
- Daniels, Lee G. Re. 24,055, Cl. 210—24.
- Daniels, Leonard G., and H. E. Francis, to Thompson Products, Inc. 2,725,265, Cl. 308—4.
- Daniels, Raymond R. J.: See—
- Husgen, Helmut E., and Daniels. 2,710,027.
- Daniels, Richard W., Jr., and J. J. Maciejowski, to United Shoe Machinery Corp. 2,701,462, Cl. 69—1.
- Daniels, Richard W., Jr., and J. J. Maciejowski, to United Shoe Machinery Corp. 2,701,463, Cl. 69—1.
- Daniels, William J., to Morris Motors Ltd. 2,711,345, Cl. 296—137.
- Daniels, William T. 2,703,551, Cl. 118—308.
- Daniels, William T. 2,711,693, Cl. 101—353.
- Danielson, Clarence D. 2,704,868, Cl. 20—95.
- Danielson, Elmer L., and F. J. Dofsen, to E. L. Danielson and F. J. Dofsen, as joint tenants. 2,720,681, Cl. 18—59.
- Danielson, Gustave J. 2,704,991, Cl. 115—34.
- Danielson Mfg. Co., The: See—
- Holt, John E. 2,707,004.
- Holt, John E. 2,720,332.
- Danielson, Stanley D. 2,720,823, Cl. 97—36.
- Danielsson, Elis E. 2,715,031, Cl. 280—36.
- Daninirsch, Harry: See—
- Argentieri, Peter, and Daninirsch. 2,722,880.
- Daninirsch, Harry, to W. B. Connor Engineering Corp. 2,699,287, Cl. 230—114.
- Danis, George H. 2,710,459, Cl. 35—13.
- Danison, Robert C., to Diamond Alkali Co. 2,722,557, Cl. 260—652.5.
- Dank, Alfred P.: See—
- Begun, Semi J., and Dank. 2,708,694.
- Dankovich, Paul F., Jr. 2,726,736, Cl. 188—4.
- Danly Machine Specialties, Inc.: See—
- Georgeff, Vasil. 2,706,026.
- Dann, Morris: See—
- Heisterkamp, Charles A., Menhennett, Dann, and Harpul. 2,698,478.
- Danneil, Herta B. 2,721,596, Cl. 150—1.7.
- Dannenberger, Hans, to Shell Development Co. 2,713,072, Cl. 260—619.
- Dannheim, Fred E. 2,718,804, Cl. 81—52.35.
- Dan River Mills, Inc.: See—
- Gagarine, Dmitry M., and Repokis. 2,724,664.
- Dantzie, Morris. 2,709,392, Cl. 88—56.
- Danulat, Friedrich, and P. Schmalfeld, to Metallgesellschaft Aktiengesellschaft. 2,701,758, Cl. 48—206.
- Danyluke, Ostap, to Bath Iron Works Corp. 2,708,075, Cl. 241—138.
- Danz, Willi: See—
- Johannsen, Adolf, Danz, Fees, and Kammerer. 2,699,375.
- Danziger, Philip F., to Market Industries Co., Inc. 2,727,618, Cl. 206—7.
- D'Aquin, Esler L.: See—
- Gastrock, Edward A., Vix, D'Aquin, Graci, and Spadaro. 2,727,914.
- Gastrock, Edward A., Vix, D'Aquin, Spadaro, and Graci. 2,726,253.
- Darack, Oscar C., to Sundial Broadcasting Corp. 2,719,219, Cl. 250—20.
- Darash, Nicholas P., to The Warner & Swasey Co. 2,723,686, Cl. 139—336.
- D'Arbeloff, Vladimir A. 2,724,769, Cl. 240—59.
- Darbo, Howard H.: See—
- Norman, John H., and Anderson. 2,714,318.
- Darby, George M., to The Dorr Co. 2,715,460, Cl. 209—18.
- Darby, George M., to Dorr-Oliver Inc. 2,723,754, Cl. 209—461.
- Darby, Vene L., to North American Aviation, Inc. 2,718,366, Cl. 244—90.
- Darby, Walter, 1/2 to Stuart Davis Ltd. 2,715,896, Cl. 125—11.
- Darby, Walter, to Stuart Davis Ltd. 2,720,791, Cl. 74—56.
- Dardani, Edward V., to The Heim Co. 2,717,006, Cl. 139—151.
- Dargert, Henry D. 2,722,749, Cl. 34—44.
- Dargier de Saint-Vaulry, Paul, to Lip S. A. d'Horlogerie. 2,713,764, Cl. 58—80.
- Dargols, Bernard. 2,709,977, Cl. 112—178.
- Darin & Armstrong, Inc.: See—
- Darin, Peter C., and Allen. 2,719,698.
- Darin, Peter C., and L. E. Allen, to Darin & Armstrong Inc. 2,719,698, Cl. 255—19.
- Darley, Merrill M., to Allied Chemical & Dye Corp. 2,711,384, Cl. 167—30.
- Darling, Samuel M., to The Standard Oil Co. 2,710,251, Cl. 44—76.
- Darling, Samuel M., to The Standard Oil Co. 2,710,252, Cl. 44—76.
- Darling, Samuel M., to The Standard Oil Co. 2,712,556, Cl. 260—554.
- Darling, Woodrow, to Radio Corp. of America. 2,725,473, Cl. 343—828.
- Darnell, Howard O. 2,699,601, Cl. 29—287.
- Darragh, John L., to California Research Corp. 2,728,684, Cl. 106—285.
- Darrell, George H. 2,711,726, Cl. 124—6.
- Darrough, Truman K. 2,726,097, Cl. 280—446.
- Darrow, Burgess. 2,703,128, Cl. 152—356.
- Darrow, Burgess. 2,703,132, Cl. 154—14.
- Darrow, Burgess, to The Firestone Tire & Rubber Co. 2,713,372, Cl. 152—342.
- Darrow, Merritt I.: See—
- Adams, Jack, and Darrow. 2,700,792.
- Essary, Eskel O., and Darrow. 2,718,872.
- Darsie, Burns, to the United States of America as represented by the Secretary of the Army. 2,708,390, Cl. 89—35.
- Darsie, Burns, to the United States of America as represented by the Secretary of the Army. 2,715,857, Cl. 89—181.
- Dart, Sidney L.: See—
- Peterson, Leroy E., Dart, and Richards. 2,712,214.
- Dart, Sidney L., L. E. Peterson, and J. A. Richards, Jr., to American Viscose Corp. 2,724,264, Cl. 73—95.
- Dartez, Otto, L. Dubois, and C. Hantz. 2,705,825, Cl. 25—118.
- Darwin, Clifford: See—
- Bergstrom, Carl P., and Darwin. 2,699,184.
- Darwin Products, Inc.: See—
- Kaleba, Joseph J., and Pearl. 2,707,214.
- Pearl, Daniel M. 2,705,268.
- Pearl, Daniel M. 2,710,317.
- Darwin, Roy W.: See—
- Billings, Curtis, and Darwin. 2,719,078.
- Das, Jacob, to G. Dikkers & Co. N. V. 2,708,453, Cl. 138—96.
- Dasher, John O.: See—
- Schaufelberger, Felix A., and Dasher. 2,711,958.
- Dasher, Paul J., to Dasher Rubber and Chemical Co. 2,701,268, Cl. 260—711.
- Dasher Rubber and Chemical Co.: See—
- Dasher, Paul J. 2,701,268.
- Dasse, Lester F., to Lambert Brake Corp. 2,705,164, Cl. 288—3.
- Dath, George E., to W. H. Miner, Inc. 2,712,288, Cl. 105—197.
- Dath, George E., to Enterprise Railway Equipment Co. 2,712,290, Cl. 105—305.
- D'Atri, Umberto B. 2,713,542, Cl. 99—80.
- Dauben, Joseph: See—
- Muller, Josef, and Dauben. 2,727,409.
- Daubenspeck, Henry C.: See—
- Winder, Samuel E. 2,722,084.
- Dauber, Harry. 2,705,319, Cl. 343—7.
- Dauber, Louis, R. H. Mueller, and W. K. Fell, to Esso Research and Engineering Co. 2,708,682, Cl. 260—683.15.
- Dauber, Rudolph W.: See—
- Gallup, Floyd H. 2,709,041.
- Daudelin, Roland G.: See—
- Kent, Raymond C., Jr., and Daudelin. 2,716,957.
- Daudet, André C. 2,720,052, Cl. 45—5.
- Daudt William H., to Dow Corning Corp. 2,710,875, Cl. 260—448.2.
- Daenhauer, Florian F. 2,728,344, Cl. 130—30.
- Dauer, Milton E. 2,727,269, Cl. 15—236.
- Daughenbaugh, Paul J.: See—
- Bryan, Jack T., and Daughenbaugh. 2,720,482.
- Daugherty, Jesse, to Giddings & Lewis Machine Tool Co. 2,706,432, Cl. 90—11.
- Daugherty, Ralph K.: See—
- Pike, Clinton B., Jr., and Daugherty. 2,728,443.
- Daugherty, Thomas. 2,711,685, Cl. 99—410.
- Daugherty, Walter J., to The Firestone Tire & Rubber Co. 2,713,373, Cl. 152—384.
- Daugherty, Willis V., to Utica Drop Forge & Tool Corp. 2,699,598, Cl. 29—156.8.
- Daukus, John F., to J. E. Duncan. 2,701,014, Cl. 164—40.
- Daul, George C., J. D. Reid, and R. M. Reinhardt, to the United States of America as represented by the Secretary of Agriculture. 2,721,784, Cl. 8—115.6.
- Daul, George C., R. M. Reinhardt, and J. D. Reid, to the United States of America as represented by the Secretary of Agriculture. 2,724,633, Cl. 8—120.
- Daum, Bernard, to Windsor Case Co., Inc. 2,725,914, Cl. 150—52.
- Daumiller, Guenther, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,713,043, Cl. 260—85.5.
- Dauncey, Leonard A., and J. E. Still, to The General Electric Co. Ltd. 2,721,209, Cl. 260—501.
- Dauner, Karl: See—
- Steiner, Ernst, Noss, and Dauner. 2,728,036.
- Daura Roure, Ramón. 2,700,874, Cl. 61—20.
- Daussat, Russell L., to Esso Research and Engineering Co. 2,709,159, Cl. 252—470.
- D'Avaucourt, Pierre D. 2,704,424, Cl. 51—131.
- D'Avaucourt, Pierre D. 2,704,425, Cl. 51—131.
- D'Avaucourt, Pierre D. 2,718,222, Cl. 125—18.
- Daven Co., The: See—
- Smith, John P., Jr. 2,712,581.
- Davenport, Alvan F. 2,710,547, Cl. 74—562.5.
- Davenport, Granger, and C. A. Poekel, to Gould & Eberhardt, Inc. 2,700,325, Cl. 90—39.
- Davenport, Lee L.: See—
- Getting, Ivan A., and Davenport. 2,709,773.
- Davenport, Lee L., to the United States of America as represented by the Secretary of the Navy. 2,724,825, Cl. 343—74.
- Davey, Edward L., to W. T. Glover & Co. Ltd. 2,709,197, Cl. 174—25.
- Davey, Thomas R. A., to The Broken Hill Associated Smelters Proprietary Ltd. 2,720,456, Cl. 75—88.
- Davia, Ralph D. 2,698,434, Cl. 2—3.
- Davick, Einar. 2,705,357, Cl. 24—241.



- David, Andrew C. 2,704,164, Cl. 214—358.  
David, Andrew M. 2,702,894, Cl. 339—155.  
David, Blanche R. 2,727,646, Cl. 216—33.  
David, Mario T. 2,701,669, Cl. 223—99.  
Davidson, William C., to Nuclear Instrument and Chemical Corp. 2,709,754, Cl. 250—83.6.  
Davids, John H., to Fairbanks, Morse & Co. 2,708,916, Cl. 123—27.  
Davidson, Arthur P. 2,726,606, Cl. 103—87.  
Davidson, Charles W. 2,712,933, Cl. 270—86.  
Davidson Corp.: See—  
George, Harvey F. 2,704,029.  
Davidson, Florence E. 2,698,438, Cl. 2—306.  
Davidson, James L., Jr., to Eaton Mfg. Co. 2,724,217, Cl. 51—50.  
Davidson, John T., to The Standard Register Co. 2,724,279, Cl. 74—243.  
Davidson, John T., to The Standard Register Co. 2,724,280, Cl. 74—243.  
Davidson, John T., and J. A. Schmidt, to The Standard Register Co. 2,700,334, Cl. 101—47.  
Davidson, Joseph F., to Consolidated Engineering Corp. 2,706,398, Cl. 73—40.  
Davidson, Lloyd H.: See—  
Duggan, Francis F., Burke, and Davidson. 2,708,147.  
Davidson, Lloyd H., to Avco Mfg. Corp. 2,710,011, Cl. 134—139.  
Davidson, Ruby S.,  $\frac{1}{2}$  to J. M. Sanders. 2,700,772, Cl. 3—24.  
Davidson, Samuel H., and G. P. Sillitto, to Imperial Chemical Industries Ltd. 2,711,366, Cl. 52—7.  
Davidson, Trevor O., to Bucyrus-Erie Co. 2,712,701, Cl. 37—135.  
Davidson, Trevor O., and T. Learmont, to Bucyrus-Erie Co. 2,727,794, Cl. 305—10.  
Davidson, Vernon D. 2,704,126, Cl. 166—140.  
Davidson, William W., Jr. 2,699,115, Cl. 101—232.  
Davidsson, Tage A. 2,701,347, Cl. 339—40.  
Davies, Ben., to Food Machinery and Chemical Corp. 2,698,588, Cl. 110—99.  
Davies, Benjamin G. 2,703,092, Cl. 131—238.  
Davies, Charles. 2,727,456, Cl. 98—40.  
Davies, David O.: See—  
Ballantyne, David H., Davies, and Bowns. 2,706,888.  
Haworth, Lionel, Davies, and Jubb. 2,718,114.  
Lovesey, Alfred C., Wilde, and Davies. 2,705,590.  
Davies, David O., and A. B. Eley, to Rolls-Royce Ltd. 2,699,037, Cl. 60—35.6.  
Davies, Edgar D. L., and M. A. Jones, dedicated to the free use of the People in the Territory of the United States. 2,704,255, Cl. 99—65.  
Davies, Eric, to Marconi's Wireless Telegraph Co. Ltd. 2,721,909, Cl. 179—171.  
Davies, Frank, and J. K. Pitts, to The British Cotton Industry Research Assn. 2,712,327, Cl. 139—71.  
Davies, Hubert V. 2,702,617, Cl. 192—58.  
Davies, James B. 2,713,951, Cl. 214—506.  
Davies, Joseph R. 2,711,619, Cl. 51—193.  
Davies, Miles, and F. Neth, to F. Neth, d. b. a. Columbia Machine Works. 2,706,320, Cl. 25—41.  
Davies, Miles, and F. Neth, to F. Neth, d. b. a. Columbia Machine Works. 2,706,322, Cl. 25—155.  
Davies, Richard E., to Cleon Products, Inc. 2,703,851, Cl. 315—226.  
Davies, Richard T. 2,716,568, Cl. 292—229.  
Davies, Robert H., to The Parker Appliance Co. 2,726,674, Cl. 137—389.  
Davies, Robert J.: See—  
Jensen, Evans A., and Davies. 2,722,824.  
Davies, Robert J. 2,709,383, Cl. 81—15.2.  
Davies, Roland G. 2,707,478, Cl. 135—52.  
Davies, Rowland, to Carpet Trades Ltd. 2,704,091, Cl. 139—39.  
Davies, Stuart D., and A. E. Briggs, to A. V. Roe & Co. Ltd. 2,723,091, Cl. 244—113.  
Davies, Wayne. 2,724,901, Cl. 33—201.  
Davies, Wayne. 2,724,902, Cl. 33—201.  
Davies, William H., A. Marks, and G. A. Snow, to Imperial Chemical Industries Ltd. 2,714,082, Cl. 167—33.  
Davies-Young Soap Co.: See—  
Pollock, Lou, and Wald. 2,699,731.  
Pollock, Lou, and Wald. 2,728,609.  
Trusler, Ralf B. 2,710,285.  
Trusler, Ralf B. 2,715,069.  
Trusler, Ralf B., and Sutton. 2,704,731.  
Davis Aircraft Products Inc.: See—  
Davis, Frank L. 2,710,436.  
Davis, Frank L. 2,710,999.  
Davis, Frank L. 2,724,163.  
Davis, Albert S., Jr., to Research Corp. 2,711,226, Cl. 183—7.  
Davis, Alden B.: See—  
Butler, Keith H., and Davis. 2,728,731.  
Shaffer, Francis N., and Davis. 2,723,958.  
Davis, Allan C., to The Davis Caser Co. 2,701,085, Cl. 226—14.  
Davis, Arnold R., to American Cyanamid Co. 2,716,635, Cl. 260—3.  
Davis, Arnold R., to American Cyanamid Co. 2,716,636, Cl. 260—3.  
Davis, Arthur F., to The Colson Corp. 2,704,682, Cl. 287—126.  
Davis, C. Edward. 2,702,996, Cl. 64—32.  
Davis Caser Co.: See—  
Davis, Allan C. 2,701,085.  
Davis, Claude A. 2,727,112, Cl. 200—152.  
Davis, Clyde O., H. A. Lewis, and G. A. Noddin, to E. I. du Pont de Nemours & Co. 2,726,602, Cl. 102—29.  
Davis, Craig L., to Catawissa Valve & Fittings Co. 2,709,566, Cl. 251—148.  
Davis, Curtis W., Jr.: See—  
Brown, Wilbur F., Mook, Jarosi, and Davis. 2,714,558.  
Davis, Damon A., Jr., to Gulf Oil Corp. 2,726,135, Cl. 23—1.  
Davis, Damon A., Jr., to Gulf Oil Corp. 2,726,136, Cl. 23—1.  
Davis, Damon A., Jr., to Gulf Oil Corp. 2,726,137, Cl. 23—1.  
Davis, David G., to D. G. Davis, as trustee. 2,712,242, Cl. 74—22.  
Davis, David T.: See—  
Woods-Hill, William, and Davis. 2,703,201.  
Davis, Donald W., to Minnesota Mining & Mfg. Co. 2,725,142, Cl. 206—59.  
Davis, Douglas P. 2,711,802, Cl. 188—264.  
Davis, Douglas P. 2,714,977, Cl. 222—424.5.  
Davis, Dustin F.: See—  
Haehn, Robert L., and Davis. 2,699,880.  
Davis, Edgar B. 2,708,705, Cl. 219—19.  
Davis, Edward H., deceased, by M. D. D. Culler, administratrix, to M. D. D. Culler. 2,709,732, Cl. 200—138.  
Davis, Ellis T.: See—  
Hohl, John S., and Davis. 2,699,502.  
Davis, Elwood A., to Friden Calculating Machine Co., Inc. 2,722,377, Cl. 235—63.  
Davis, Elwood T., to Leeds and Northrup Co. 2,706,083, Cl. 236—15.  
Davis, Ernest W. 2,699,271, Cl. 222—335.  
Davis, Ernest W. 2,702,657, Cl. 222—359.  
Davis, Frank L., to Davis Aircraft Products Inc. 2,710,436, Cl. 24—68.  
Davis, Frank L., to Davis Aircraft Products Inc. 2,710,999, Cl. 24—197.  
Davis, Frank L., to Davis Aircraft Products Inc. 2,724,163, Cl. 24—223.  
Davis, Franklin O., to Thiokol Chemical Corp. 2,715,635, Cl. 260—327.  
Davis, Franklin O., to Thiokol Chemical Corp. 2,728,748, Cl. 260—79.1.  
Davis, Frederick L. 2,717,524, Cl. 74—752.  
Davis & Furber Machine Co.: See—  
Kooistra, John A. 2,717,519.  
Davis & Geck, Inc.: See—  
Smith, David F. 2,700,461.  
Davis, George B., Jr. 2,727,129, Cl. 219—20.  
Davis, George H., 50% to Detroit Macoid Corp. 2,725,733, Cl. 65—66.  
Davis, George L. 2,701,673, Cl. 226—27.  
Davis, George L. 2,718,282, Cl. 185—39.  
Davis, George O. 2,728,489, Cl. 222—149.  
Davis, George W., 49% to H. R. Hester. 2,703,946, Cl. 43—42.22.  
Davis, Gertrude, to Daintifyt Brassiere Co. Ltd. 2,714,211, Cl. 2—42.  
Davis, Gilmore F.: See—  
Andrews, Francis J., and Davis. 2,720,398.  
Davis, Gordon D.: See—  
Knox, William J., Jr., and Davis. 2,719,087.  
Davis, Grover L.: See—  
Stevens, Fred K., and Davis. 2,728,210.  
Davis, Harold G. 2,716,984, Cl. 128—225.  
Davis, Harold M., to Precision Paper, Inc. 2,704,453, Cl. 73—159.  
Davis, Harry: See—  
Rothman, Max I., and Davis. 2,721,265.  
Davis, Harry C. 2,727,770, Cl. 291—11.  
Davis, Hazel E. 2,720,965, Cl. 206—56.  
Davis, Hazel E. 2,720,966, Cl. 206—56.  
Davis, Herbert L., to The B. F. Goodrich Co. 2,704,993, Cl. 118—56.  
Davis, Herbert M., to National Research Development Corp. 2,725,524, Cl. 324—31.  
Davis, Howell F.: See—  
Southam, Earl A., Davis, and Wennes. 2,711,469.  
Davis, Hubert G., and T. P. Wilson, to Union Carbide and Carbon Corp. 2,717,259, Cl. 260—449.6.  
Davis, Hubert G., T. P. Wilson, and A. N. Kurtz, to Union Carbide and Carbon Corp. 2,717,260, Cl. 260—449.6.  
Davis, Hyman R.: See—  
Bloomer, Ward J., and Davis. 2,718,757.  
Davis, Jack M. 2,724,053, Cl. 250—33.  
Davis, James H. 2,719,414, Cl. 65—65.  
Davis, John B. 2,699,204, Cl. 160—91.  
Davis, John V., to The Udylyte Corp. Re. 24,072, Cl. 134—77.  
Davis, John V., and C. G. Clark, to The Udylyte Corp. 2,716,415, Cl. 134—76.  
Davis, John W.: See—  
Foley, Theo L., and Davis. 2,709,227.  
Davis, Kenneth E., and W. A. Weightman, to The Budd Co. 2,724,158, Cl. 22—20.  
Davis, Lawrence B.: See—  
Higbee, Wilmer L., and Davis. 2,721,783.  
Davis Manufacturing Company: See—  
Davis, Zean W. 2,715,002.  
Davis, Max: See—  
Koffman, Ben, and Davis. 2,728,129.  
Davis, Michael Z. 2,716,767, Cl. 15—21.  
Davis, Neville R., and J. N. Wetherill, to Sunvic Controls Ltd. 2,726,300, Cl. 200—139.  
Davis, Oliver F., and H. G. Belitz, to The Commonwealth Engineering Co. of Ohio. 2,728,321, Cl. 118—49.



- Davis, Ralph A. : *See*—  
 Ruh, Robert P., and Davis. 2,705,247.  
 Ruh, Robert P., Davis, and Allswede. 2,705,229.
- Davis, Ralph E. : *See*—  
 Capstack, Eugene J., and Davis. 2,706,031.
- Davis, Ralph E. 2,723,663, Cl. 128—75.  
 Davis, Ralph E. 2,723,664, Cl. 128—78.  
 Davis, Ralph O. 2,720,021, Cl. 29—265.  
 Davis, Ralph P., to Walworth Co. 2,716,789, Cl. 22—10.  
 Davis, Ralph P., to Link-Belt Co. 2,722,726, Cl. 22—64.  
 Davis, Richard E., to The Oilgear Co. 2,714,288, Cl. 60—52.  
 Davis, Robert L., to American Seating Co. 2,708,966, Cl. 155—189.  
 Davis, Robert L., to Sun Oil Co. 2,720,834, Cl. 102—22.  
 Davis, Robert O., to The Gene Olsen Corp. 2,698,475, Cl. 25—155.  
 Davis, Robert O., to Gene Olsen Corp. 2,706,843, Cl. 25—155.  
 Davis, Robert P., and J. Philippi, to Air Reduction Co., Inc. 2,700,583, Cl. 311—7.  
 Davis, Robert W., and J. L. Lummus, to Stanolind Oil and Gas Co. 2,705,050, Cl. 166—31.  
 Davis, Rodger W. : *See*—  
 Thieblot, Armand J., and Davis. 2,714,999.
- Davis, Roscoe T., to De Moulin Bros. & Co. 2,721,410, Cl. 41—34.  
 Davis, Roy P. M., and N. Shaeffer, to Cutter Corp. 2,722,739, Cl. 30—30.  
 Davis, Sam L. 2,703,885, Cl. 2—42.  
 Davis, Samuel S. 2,720,862, Cl. 119—61.  
 Davis, Sidney, to American Bosch Arma Corp. 2,713,660, Cl. 322—96.  
 Davis, Stuart, Ltd. : *See*—  
 Darby, Walter. 2,715,896.
- Davis, Thomas A. 2,707,958, Cl. 128—349.
- Davis & Thompson Co. : *See*—  
 McCann, Walter L. 2,699,856.  
 Otto, Gerhold L. 2,701,482.
- Davis, Ural E., 25% to I. R. Gumer. 2,704,412, Cl. 43—21.2.
- Davis, Walter : *See*—  
 Campfield, Arthur E., and Davis. 2,716,992.
- Davis, Walter C., to The Sharples Corp. 2,708,630, Cl. 99—7.  
 Davis, Walter L. 2,714,228, Cl. 19—134.  
 Davis, Wayne K. 2,708,640, Cl. 117—149.  
 Davis, Wilfred W., and J. E. Donlon. 2,702,496, Cl. 90—13.1.
- Davis, William B. : *See*—  
 Kilbourne, Frederick L., Jr., and Davis. 2,709,161.
- Davis, William E., and A. and O. W. Scott ; said A. and O. W. Scott assors. to said W. E. Davis. 2,715,968, Cl. 214—5.5.
- Davis, William M. 2,701,878, Cl. 2—21.
- Davis, Woolson H. : *See*—  
 Cook, Kenneth L., Jarvis, and Davis. 2,700,483.
- Davis, Zeau W., to Davis Mfg. Co. 2,715,002, Cl. 248—51.
- Davison, Alan, and J. G. Pearce, to Automatic Telephone & Electric Co. Ltd. 2,706,751, Cl. 179—84.
- Davison, Alan, and R. Threadgold, to Automatic Telephone & Electric Co. Ltd. 2,722,567, Cl. 179—18.
- Davisson, Jacob W. : *See*—  
 Shull, Gilbert M., Kita, and Davisson. 2,702,812.
- Davol Rubber Co. : *See*—  
 Clemens, John A. 2,720,328.  
 Perreault, Emile V. 2,699,169.  
 Raiche, Paul A. 2,709,279.
- Davoll, John, and G. B. Brown, to the United States of America as represented by the United States Atomic Energy Commission. 2,719,843, Cl. 260—211.5.
- Davy and United Engineering Co. Ltd. : *See*—  
 Nicholson, George G. 2,716,450.  
 Russell, Robert G. 2,723,086.
- Dawes, Forrest L. : *See*—  
 Collins, Don F., and Dawes. 2,718,030.
- Dawson, Edward W. : *See*—  
 Creek, John O., and Dawson. 2,714,765.
- Dawson, Helen L., and M. D. Wheatley. 2,717,227, Cl. 167—74.
- Dawson, Lester R., to The Milwhite Co., Inc. 2,702,788, Cl. 252—8.5.
- Dawson, Lindsay G. : *See*—  
 Morris, John N., and Dawson. 2,719,035.
- Dawson, Resford A. 2,710,048, Cl. 155—94.
- Dawson, Robert A. J. 2,715,235, Cl. 15—104.04.
- Dawson, Rupert, to James Neill & Co. (Sheffield) Ltd. 2,727,545, Cl. 145—31.
- Day, Carl L., and R. H. Breeback, to Crown Cork & Seal Co., Inc. 2,699,282, Cl. 226—98.
- Day, Carl L., and L. F. Pahl, to Crown Cork & Seal Co., Inc. 2,701,676, Cl. 226—124.
- Day, Carl L., and W. D. Regnier, to Crown Cork & Seal Co., Inc. 2,704,929, Cl. 62—126.
- Day, Carl L., and L. F. Pahl, to Crown Cork & Seal Co., Inc. 2,711,279, Cl. 226—116.
- Day, Carl L., and F. E. Fauth, to Crown Cork & Seal Co., Inc. 2,718,989, Cl. 226—22.
- Day, Carl L., and J. G. Voelker, to Crown Cork & Seal Co., Inc. 2,721,021, Cl. 226—108.
- Day, Carl L., and L. F. Pahl, to Crown Cork & Seal Co., Inc. 2,724,535, Cl. 226—124.
- Day, Carl L., and R. S. Jump, to Crown Cork & Seal Co., Inc. 2,725,170, Cl. 226—124.
- Day, Cyril L., to Farnsworth Research Corp. 2,708,250, Cl. 313—282.
- Day, Cyril L., to International Telephone and Telegraph Corp. 2,728,425, Cl. 189—36.5.
- Day, Earl R., L. A. Wright, and M. C. Nalley ; said Nalley assor. to said Day and said Wright. 2,704,998, Cl. 121—164.
- Day, Edward J., to Lukon, Inc. 2,714,582, Cl. 252—311.5.
- Day, Grover A. 2,712,831, Cl. 138—26.
- Day, J. H., Co., Inc., The : *See*—  
 Baechle, Walter A. 2,703,668.  
 Bruestle, William P. 2,712,376.
- Day, John B. : *See*—  
 Schutt, Friederich J., and Day. 2,702,629.
- Day, Robert E., to Solar Aircraft Co. 2,701,444, Cl. 60—39.71.
- Day, Robert E., and F. J. Hill, to Solar Aircraft Co. 2,720,078, Cl. 60—35.6.
- Day, Samuel S., to Whitney Blake Co. 2,718,660, Cl. 18—1.
- Day, Samuel S. 2,725,238, Cl. 280—11.2.
- Day, Thomas L. : *See*—  
 Argentieri, Peter A., and Day. 2,712,786.
- Day, Walter T. J., W. E. Sablesak, and B. Levine, to the United States of America as represented by the Secretary of the Army. 2,728,865, Cl. 307—80.
- Day, William P., and W. L. Hamilton, to The International Vibration Co. 2,725,799, Cl. 94—44.
- Daystrom, Inc. : *See*—  
 Allen, Howard G., and Thomas. 2,708,394.  
 Roensch, Burns. 2,701,904.
- Dayton Aircraft Products, Inc. : *See*—  
 Slaughter, Herbert H., Jr., and Von Wald. 2,705,255.
- Dayton, Carl S., to General Electric Co. 2,720,953, Cl. 192—3.5.
- Dayton Rubber Co., The : *See*—  
 Lofton, Edgar K. 2,713,974.  
 McKinley, James G. 2,713,885.  
 Ritzert, Norman J. 2,728,176.  
 Waugh, Dale L. 2,699,685.  
 Waugh, Dale L. 2,705,823.  
 Waugh, Dale L. 2,711,778.  
 Waugh, Dale L. 2,726,976.
- Dayton Steel Foundry Co., The : *See*—  
 Walther, George, Sr. 2,701,626.  
 Walther, George, Sr. 2,702,613.  
 Walther, John W. 2,707,324.
- Dazzi, Joachim, to Monsanto Chemical Co. 2,709,691, Cl. 260—31.8.
- Dazzi, Joachim, to Monsanto Chemical Co. 2,718,495, Cl. 204—158.
- Dazzi, Joachim, to Monsanto Chemical Co. 2,725,364, Cl. 260—30.2.
- Dazzi, Joachim, and J. E. Fields, to Monsanto Chemical Co. 2,727,006, Cl. 252—56.
- D'Azzo, Errol P. 2,711,916, Cl. 287—54.
- De Directie van de Staatsmijnen in Limburg, handelend voor en namens de Staat der Nederlanden : *See*—  
 Ottenheim, Johannes H. 2,709,179.  
 Van Loom, Willem. 2,707,444.
- De Nederlandse Centrale Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek : *See*—  
 Vermij, Max O. 2,727,842.
- De Staat der Nederlanden Ten Deze Vertegenwoordigd Door de Directeur-Generaal der Posterijen, Telegrafie en Telefonie : *See*—  
 Oberman, Roelof M. M. 2,711,444.  
 Oberman, Roelof M. M. 2,714,629.  
 Oberman, Roelof M. M., and Snijders. 2,715,724.
- Deacon, William : *See*—  
 Holl, Raymond, and Deacon. 2,709,888.
- Deahl, Thomas J., and H. de V. Finch, to Shell Development Co. 2,701,264, Cl. 260—596.
- Deakers, Thorpe W., to Ever-Dry Corp. 2,716,250, Cl. 15—134.
- Deakins, Thomas A. : *See*—  
 Lasater, John A., and Deakins. 2,713,703.  
 Lasater, John A., and Deakins. 2,718,679.
- Deakter, Max : *See*—  
 Rosenfeld, Harry, Reiter, and Deakter. 2,714,925.
- Dean, Albert G. : *See*—  
 Dean, Walter B. and A. G. 2,713,832.
- Dean, Charles A. 2,698,737, Cl. 255—72.
- Dean, George A. 2,718,153, Cl. 74—219.
- Dean, Homer V., to Dean Mfg. Co., Inc. 2,726,407, Cl. 5—66.
- Dean Mfg. Co., Inc. : *See*—  
 Dean, Homer V. 2,726,407.
- Dean, Milo M., N. A. Thunstrom, and N. P. Martin, to The Greyhound Corp. 2,722,987, Cl. 180—64.
- Dean, Otis P. 2,708,767, Cl. 16—22.
- Dean, Reginald S. : *See*—  
 Fox, Abraham L. 2,701,104.
- Dean, Reginald S. 2,717,870, Cl. 204—45.
- Dean, Reginald S., J. D. Burney, and W. O. Cook, to P. R. Mallory & Co., Inc. 2,714,580, Cl. 252—62.5.
- Dean, Robert O., to Redmond Co., Inc. 2,720,601, Cl. 310—69.
- Dean, Ronald A. : *See*—  
 Birch, Stanley F., Fidler, and Dean. 2,717,269.
- Dean, Ruth M. : *See*—  
 Sartin, Hansel, and Dean. 2,706,297.
- Dean, Walter B., to The Budd Co. 2,719,489, Cl. 105—62.
- Dean, Walter B., to The Budd Co. 2,724,344, Cl. 105—133.
- Dean, Walter B. and A. G., to The Budd Co. 2,713,832, Cl. 105—190.
- Dean, Walter E., to J. D. Robertson. 2,708,785, Cl. 26—63.
- De Angelo, Mattia : *See*—  
 Reischer, Walter, and De Angelo. 2,711,571.
- De Anguera, Philip, to Graham Tie Dowel Service Co. 2,714,831, Cl. 85—20.



- De Anguera, Philip, to Graham Tie Dowel Service Co. 2,722,248, Cl. 144—31.
- Deans, Sidney A. V., J. A. Scarrow, and D. Beall, to American Home Products Corp. 2,711,988, Cl. 167—74.5.
- Deans, Sidney A. V., and J. A. Scarrow, to American Home Products Corp. 2,712,009, Cl. 260—239.1.
- Deans, Sidney A. V., and J. A. Scarrow, to American Home Products Corp. 2,712,010, Cl. 260—239.1.
- Dearborn Chemical Co.: *See*—
- Denman, Wayne L. 2,727,867.
- Dearborn, Robert J.: *See*—
- Brown, James H., Dearborn, and Power. 2,701,258.
- Dearborn Stove Co.: *See*—
- Marshall, William A., Staton, and Kleinmann. 2,726,205.
- Dearling, Harry S. 2,712,200, Cl. 46—28.
- Dearlove, William E., to Caterpillar Tractor Co. 2,719,063, Cl. 305—10.
- D'Eath, Albert R. 2,727,781, Cl. 296—61.
- Deaver, Charles V., to Yuba Consolidated Gold Fields. 2,727,623, Cl. 209—44.
- De Back, William and S. Puccinelli, to Food Machinery and Chemical Corp. 2,699,191, Cl. 146—51.
- De Baun, James R. 2,707,207, Cl. 178—6.7.
- De Beaubien, William J., to General Motors Corp. 2,702,338, Cl. 240—2.
- De Beaubien, William J., to General Motors Corp. 2,702,339, Cl. 240—2.
- De Beaubien, William J., to General Motors Corp. 2,704,962, Cl. 88—98.
- Debeh, Ali Y. 2,702,540, Cl. 128—20.
- De Bell, Arthur G. 2,702,500, Cl. 95—58.
- De Bell, Ernest A., to The Plessey Co. Ltd. 2,704,316, Cl. 201—55.
- De Bell, Ernest A., to The Plessey Co. Ltd. 2,705,273, Cl. 201—55.
- De Bell, John M., and M. H. Nickerson, to Orangeburg Mfg. Co., Inc. 2,715,615, Cl. 260—28.5.
- De Bell, John M., Jr., to Allen B. Du Mont Laboratories, Inc. 2,716,219, Cl. 333—11.
- De Benedetti, Francesco, and M. Thiele. 2,700,989, Cl. 138—46.
- De Benneville, Peter L., to Rohm & Haas Co. 2,713,576, Cl. 260—192.
- De Benneville, Peter L., to Rohm & Haas Co. 2,727,068, Cl. 260—551.
- De Benneville, Peter L., and L. S. Luskin, to Rohm & Haas Co. 2,719,156, Cl. 260—249.9.
- Debler, Edmund, to J. R. Woods & Sons, Inc. 2,725,730, Cl. 63—15.2.
- Debler, Edmund, to J. R. Wood & Sons, Inc. 2,726,520, Cl. 63—15.3.
- De Boer, John H., deceased; Marine Midland Trust Co. of Central New York and B. E. Shove, executors, to De Boer Mfg. Co., Inc. 2,717,398, Cl. 5—28.7.
- De Boer Mfg. Co., Inc.: *See*—
- De Boer, John H. 2,717,398.
- De Boisblanc, Deslonde R.: *See*—
- Malick, Emil A., and de Boisblanc. 2,715,815.
- Marsden, Ross S., Jr., and de Boisblanc. 2,701,832.
- Marsden, Ross S., Jr., and de Boisblanc. 2,710,899.
- McCullom, Kenneth A., and de Boisblanc. 2,715,832.
- De Boisblanc, Deslonde R., to Phillips Petroleum Co. 2,702,476, Cl. 73—295.
- De Boisblanc, Deslonde R., to Phillips Petroleum Co. 2,703,493, Cl. 73—194.
- De Boisblanc, Deslonde R., and R. S. Marsden, Jr., to Phillips Petroleum Co. 2,728,836, Cl. 201—63.
- De Bonville, Arthur L., and J. S. Swercowski. 2,716,834, Cl. 43—55.
- De Boursknecht, Pierre L., to Tracerlab, Inc. 2,728,862, Cl. 250—83.6.
- De Bourguignon, Francois E., and C. R. Patterson, to Cardox Corp. 2,725,891, Cl. 137—219.
- Debrie, André V. L. C. 2,728,264, Cl. 88—18.4.
- De Brock, Robert F., to Owens-Illinois Glass Co. 2,700,784, Cl. 15—132.7.
- De Buda, Rudolf G., to Canadian General Electric Co., Ltd. 2,710,380, Cl. 336—187.
- De Buzareinques, Jacques B., to General Electric Co. 2,704,518, Cl. 105—199.
- Dec, Edward. 2,708,537, Cl. 224—2.
- De Carli, Earl V., to General Electric Co. 2,699,664, Cl. 68—269.
- De Caro, Charles J.: *See*—
- Fabel, Donald C., and DeCaro. 2,710,077.
- Decca Record Co. Ltd., The: *See*—
- Bridges, Donald E., and O'Brien. 2,712,603.
- Bridges, Donald E., and O'Brien. 2,724,772.
- West, Ralph L. 2,722,990.
- Decepoli, Carmine. 2,704,211, Cl. 273—128.
- De Changy, Gilbert, to Electricite de France-Service National-Direction des Etudes et Recherches. 2,710,145, Cl. 235—137.
- Deckel, Friedrich W.: *See*—
- Braun, Wilhelm. 2,710,568.
- Gebele, Kurt. 2,715,357.
- Gebele, Kurt. 2,728,279.
- Zwick, Kurt. 2,703,510.
- Zwick, Kurt. 2,713,289.
- Zwick, Kurt. 2,713,290.
- Zwick, Kurt. 2,715,859.
- Deckel, Hans: *See*—
- Braun, Wilhelm. 2,710,568.
- Gebele, Kurt. 2,715,357.
- Gebele, Kurt. 2,728,279.
- Zwick, Kurt. 2,703,510.
- Zwick, Kurt. 2,713,289.
- Zwick, Kurt. 2,713,290.
- Zwick, Kurt. 2,715,859.
- Decker, Andrew H., to Warner Electric Brake & Clutch Co. 2,717,977, Cl. 317—123.
- Decker, Beulah F.: *See*—
- Geisler, Alfred H., Asp, and Decker. 2,713,125.
- Decker, Charles A., to Arvey Corp. 2,720,046, Cl. 40—124.1.
- Decker, Elmer L., to Martin-Decker Corp. Re. 24,092, Cl. 73—143.
- Decker, Elmer L., to Martin-Decker Corp. 2,700,302, Cl. 73—136.
- Decker, Elmer L., to Martin-Decker Corp. 2,700,304, Cl. 73—143.
- Decker, Jacob: *See*—
- Stuckey, Albert D. C., and Decker. 2,718,101.
- Deckert, Oscar R. 2,704,858, Cl. 17—26.
- De Cordero, Catalina R. 2,711,538, Cl. 2—84.
- De Croes, George C., and J. W. Tamblin, to Eastman Kodak Co. 2,710,811, Cl. 106—189.
- De Croes, George C., and G. A. Akin, to Eastman Kodak Co. 2,719,169, Cl. 260—465.3.
- Dedda, Luca F. 2,714,304, Cl. 70—406.
- Dee, Robert J., to Market Industries Co., Inc. 2,723,025, Cl. 206—7.
- Deen, James R., to Gilfillan Bros., Inc. 2,720,585, Cl. 250—27.
- Deep Rock Oil Corp.: *See*—
- Thomas, John. 2,726,886.
- Deer, Leon L. 2,705,500, Cl. 134—3.
- Deere & Co.: *See*—
- Adams, Donald L. 2,708,582.
- Altgelt, Herman E. 2,710,569.
- Altgelt, Herman E. 2,722,877.
- Bopf, Edward C. 2,722,874.
- Brown, Theophilus. 2,725,810.
- Cook, Curtiss L. 2,702,447.
- Cook, Curtiss L. 2,714,460.
- Cook, Curtiss L. 2,717,071.
- Cook, Curtiss L., and Young. 2,708,397.
- Gilchrist, David E., and Verger. 2,719,635.
- Heitshu, Daniel C. 2,719,395.
- Lindeman, Jesse G. 2,707,907.
- Lindeman, Jesse G. 2,719,474.
- Lindeman, Jesse G., Heintz, Krehbiel, and Durland. 2,713,298.
- Lindeman, Jesse G., and Krehbiel. 2,708,906.
- Lindeman, Jesse G., and Youngs. 2,725,809.
- Oehler, William, and Youngberg. 2,704,018.
- Oehler, William P., and Immesoete. 2,728,313.
- Oehler, William P., and Youngberg. 2,728,179.
- Oerman, Orey W. 2,706,940.
- Pasturczak, Stanley F. 2,708,920.
- Pasturczak, Stanley F. 2,728,411.
- Purcell, William F. H. 2,702,711.
- Silver, Walter H., and Cantral. Re. 24,018.
- Silver, Walter H., and Cox. 2,713,296.
- Silver, Walter H., and Lohrman. 2,713,295.
- Sorensen, Knud B., and Peirson. 2,716,855.
- Stueland, Harold M. 2,719,638.
- Stueland, Harold M. 2,723,039.
- Termont, Charles G. 2,721,520.
- Deere, John, Killefer Co.: *See*—
- Frank, William R. 2,725,812.
- Tsuchiya, William S. 2,713,297.
- Deere, John, Plow Co. (Ltd.): *See*—
- Northcote, John A. 2,721,525.
- Deere, John, Van Brunt Co.: *See*—
- Hyland, William A., and Schnell. 2,701,513.
- Starr, John H. 2,700,330.
- Starr, John H. 2,719,740.
- Deere Mfg. Co.: *See*—
- Andrews, Norman F. 2,700,262.
- Andrews, Norman F. 2,721,431.
- Andrews, Norman F., and Dort. 2,721,557.
- Cassidy, Fred. 2,699,026.
- Cassidy, Fred. 2,699,028.
- Du Shane, Wallace H., and Rugen. 2,710,546.
- Edman, John H. 2,721,508.
- Fletcher, Edward H., and Ethington. 2,725,963.
- Gleeson, John D. 2,714,291.
- Houck, Gordon H. 2,726,106.
- Hubbard, Arthur L. 2,699,027.
- Hubbard, Arthur L. 2,699,029.
- Hubbard, Arthur L. 2,721,436.
- Hubbard, Wallace L. 2,723,520.
- Hunter, George D. 2,716,476.
- McClellan, Marcus E. 2,716,317.
- McClellan, Marcus E., and Skromme. 2,719,619.
- Neighbour, Leonard B. 2,699,948.
- Neighbour, Leonard B. 2,699,949.
- Neighbour, Leonard B., and Martens. 2,699,947.
- Nordenson, Willard H. 2,702,724.
- Skromme, Arnold B. 2,716,318.
- Skromme, Arnold B. 2,725,704.
- Strauss, Louis W. 2,699,107.
- Sutherland, Gail G. 2,708,822.
- Thomann, Fred A., and Meier. 2,719,394.
- Deering Milliken Research Corp.: *See*—
- Brink, Robert M. 2,712,574.



- Deering Milliken Research Trust: *See*—  
 Smith, Philip N., and Hicks. 2,698,982.  
 Strother, Fred P., and Tourtellot. 2,699,701.
- Deering, Thomas J. 2,719,410, Cl. 62—129.
- Deering, Thomas J. 2,719,411, Cl. 62—129.
- Dees, Asa C., to Phillips Petroleum Co. 2,720,509, Cl. 260—79.
- Deeter, Everett L.: *See*—  
 Bennett, Ralph D., and Deeter. 2,702,507.
- De Falco, Nicholas: *See*—  
 Amos, Bernard, and De Falco. 2,699,497.
- De Fazio, Joseph. 2,701,883, Cl. 5—317.
- De Feo, Angelo: *See*—  
 Carey, Colwell, and De Feo. 2,724,602.
- De Feo, Angelo, and W. Francisco, Jr., to Curtiss-Wright Corp. 2,721,640, Cl. 192—85.
- Deffenbaugh, John L., to Caterpillar Tractor Co. 2,699,974, Cl. 305—10.
- De Fligué, Wladimir. 2,717,978, Cl. 317—198.
- Defoe, Edward C., and W. M. Blair, to California Research Corp. 2,721,833, Cl. 196—38.
- De Forest, Taber, to Magnaflux Corp. 2,707,236, Cl. 250—71.
- De Fraites, Arthur A. 2,702,962, Cl. 46—6.
- De France, Henri G. 2,700,700, Cl. 178—7.7.
- De France, Henri G. M., to Societe Nouvelle de l'Outillage R. B. V. et de la Radio-Industrie (R. B. V.-R. I.). 2,704,304, Cl. 178—5.6.
- De Frances, Lawrence, to Zeidler Mfg. Co., Inc. 2,708,322, Cl. 38—66.
- De Frances, Lawrence, to Zeidler Mfg. Co., Inc. 2,708,460, Cl. 140—2.
- De Francisci, Joseph, to De Francisci Machine Corp. 2,724,482, Cl. 198—21.
- De Francisci Machine Corp.: *See*—  
 De Francisci, Joseph. 2,724,482.
- De Frees, Barbara B.: *See*—  
 De Frees, Joseph H. 2,707,747.
- De Frees, Joseph H., to B. B. De Frees. 2,707,747, Cl. 240—7.1.
- Degaetano, Ralph, and M. M. Fernandez, said Fernandez assor. to said Degaetano. 2,726,425, Cl. 20—57.7.
- De Gail, Marc L., to E & M Lamort Fils. 2,700,470, Cl. 209—287.
- De Ganahl, Carl, J. G. Coffin, and H. F. Basch, to Kaiser Metal Products, Inc. 2,710,136, Cl. 230—122.
- De Ganahl, Carl, J. A. Grant, and C. E. Bacon; said Grant and said Bacon assors. to Owens-Corning Fiberglas Corp. 2,714,414, Cl. 154—1.8.
- Degelman, John, to The A. C. Gilbert Co. 2,722,650, Cl. 321—2.
- Degelow, Albert J., Sr. 2,724,180, Cl. 30—232.
- De Gier, Johannes, to Hartford National Bank and Trust Co. 2,727,171, Cl. 313—75.
- De Gier, Johannes, and T. Hagenberg, to Hartford National Bank and Trust Co. 2,722,085, Cl. 49—81.
- De Giers, Clarence A., to The Liquidometer Corp. Re. 24,075, Cl. 73—32.
- De Giers, Clarence A., to The Liquidometer Corp. 2,724,272, Cl. 73—304.
- De Giers, Clarence A., to The Liquidometer Corp. 2,728,546, Cl. 248—358.
- De Graaff, Pieter, to N. V. Nederlandse Tank-Apparaten-en Machinefabriek Netam, and C. V. Fabriek voor Auto-en Machinebouw, Reinigings-en Brandweermaterieel v/h J. Geesink & Zonen. 2,706,058, Cl. 214—503.
- De Gracia, Manuel, (Mengod). 2,704,517, Cl. 104—27.9.
- De Gree, Wilmar H. 2,726,403, Cl. 4—57.
- De Groote, Melvin, to Petrolite Corp. 2,716,126, Cl. 260—402.
- De Groote, Melvin, to Petrolite Corp. 2,716,127, Cl. 260—402.
- De Groote, Melvin, to Petrolite Corp. 2,723,249, Cl. 260—58.
- De Groote, Melvin, to Petrolite Corp. 2,723,283, Cl. 260—475.
- De Groote, Melvin, to Petrolite Corp. 2,723,284, Cl. 260—475.
- De Groote, Melvin, to Petrolite Corp. 2,723,285, Cl. 260—475.
- De Groote, Melvin, and K.-T. Shen, to Petrolite Corp. 2,723,241, Cl. 252—344.
- De Groote, Melvin, and B. Keiser, to Petrolite Corp. 2,723,250, Cl. 260—62.
- De Groote, Melvin, and B. Keiser, to Petrolite Corp. 2,723,251, Cl. 260—62.
- De Groote, Melvin, and B. Keiser, to Petrolite Corp. 2,723,252, Cl. 260—62.
- De Guevara, Moises L., 57½% to C. Van Buren, and 42½% to Pearlman, Baldridge, Lyons, and Browning. 2,701,781, Cl. 167—17.
- De Haas, Max, and C. E. Greene, to The Monarch Machine Tool Co. 2,720,129, Cl. 82—14.
- De Halleux, Pierre, to Doutors Societe Anonyme Holding. 2,703,958, Cl. 57—58.36.
- Dehaus, Albert J. 2,718,273, Cl. 181—42.
- De Haven, Hugh: *See*—  
 Griswold, Roger W., II, and De Haven. 2,710,649.
- De Havilland Engine Co. Ltd., The: *See*—  
 Halford, Frank B., Moulit, and Arscott. 2,726,508.
- De Hertelendy, Andor. 2,698,640, Cl. 150—40.
- Dehlsen, David C.: *See*—  
 Young, Arthur J., and Dehlsen. 2,724,069.
- Dehmel, Richard C. 2,701,922, Cl. 35—12.
- Dehmel, Richard C. 2,714,047, Cl. 346—8.
- Dehn, Joseph W., to Bell Telephone Laboratories, Inc. 2,709,771, Cl. 315—166.
- Dehnel, William C. 2,722,352, Cl. 224—42.42.
- Deibel, Raymond: *See*—  
 Horton, Erwin C., and Deibel. 2,722,200.
- Deibel, Raymond, to Trico Products Corp. 2,708,130, Cl. 287—53.
- Deibel, Raymond, to Trico Products Corp. 2,723,413, Cl. 15—245.
- Deibert, Clarence B.: *See*—  
 Turner, Frank T., Pollard, and Deibert. 2,715,202.
- Deibert, Clarence R., F. T. Turner, and R. H. Snider, to The Western Union Telegraph Co. 2,700,701, Cl. 178—6.6.
- Deichert, Hans C., to Lifetime Products Corp. 2,726,051, Cl. 242—78.
- Deily, Fredric H., to Esso Research and Engineering Co. 2,724,575, Cl. 255—72.
- Deinet, Joseph, to E. I. du Pont de Nemours and Co. 2,719,838, Cl. 260—157.
- Deinet, Joseph, to E. I. du Pont de Nemours and Co. 2,719,839, Cl. 260—157.
- Deinet, Joseph, to E. I. du Pont de Nemours and Co. 2,719,840, Cl. 260—157.
- Deinet, Joseph, to E. I. du Pont de Nemours and Co. 2,719,841, Cl. 260—207.1.
- Deinet, Joseph, to E. I. du Pont de Nemours and Co. 2,719,842, Cl. 260—207.1.
- Deiss, Emil W.: *See*—  
 Thompson, Ben V., and Deiss. 2,707,271.
- Deitrickson, Roy H., to The National Supply Co. 2,718,880, Cl. 121—122.
- Deitrickson, Roy H., to The National Supply Co. 2,726,512, Cl. 60—51.
- De Jahn, Fredrik W., ½ to A. N. Mann. 2,724,639, Cl. 23—186.
- De Jong, Geert J., to Stamicarbon N. V. 2,713,038, Cl. 260—2.1.
- De Jonge, Heinrich. 2,721,568, Cl. 134—164.
- De Juhasz, Kalman J., to the United States of America as represented by the Secretary of the Army. 2,700,540, Cl. 267—1.
- De Juren, James A., to the United States of America as represented by the United States Atomic Energy Commission. 2,715,695, Cl. 313—63.
- Dekanski, Leon M. 2,702,633, Cl. 209—287.
- Deker, Marta: *See*—  
 Plantinga, Oliver S., and Deker. 2,705,009.
- Deker, Marta, and O. S. Plantinga, to Johnson & Johnson. 2,712,312, Cl. 128—156.
- Dekker, Jan A.: *See*—  
 Schippers, Maarten E., Wzn, and Dekker. 2,705,845.
- De Koning, Edwin W. 2,711,197, Cl. 143—41.
- De la Cova, Paul V., and J. J. Walls, to Bendix Aviation Corp. 2,703,866, Cl. 333—7.
- Delafontaine, Charles, to Bank of America Trust and Savings Assn. 2,709,874, Cl. 51—80.
- Delahousse, Léon: *See*—  
 Platel, Charles, Delahousse, and Laffitte. 2,725,299.
- Delamere Co., Inc.: *See*—  
 Goodman, Abraham. 2,699,789.
- De Lancey, Charles E. 2,711,177, Cl. 131—194.
- Delaney, Edmund T. 2,710,151, Cl. 242—55.5.
- Delaney, Everett W., Jr., to Chance Vought Aircraft, Inc. 2,702,676, Cl. 244—42.
- Delaney, George: *See*—  
 Miller, Kenneth F., and Delaney. 2,712,176.
- De Langis, Philip A. 2,706,273, Cl. 324—72.
- De Lano, Artus D. 2,718,231, Cl. 132—45.
- Delaplaine, John W., to Houdry Process Corp. 2,711,350, Cl. 302—53.
- Delaplaine, John W., to Houdry Process Corp. 2,711,386, Cl. 196—52.
- Delaplaine, John W., to Houdry Process Corp. 2,726,121, Cl. 302—53.
- Delarue, Roger A., to Compagnie Generale de Construction de Fours. 2,709,677, Cl. 202—141.
- De Lashmutt, David D. 2,725,465, Cl. 240—85.
- De la Source, Charles, to Societe les Fils de Peugeot Freres. 2,724,081, Cl. 318—308.
- De Lathauwer, Rene J. 2,711,563, Cl. 19—139.
- Delattre, Robert: *See*—  
 Thiollot, Robert, Delattre, and Verdier. 2,710,885.
- De Laval Separator Co., The: *See*—  
 Scott, Walter A. 2,725,188.
- Strezynski, George J. 2,705,202.
- Strezynski, George J. 2,719,003.
- Strezynski, George J. 2,725,186.
- Sullivan, Frank E. 2,702,813.
- De Laval Steam Turbine Co.: *See*—  
 Birmann, Rudolph. 2,709,893.
- Delavan Mfg. Co.: *See*—  
 Olson, Eugene O., and Rothwell. 2,703,260.
- Delaware Engineering Corp.: *See*—  
 Moore, James W. 2,728,018.
- Del Camp, Scipione M., to Cinch Mfg. Corp. 2,704,836, Cl. 339—192.
- Del Carlo, Angiolino, to S. A. M. I. C. E. N. Societa Azionaria Mantovana Imprese Costruzioni e Navigazione. 2,709,775, Cl. 318—226.
- De Leyer, Guy. 2,714,891, Cl. 132—9.
- Del Francia, Joel A. 2,720,827, Cl. 99—444.
- Delfs, Detlef: *See*—  
 Nordt, Herbert, and Delfs. 2,704,766.



- De Liban, Robert, and W. R. Baker, to the United States of America as represented by the United States Atomic Energy Commission. 2,721,700, Cl. 235—92.
- Deliman, George. 2,728,408, Cl. 183—6.
- Delinanos, George D. 2,704,889, Cl. 30—298.
- De Livan, Robert: *See*—  
Burney, James H., Appleton, De Livan, and Farly. 2,714,667.
- Delk, James E., Sr. 2,717,314, Cl. 250—50.
- Del-Krome Corp.: *See*—  
Buerger, Herbert. 2,710,775.  
Buerger, Herbert. 2,710,776.
- Dell'Aira, Frank: *See*—  
Stea, Armand, and Dell'Aira. 2,725,273.
- Delman Co., The: *See*—  
Neufeld, Leonard C. 2,702,918.  
Neufeld, Leonard C. 2,703,258.  
Neufeld, Leonard C. 2,703,259.  
Webb, Edmond F. 2,703,127.
- Del Mar, Bruce E.: *See*—  
Douglas, Donald W., and Del Mar. 2,701,068.
- Del Mar, Bruce E., to Douglas Aircraft Co., Inc. 2,701,514, Cl. 98—15.
- Del Mar, Bruce E., to Douglas Aircraft Co., Inc. 2,702,458, Cl. 62—101.
- Delmar Chemicals Ltd.: *See*—  
Delmar, Geza S., and Macallum. 2,715,141.
- Delmar, Geza S., and E. N. Macallum, to Delmar Chemicals Ltd. 2,715,141, Cl. 260—501.
- De Loach, Douglas D. 2,710,228, Cl. 299—107.5.
- De Long, Everett M., by decree of distribution to M. E. De Long. 2,703,904, Cl. 15—372.
- De Long, Herbert K., to The Dow Chemical Co. 2,728,720, Cl. 204—32.
- De Long, Mary E.: *See*—  
De Long, Everett M. 2,703,904.
- De Long, William T., and G. A. Ostrom, to The McKay Co. 2,711,959, Cl. 75—128.
- Deloraine, Edmond M.: *See*—  
Lair, Julien J. B., and Deloraine. 2,723,309.
- Delphi Products Co., Inc.: *See*—  
Haggard, John M., and McMurray. 2,703,554.
- Delruelle, Andre, to Industrial and Financial Association, Inc. 2,699,985, Cl. 23—165.
- Del Savio, John B.: *See*—  
Del Savio, Lawrence J. and J. B. 2,712,846.
- Del Savio, Lawrence J. and J. B., to A. J. Siris Products Corp. 2,712,846, Cl. 154—18.
- Delsener, Silvio A. 2,718,653, Cl. 15—231.
- Delta Heating Corp.: *See*—  
Hauck, Roy C., and Nathan. 2,725,051.
- Deltos Rug Co.: *See*—  
Steiger, Carl E., and Dorschner. 2,705,862.
- Deltronic Corp.: *See*—  
Black, Robert H. 2,715,281.  
Urey, George M., Porch, Jarrett, and Crawford. 2,714,141.
- De Luca, Arthur S. 2,727,672, Cl. 228—56.
- Delucchi, Joseph: *See*—  
Gray, Ornburn, and Durnford. 2,699,946.
- De Luxe Game Corp.: *See*—  
Levy, Joseph. 2,699,201.
- Delva Plastics, Inc.: *See*—  
Liguori, Alfred T. 2,715,888.
- Del Valle, Guillermo A., to Radio Corp. of America. 2,705,640, Cl. 274—4.
- Del Vecchio, Angelo. 2,715,285, Cl. 36—44.
- Demag Aktiengesellschaft: *See*—  
Ewalds, Robert. 2,721,643.
- Demag-Zug G. m. b. H.: *See*—  
Meyer, Otto. 2,727,163.
- De Mar, Michael. 2,702,555, Cl. 132—91.
- De Mar, Michael. 2,702,556, Cl. 132—91.
- Demarest, Daniel D., R. M. Perkins, W. Karius, and C. Berendt, to Linker Machines, Inc. 2,701,385, Cl. 17—1.
- De Mart, Le Roy S., to Diamond Power Specialty Corp. 2,722,032, Cl. 15—317.
- De Martin, Joseph. 2,714,233, Cl. 20—57.5.
- De Masi, Rocco: *See*—  
Meilander, Willard C., and De Masi. 2,718,292.
- De Matthaeis, Serafino, Jr. Re. 23,949, Cl. 238—10.
- Demby, Chester A., and A. A. Seldner, Jr.; said Seldner, Jr., assor. to said Demby. 2,703,714, Cl. 274—4.
- Demchock, Louis A., Sr.: *See*—  
Grube, Frederick J., and Demchock. 2,719,546.
- De Mello, Gloria J. 2,703,667, Cl. 223—107.
- Demer, Frederick M., and R. G. Mork, to International Business Machines Corp. 2,714,841, Cl. 95—4.5.
- De Mestral, George, to Velcro S. A. 2,717,437, Cl. 28—72.
- Demetry, Thomas A.: *See*—  
Shoup, Carl A. 2,717,190.
- Deming, Philip H., and M. L. Sagenkahn, to Shell Development Co. 2,722,113, Cl. 62—175.5.
- Demo, Max J., to Troy Investments, Inc. 2,701,711, Cl. 262—7.
- Demon, Gerardus A., L. C. van der Ven, and J. Andriessen, to N. V. Onderzoekingsinstituut Research. 2,709,045, Cl. 241—3.
- De Mond, William. 2,720,097, Cl. 66—182.
- De Montmollin, James M.: *See*—  
Curtis, Thomas E., and de Montmollin. 2,721,242.
- De Montmollin, James M., to Southern States Equipment Corp. 2,728,056, Cl. 339—19.
- Demorest, Frank L.: *See*—  
Johnson, Fred H., and Demorest. 2,720,273.
- Demorest, Leroy A., to Cultiguard Shovel Co. 2,716,934, Cl. 97—204.
- Demorest, Leroy A., to Cultiguard Shovel Co. 2,716,935, Cl. 97—204.
- Demory, Harry. 2,706,304, Cl. 15—93.
- De Moulin Bros. & Co.: *See*—  
Davis, Roscoe T. 2,721,410.
- Dempsey, J. P. 2,724,153, Cl. 20—11.
- Dempsey, Oscar E., to C. L. English. 2,710,740, Cl. 255—4.4.
- Dempsey, Walter E. 2,707,554, Cl. 209—12.
- Dempster Brothers, Inc.: *See*—  
Dempster, George R., and Jones. 2,702,645.  
Dempster, George R., and Jones. 2,725,584.  
Jones, Harry W. 2,702,142.
- Dempster, Charles W. 2,712,739, Cl. 64—7.
- Dempster, George R. 2,702,721, Cl. 294—73.
- Dempster, George R. 2,722,325, Cl. 214—142.
- Dempster, George R., and H. W. Jones, to Dempster Brothers, Inc. 2,702,645, Cl. 214—317.
- Dempster, George R., and H. W. Jones, to Dempster Brothers, Inc. 2,725,584, Cl. 15—84.
- Dempster, Gretchen. 2,722,692, Cl. 5—327.
- Demurjian, Ashod C. 2,726,280, Cl. 174—166.
- De Muth, Russell T., to Curtiss-Wright Corp. 2,727,577, Cl. 170—135.7.
- De Mytt, Louis E., and A. M. Hannigan, to The Gillette Co. 2,708,940, Cl. 132—7.
- Denault, Clinton L.: *See*—  
Ford, James G., and Denault. 2,717,219.
- Den Hertog, Martinus: *See*—  
Pouliart, Willy, de Hertog, and Adelaar. 2,724,018.
- Den Hertog, Martinus, to International Standard Electric Corp. 2,706,748, Cl. 179—18.
- Denning, Robert D. 2,728,077, Cl. 2—8.
- Denis, Marcel: *See*—  
Palluel, Pierre, and Denis. 2,719,954.
- Denis, Marcel, to Compagnie Generale de Telegraphie Sans Fil. 2,705,777, Cl. 333—33.
- Denis, Marcel, to Compagnie Generale de Telegraphie Sans Fil. 2,721,997, Cl. 343—14.
- Denis, Robert B., to Grinnell Corp. 2,714,497, Cl. 248—62.
- Denison Corp.: *See*—  
Blanchard, Donn C. 2,714,432.
- Denison Engineering Co., The: *See*—  
Adams, Cecil E. 2,711,077.  
Adams, Cecil E., and Renick. 2,699,178.  
Bonnette, Leroy E., McCullough, and Born. 2,699,123.  
Mueller, Adalbert C., and Adams. 2,718,683.  
Shaw, Edwin L., and Adams. 2,713,312.  
Wright, Fred J. Re. 24,048.
- Denison, Henry W., and L. E. Johnson, to Denison-Johnson, Inc. 2,719,680, Cl. 242—84.5.
- Denison-Johnson, Inc.: *See*—  
Denison, Henry W., and Johnson. 2,719,680.
- Denison Mattress Factory: *See*—  
Challenner, Ansel P. 2,717,949.
- Denison, Mortimer C., and N. Whitman, to E. I. du Pont de Nemours & Co. 2,711,686, Cl. 100—37.
- Deniston, George L., to The Commonwealth Engineering Co. of Ohio. 2,702,231, Cl. 18—54.
- Deniston, George L., to The Commonwealth Engineering Co. of Ohio. 2,706,690, Cl. 117—7.
- Deniston, George L., to The Commonwealth Engineering Co. of Ohio. 2,725,303, Cl. 106—217.
- Denley Corp.: *See*—  
Dennis, Donald D. 2,724,752.
- Denlow, Peter M., to Pilkington Brothers Ltd. 2,705,390, Cl. 49—48.
- Denman, Elmer. 2,710,718, Cl. 233—4.
- Denman Enterprises, Ltd.: *See*—  
Stuart, John C. K. 2,716,843.
- Denman, Wayne L., to Dearborn Chemical Co. 2,727,867, Cl. 252—321.
- Denner, Clifford W. 2,712,173, Cl. 29—160.6.
- Dennett, Firth L., to Dow Corning Corp. 2,728,692, Cl. 117—141.
- Dennewitz, Fred E. 2,715,865, Cl. 97—56.
- Denney, Ray L.: *See*—  
Covert, Don N., and Denney. 2,727,764.
- Dennick, Kenneth R. 2,721,449, Cl. 62—6.
- Dennis, Donald D., to Denley Corp. 2,724,752, Cl. 200—117.
- Dennis, Emery W., and A. R. Surrey, to Sterling Drug Inc. 2,714,106, Cl. 260—271.
- Dennis, John R., and R. J. Shafraneck, to Jack & Heintz, Inc. 2,710,360, Cl. 310—239.
- Dennison, Brook J., and W. G. Smith, to Pittsburgh Plate Glass Co. 2,700,007, Cl. 154—2.7.
- Dennison, Edward S. 2,707,869, Cl. 62—4.
- Dennison Mfg. Co.: *See*—  
Bone, Arnold R. 2,701,722.  
Flood, Carl A. 2,701,486.
- Dennison, Saul: *See*—  
Goldstein, Joseph, and Dennison. 2,712,592.
- Dennler, William H., to General Electric Co. 2,725,588, Cl. 15—323.
- Denny, Frank E., to Boyce Thompson Institute for Plant Research, Inc. 2,706,678, Cl. 71—2.7.
- Denny, Frank E., to Boyce Thompson Institute for Plant Research, Inc. 2,708,624, Cl. 71—2.6.
- Denny, Frank E., to Boyce Thompson Institute for Plant Research, Inc. 2,720,452, Cl. 71—2.7.



- Denny, Frank E., to Boyce Thompson Institute for Plant Research, Inc. 2,723,909, Cl. 71—2,6.
- Denovan, John J. and R. A. 2,700,512, Cl. 241—154.
- Denny, Joseph G., Jr.: *See*—
- Ichelson, Rose R. 2,709,670.
- De Nora, Vittorio, to Oronzio De Nora Impianti Elettrochimici. 2,700,650, Cl. 204—219.
- Denovan, John J. and R. A. 2,700,511, Cl. 241—154.
- Denovan, Robert A.: *See*—
- Denovan, John J. and R. A. 2,700,511.
- Denovan, John J. and R. A. 2,700,512.
- Denovan, Robert A. 2,705,561, Cl. 209—332.
- De Noyer, Donald B., to Valley Iron Works Co. 2,700,921, Cl. 92—44.
- De Noyers, Emil J., to General Electric Co. 2,728,820, Cl. 200—16.
- Densmore, Richard M. 2,719,766, Cl. 309—2.
- Dentists' Supply Co. of New York, The: *See*—
- Watson, John E. 2,703,435.
- Watson, John E. 2,705,836.
- Dentler, Arnold E., to W. H. Miner, Inc. 2,720,320, Cl. 213—45.
- Dentler, Arnold E., to W. H. Miner, Inc. 2,723,114, Cl. 267—1.
- Denton, Frank M. 2,720,232, Cl. 146—2.
- Denton, Harvey R. 2,702,972, Cl. 53—98.
- Denton, John J., to American Cyanamid Co. 2,716,121, Cl. 260—294.7.
- Denton, John J., to American Cyanamid Co. 2,723,269, Cl. 260—294.7.
- Denton, John J., to American Cyanamid Co. 2,725,399, Cl. 260—570.6.
- Denzer, Romeo S. 2,722,110, Cl. 62—107.
- De Pagter, Pierre C. 2,716,580, Cl. 308—201.
- Depallens, Jules. 2,703,156, Cl. 188—129.
- Deparday, Alphonse F. A. 2,701,081, Cl. 223—83.
- De Pasquale, Anthony: *See*—
- Fitzpatrick, Joseph P., and De Pasquale. 2,710,382.
- Dephoure, Joseph. 2,710,257, Cl. 95—88.
- Depmer, Wilhelm: *See*—
- Hanke, Karl, and Depmer. 2,722,474.
- Depmer, Wilhelm, K. Hepp, and P. Koenig, to Metallgesellschaft Aktiengesellschaft. 2,707,712, Cl. 260—412.4.
- De Porter, Charles W. 2,722,895, Cl. 103—204.
- De Poutiloff, Jean, to Societe "Le Materiel Electrique S. W." 2,702,519, Cl. 116—117.
- Depp, Marlin C., and S. Kellogg, II, to The Sperry Corp. 2,700,745, Cl. 318—24.
- Deprez, Charles, to Solvay & Cie. 2,704,743, Cl. 204—219.
- Depta, Joseph, Jr. 2,701,361, Cl. 2—20.
- Derby, George T. 2,725,579, Cl. 5—98.
- Derby Sealers, Inc.: *See*—
- Erhardt, Oscar P. 2,719,713.
- Krueger, Alfred P. 2,710,063.
- Krueger, Alfred P. 2,721,075.
- Krueger, Alfred P. 2,725,938.
- Shee, William S. 2,726,084.
- Derbyshire, Charles F., to Rohr Aircraft Corp. 2,719,443, Cl. 78—25.
- De Reitzes-Marienwert, Maria: *See*—
- Alvarez, Octavio J. 2,718,223.
- Deremer, Floyd E., to Oldberg Mfg. Co. 2,717,048, Cl. 181—61.
- Derge, Gerhard, and K. M. Goldman, to Carnegie Institute of Technology. 2,706,152, Cl. 75—58.
- Derham, Philip A.: *See*—
- Whitaker, Seldon V., and Derham. 2,720,880.
- Dering, Helen A. 2,725,564, Cl. 2—66.
- Deringer, Simon: *See*—
- Cottrell, Vincent E., and Deringer. 2,713,443.
- Cottrell, Vincent E., and Deringer. 2,724,530.
- Deringer, Wayne A., to A. O. Smith Corp. 2,722,171, Cl. 99—235.
- Deritend Engineering Co. Ltd., The: *See*—
- Bishop, Thomas D. 2,701,613.
- Bishop, Thomas D. 2,710,061.
- Derman, Harry, deceased; H., Sam, and Sidney Derman, executors. 2,714,741, Cl. 16—159.
- Derman, Henrietta: *See*—
- Derman, Harry. 2,714,741.
- Derman, Sam: *See*—
- Derman, Harry. 2,714,741.
- Derman, Sidney: *See*—
- Derman, Harry. 2,714,741.
- Dermid, Winfield A. 2,713,239, Cl. 56—50.
- Dermond, Lawrence C.: *See*—
- Jorgensen, Clarence H., and Dermond. 2,704,318.
- De Rosa, John A., and C. A. Snell, to the United States of America as represented by the Secretary of the Army. 2,700,628, Cl. 148—23.
- De Rosa, Louis A., to International Telephone and Telegraph Corp. 2,703,401, Cl. 343—13.
- De Rosa, Louis A., M. J. Di Toro, and L. G. Fischer, to International Telephone and Telegraph Corp. 2,718,638, Cl. 343—113.
- De Rosset, Armand J., to Universal Oil Products Co. 2,719,113, Cl. 196—52.
- Derr, Albert J. 2,715,851, Cl. 88—14.
- Derr, Elmer B., to International Harvester Co. 2,723,540, Cl. 62—140.
- Derr, Willard A., and E. J. Cham, to Westinghouse Electric Corp. 2,728,043, Cl. 321—12.
- Derrah, Norman S.: *See*—
- Bradley, Robert W., and Derrah. 2,719,901.
- Derrig, Donald J., 50% to R. Sindoni. 2,714,511, Cl. 273—153.
- Der Yuen, Frank, and E. M. Ellingson. 2,703,724, Cl. 287—127.
- De Salardi, Albert B., to F. J. Connors. 2,724,403, Cl. 137—419.
- De Santis, Fausto G., to Whitin Machine Works. 2,707,807, Cl. 19—135.
- De Santis, Vincent J., and F. L. Hunter, to International Telephone and Telegraph Corp. 2,711,980, Cl. 148—13.1.
- De Santis, Vincent J., and R. E. Manfredi, to General Electric Co. 2,723,363, Cl. 313—337.
- De Saules, Arthur W. 2,717,921, Cl. 178—17.
- Descaling Equipment Co., Inc.: *See*—
- Jagues, Elmo B. 2,701,407.
- Desch, Joseph R., to The National Cash Register Co. 2,717,334, Cl. 315—166.
- Deschamps, Desire J. 2,708,884, Cl. 103—135.
- Desfosses, Philippe R. 2,722,147, Cl. 81—19.
- Deshaw, Zoltan. 2,721,366, Cl. 24—205.15.
- Deshaw, Zoltan. 2,721,367, Cl. 24—205.15.
- De Shazer, James C., Jr., to Columbia Basin Plastics Co. 2,708,858, Cl. 88—79.
- De Sherbinin, William N. 2,701,839, Cl. 240—52.6.
- De Sherbinin, William N. 2,723,764, Cl. 211—89.
- De Sherbinin, William N. 2,724,048, Cl. 240—52.6.
- De Sherbinin, William N. 2,728,850, Cl. 240—98.
- Deshler, Walter B., to Ingersoll-Rand Co. 2,725,918, Cl. 153—82.
- Desi, Paul F. 2,716,973, Cl. 124—1.
- Design-Rite Co.: *See*—
- Halverson, Milton A. 2,720,413.
- Desikachar, Nadipuram: *See*—
- Subba Rao, Tatapudy V., and Desikachar. 2,702,754.
- Desjarlais, Arthur: *See*—
- Desjarlais, Frederick E. and A. 2,716,245.
- Desjarlais, Frederick E. and A. 2,716,245, Cl. 9—19.
- Deskey, Donald, to The Procter & Gamble Co. 2,718,983, Cl. 222—92.
- De Schmidt, Woodrow A., to Allen-Bradley Co. 2,702,845, Cl. 200—172.
- Desnos, Pierre, to Societe Anonyme Francaise Eternit. 2,719,348, Cl. 25—154.
- De Sollano, Carlos S. F. D., and J. M. Berriozabal, to Process Millers, Inc. 2,704,257, Cl. 99—93.
- D'Esposito, Julian, to Container Corp. of America. 2,711,282, Cl. 229—45.
- Despres, Stanislas J. C. 2,715,923, Cl. 144—48.
- Despres, Urban H., to Keyes Fibre Co. 2,704,600, Cl. 206—65.
- Des Voignes, Lee. 2,701,419, Cl. 33—174.
- Detch, Lewis. 2,720,567, Cl. 200—135.
- Deterding, Henry C. 2,701,194, Cl. 75—24.
- Deters, Bruce A., and M. O. Johnston, to Johnston Testers, Inc. 2,703,696, Cl. 251—54.
- Deters, John F.: *See*—
- Seelig, Herman S., Johnson, and Deters. 2,726,989.
- Detrex Corp.: *See*—
- Kearney, Thomas J. 2,700,645.
- Kearney, Thomas J. 2,714,574.
- Kearney, Thomas J. 2,721,564.
- Kearney, Thomas J., and McPhee. 2,698,627.
- Detrick, M. H., Co.: *See*—
- Rose, Ralph. 2,713,787.
- Detroit Controls Corp.: *See*—
- Carter, Franklyn Y. 2,702,671.
- Carter, Franklyn Y. 2,719,674.
- Dillman, Earnest J. 2,701,688.
- Dillman, Earnest J. 2,727,106.
- Ruffer, Walter F. 2,724,400.
- Von Wangenheim, Adolf. 2,714,488.
- Von Wangenheim, Adolf. 2,714,759.
- Detroit Duo-Grip Brake Corp.: *See*—
- House, Bryan E., and Super. 2,720,287.
- Murphy, John H. 2,700,437.
- Murphy, John H. 2,701,627.
- Murphy, John H. 2,710,675.
- Detroit Gasket & Mfg. Co.: *See*—
- Balfe, George T. 2,711,334.
- Balfe, George T. 2,720,406.
- Detroit Harvester Co.: *See*—
- Goss, William A. 2,699,025.
- Goss, William A. 2,700,263.
- Goss, William A. 2,700,861.
- Goss, William A. 2,709,881.
- Goss, William A. 2,726,059.
- McLeod, Stewart B. 2,725,074.
- Preble, Norman H., and Goss. 2,703,954.
- Votypka, John W., and Hale. 2,709,621.
- Detroit Macoid Corp.: *See*—
- Davis, George H. 2,725,733.
- Detroit Power Screwdriver Co.: *See*—
- Bailey, Roy W., and Faull. 2,707,039.
- Bailey, Roy W., and Faull. 2,709,370.
- Bailey, Roy W., Faull, and Gill. 2,699,868.
- Detroit Stoker Co.: *See*—
- Kessler, Wilbur. 2,725,021.
- Detrow, Edgar L., to Vulcan Machine Co. 2,700,854, Cl. 51—234.
- Dettelbach, Gustav S. 2,708,535, Cl. 222—498.
- Dettmering, Norman F., and C. W. Miller, to D. J. Murray Mfg. Co. 2,712,903, Cl. 241—92.
- Dettmers, Arthur J., Sr. 2,711,053, Cl. 47—19.
- Detzer, Stephen, to North American Aviation, Inc. 2,720,369, Cl. 244—102.



- Deubler, Louis H., R. L. Linn, and M. Thomas, to Deublin Co. 2,723,136, Cl. 285—97.3.  
 Deublin Co.: *See*—  
 Deubler, Louis H., Linn, and Thomas. 2,723,136.  
 Deuel, Willard B. 2,711,028, Cl. 33—167.  
 Deuser, Worrell H., to the United States of America as represented by the United States Atomic Energy Commission. 2,720,622, Cl. 321—19.  
 D'Eustachio, Dominic, to Pittsburgh Corning Corp. 2,703,627, Cl. 181—33.  
 D'Eustachio, Dominic, to Pittsburgh Corning Corp. 2,724,260, Cl. 72—35.  
 Deutsch Co., The: *See*—  
 Spitzer, Albert A. K. 2,704,119.  
 Deutsche Edelstahlwerke Aktiengesellschaft: *See*—  
 Ballhausen, Carl. 2,726,153.  
*See*—  
 Deutsche Gold- und Silber-Scheideanstalt vormals Roessler: *See*—  
 Bretschneider, Otto. 2,710,245.  
 Bretschneider, Otto. 2,716,590.  
 Fischer, Johannes. 2,712,525.  
 Holzmann, Hermann. 2,703,433.  
 Huemer, Hans. 2,723,185.  
 Hüter, Ludwig, and Veith. 2,717,911.  
 Kloepper, Harry. 2,727,935.  
 Reichert, Marianne. 2,712,524.  
 Schatz, Johannes. 2,716,605.  
 Schatz, Johannes. 2,719,085.  
 Schulenburg, Wilhelm. 2,713,008.  
 Schweiger, Karl, Leuser, and Meyer. 2,699,148.  
 Deutschmann, Tobe, Corp.: *See*—  
 Gavin, John A. 2,707,267.  
 Deutschmeister, Abraham: *See*—  
 Deutschmeister, Herman, and A. 2,710,716.  
 Deutschmeister, H. and A. 2,710,716, Cl. 229—73.  
 Deutser, Alton J.: *See*—  
 McKinley, John K., Hefty, and Deutser. 2,727,005.  
 Devaud, Charles: *See*—  
 Guardiola Aragones, Jaime J., Francisco, Devaud, and Reinwald. 2,712,521.  
 Development Research, Inc.: *See*—  
 Pyeson, Harry. 2,723,200.  
 Soffer, Jack W. 2,704,621.  
 Soffer, Jack W. 2,704,622.  
 Soffer, Jack W., and Tedaldi. 2,703,665.  
 Devere Co.: *See*—  
 Christopherson, Ray. 2,701,434.  
 Harnett, A. De Vere. 2,699,533.  
 De Verter, Walton G. 2,708,710, Cl. 219—44.  
 De Verteuil, Louis R., to Apex (Trinidad) Oilfields, Ltd. 2,704,552, Cl. 137—498.  
 De Verteuil, Louis R., to Apex (Trinidad) Oilfields, Ltd. 2,704,553, Cl. 137—498.  
 De Vilbiss Co., The: *See*—  
 Carman, Glenn B. 2,699,018.  
 Mitchell, Robert B. 2,708,095.  
 Peeps, Donald J. 2,707,000.  
 Peeps, Donald J. 2,708,898.  
 De Villers, Edmund J., to White Castle System, Inc. 2,699,274, Cl. 223—7.  
 De Villers, Edmund J., to White Castle System, Inc. 2,725,163, Cl. 223—7.  
 De Vita, Victor A. 2,706,356, Cl. 42—76.  
 De Vlieg, Charles B. 2,728,242, Cl. 74—364.  
 De Vlieg, Charles B. 2,728,248, Cl. 77—3.  
 Devoe & Raynolds Co., Inc.: *See*—  
 Crecellius, Samuel B. Re. 24,047.  
 Greenlee, Sylvan O. 2,712,001.  
 Greenlee, Sylvan O. 2,713,569.  
 Greenlee, Sylvan O. 2,717,885.  
 Zech, John D. 2,712,000.  
 Devonshire, William H., to Columbus McKinnon Chain Corp. 2,701,600, Cl. 152—245.  
 De Voogt, Anthonet H., to Staatsbedrijf der Posterijen. Telegrafie en Telefonie. 2,719,913, Cl. 250—8.  
 De Vore, Guy C., to Pittsburgh Plate Glass Co. 2,707,849, Cl. 49—52.  
 Devost, Camille, and A. Sirois. 2,725,256, Cl. 299—41.  
 Dévot, André J., to Tobe Deutschmann Corp. 2,700,136, Cl. 333—73.  
 De Vries, Abraham and L. 2,702,920, Cl. 16—197.  
 De Vries, Louis: *See*—  
 De Vries, Abraham and L. 2,702,920.  
 De Vries, Peter H. 2,709,595, Cl. 273—183.  
 De Vries, Siebren. 2,724,477, Cl. 193—32.  
 De Vry Corp.: *See*—  
 Krtous, George F. 2,712,899.  
 Lessman, Gerhard. 2,705,437.  
 Powers, John S., and Lang. 2,713,642.  
 Dew, Jess E.: *See*—  
 Butler, John R., Dew, and Zink. 2,724,641.  
 Dew, Robert N.: *See*—  
 Murrell, John T., Gladden, and Dew. 2,709,808.  
 Dewaele, Charles. 2,711,192, Cl. 139—40.  
 De Wald, Lamont F.: *See*—  
 Kennedy, Merritt T., Jr., and De Wald. 2,714,080.  
 De Walt Inc.: *See*—  
 Mowery, Jesse R., Jr. 2,700,115.  
 Snyder, Charles W. 2,722,952.  
 Dewar, Douglas: *See*—  
 Trevaskis, Henry W., Ravenhall, and Dewar. 2,712,272.  
 Dewar, Douglas, and F. R. Mortimer, to Dunlop Rubber Co. Ltd. 2,723,090, Cl. 244—111.  
 De Washa, Isaiah. 2,710,548, Cl. 76—72.  
 Dewees, Norman B.: *See*—  
 Kodet, Gustav, Dewees, Melvin, and Burns. 2,715,367.  
 Dewey Bros., Inc.: *See*—  
 Jenkins, Walter H. 2,707,743.  
 Dewey, Philip W., to Standard Oil Co. 2,702,897, Cl. 340—203.  
 Dewhurst, Maurice R., to The Monotype Corp. Ltd. 2,725,800, Cl. 95—4.5.  
 Dewhurst, Maurice R., to The Monotype Corp. Ltd. 2,725,801, Cl. 95—4.5.  
 Dewhurst, Melbourne, to Dewhurst and Partner Ltd. 2,702,101, Cl. 188—171.  
 Dewhurst and Partner Ltd.: *See*—  
 Dewhurst, Melbourne. 2,702,101.  
 Dewhurst, Peter K., to Murray & Tregurtha Inc. 2,700,359, Cl. 115—35.  
 De Witte, Marinus C. 2,717,210, Cl. 99—11.  
 Dewitz, Gerhard H., to C. G. S. Laboratories, Inc. 2,727,211, Cl. 332—51.  
 De Wolf, Donald A. and V. A. 2,712,821, Cl. 128—98.  
 De Wolf, Viola A.: *See*—  
 De Wolf, Donald A. and V. A. 2,712,821.  
 Dewrance & Co. Ltd.: *See*—  
 Gibson, John H., and Hunter. 2,723,512.  
 De Wyk, Ludolf H., Jr., to The B. F. Goodrich Co. 2,705,211, Cl. 154—110.  
 Dexter Folder Co.: *See*—  
 Baker, Leonard, and Rounsefell. 2,717,710.  
 Dexter, John C., B. W. Henrikson, and D. N. Humphries, to American Seating Co. 2,706,517, Cl. 155—188.  
 Dexter, John F., to Dow Corning Corp. 2,718,052, Cl. 29—548.  
 Dexter, Robert G., J. M. Moran, D. C. Ruggere, and R. Rulon-Miller, to Dixon Lubricating Saddle Co. 2,725,600, Cl. 19—137.  
 Dexter, Wilbur H., to Super-Cut, Inc. 2,725,689, Cl. 51—101.  
 De Young, Charles E., and R. W. Coggins, to National Tank Co. 2,711,826, Cl. 210—52.5.  
 Dezell, James E. 2,719,513, Cl. 123—13.  
 Diacos, Theodore H. 2,720,269, Cl. 169—1.  
 Dia-Log Tubular Survey Co.: *See*—  
 Helm, Edwin H. 2,716,541.  
 Dialrite Associates: *See*—  
 Walborn, Horace L. 2,699,858.  
 Dialyzer Co. of America, Inc.: *See*—  
 Guarino, John R. 2,715,097.  
 Diamantides, Nicholas D., to The Leece-Neville Co. 2,702,363, Cl. 322—25.  
 Diamond Alkali Co.: *See*—  
 Baker, Jose C. 2,727,788.  
 Butler, Wilburn J., Sullender, and Brumbaugh. 2,723,108.  
 Danison, Robert C. 2,722,557.  
 Lee, Edison G. 2,721,840.  
 Sutter, Robert C. 2,700,431.  
 Diamond Crystal Salt Co.: *See*—  
 Woodruff, George M. 2,705,092.  
 Diamond, Harry. 2,704,194, Cl. 248—120.  
 Diamond, Horace W., to Morton Salt Co. Re. 24,090, Cl. 167—82.  
 Diamond Hosiery Corp.: *See*—  
 Schumann, William. 2,715,762.  
 Diamond, Hyman: *See*—  
 Harman, Denham, Morris, Watson, and Diamond. 2,725,359.  
 Diamond Match Co., The: *See*—  
 Forney, Charles. 2,702,058.  
 Lyons, Herbert R. 2,699,098.  
 Lyons, Herbert R. 2,699,142.  
 Wells, Roger. 2,725,992.  
 Diamond, Milton J., to General Motors Corp. 2,719,224, Cl. 250—27.  
 Diamond, Pauline V. 2,706,476, Cl. 128—132.  
 Diamond Power Specialty Corp.: *See*—  
 De Mart, Lee Roy S. 2,722,032.  
 Glinn, Roy J., and Handoll. 2,722,033.  
 Diamond, Richard: *See*—  
 Thomas, Clifford A. 2,717,159.  
 Dian, Walter: *See*—  
 Gray, John D., and Dian. 2,720,711.  
 Di Bartolomeo, Nicola. 2,707,531, Cl. 187—90.  
 Dibert, Carl L., to The Dow Chemical Co. 2,700,026, Cl. 260—29.6.  
 Dibrell, James W., to Ebasco Services, Inc. 2,716,047, Cl. 346—33.  
 Di Carlo, Carlton M., to Permacel Tape Corp. 2,727,572, Cl. 164—84.5.  
 Dice, Henry K., to Celanese Corp. of America. 2,716,024, Cl. 261—11.  
 Di Cesare, Eugene P. 2,699,312, Cl. 248—221.  
 Dick, A. B., Co.: *See*—  
 Anderson, Bror E., Caliendo, and Renwick. 2,704,025.  
 Clark, James D., and Anderson. 2,714,749.  
 Clark, James D., and Anderson. 2,720,005.  
 Hoover, Keith S. 2,699,113.  
 Hoover, Keith S. 2,715,363.  
 Hoover, Keith S. 2,721,821.  
 Marron, Thomas U. 2,721,513.  
 Morhardt, Charles H. 2,707,434.  
 Mullen, William G. 2,721,815.  
 Dick, James B. 2,716,354, Cl. 74—477.  
 Dick, Raymond P. 2,711,033, Cl. 36—11.5.  
 Dicke, Allen A. 2,709,511, Cl. 197—177.



- Dicke, Allen A. 2,715,669, Cl. 219—26.  
 Dicke, Allen A. 2,715,670, Cl. 219—26.  
 Dicke, Robert H., to the United States of America as represented by the Secretary of War. 2,704,351, Cl. 333—11.  
 Dickerson, Orville H. 2,702,940, Cl. 30—201.  
 Dickerson, Robert C. 2,726,630, Cl. 118—235.  
 Dickert, Joseph J., Jr., and H. D. Hartough, to Socony Mobil Oil Co., Inc. 2,721,875, Cl. 260—456.  
 Dickey, David F., to Electrolyser Corp. Ltd. 2,717,419, Cl. 18—9.  
 Dickey, Frank H., to Shell Development Co. 2,698,863, Cl. 260—453.  
 Dickey, Fred E., and J. C. Hobbs, to General Electric Co. 2,722,659, Cl. 324—57.  
 Dickey, John W., to Bendix Aviation Corp. 2,702,470, Cl. 73—17.  
 Dickey, John W., to Bendix Aviation Corp. 2,706,795, Cl. 310—18.  
 Dickey, John W., to Bendix Aviation Corp. 2,725,758, Cl. 74—359.  
 Dickey, Joseph B.: *See*—  
   Coover, Harry W., Jr., and Dickey. 2,704,751.  
   Coover, Harry W., Jr., and Dickey. 2,706,727.  
   Coover, Harry W., Jr., and Dickey. 2,706,728.  
   Coover, Harry W., Jr., and Dickey. 2,725,371.  
   Coover, Harry W., Jr., and Dickey. 2,728,749.  
   Taylor, George J., and Dickey. 2,714,598.  
   Towne, Edmund B., and Dickey. 2,708,671.  
 Dickey, Joseph B., H. W. Coover, and T. E. Stanin, to Eastman Kodak Co. 2,698,842, Cl. 260—85.5.  
 Dickey, Joseph B., and E. B. Towne, to Eastman Kodak Co. 2,700,686, Cl. 260—633.  
 Dickey, Joseph B., and H. W. Coover, Jr., to Eastman Kodak Co. 2,721,876, Cl. 260—461.  
 Dickey, Joseph B., and G. J. Taylor, to Eastman Kodak Co. 2,723,264, Cl. 260—207.  
 Dickey, Joseph B., and E. B. Towne, to Eastman Kodak Co. 2,724,716, Cl. 260—380.  
 Dickey, Joseph B., and J. M. Straley, to Eastman Kodak Co. 2,726,251, Cl. 260—380.  
 Dickey, Norman, and M. W. Sawyer; said Dickey assor. to H. W. Wilson, Jr. 2,700,496, Cl. 226—49.  
 Dickey, Paul S., to Bailey Meter Co. 2,702,591, Cl. 158—36.3.  
 Dickey, Paul S., to Bailey Meter Co. 2,728,833, Cl. 201—63.  
 Dickey, Ralph L., to Kelley Island Co. 2,702,753, Cl. 106—88.  
 Dickey, Robert M.: *See*—  
   Boyd, Thomas, and Dickey. 2,710,267.  
 Dickhart, Dewey B.: *See*—  
   Fox, Gerald B., and Dickhart. 2,714,038.  
 Dickie, Alan B., to Sydney Smith and Sons (Nottingham) Ltd. 2,720,787, Cl. 73—397.  
 Dickinson, Arthur H., to International Business Machines Corp. 2,700,750, Cl. 324—99.  
 Dickinson, Arthur H., to International Business Machines Corp. 2,702,666, Cl. 235—61.  
 Dickinson, Arthur H., and R. C. Paulsen, to International Business Machines Corp. 2,717,994, Cl. 340—347.  
 Dickinson, Charles H.: *See*—  
   Timson, Ernest A., and Dickinson. 2,716,942.  
 Dickinson, Dwight M. 2,712,639, Cl. 339—225.  
 Dickinson, Fairleigh S., Jr., and A. E. Krug, to Becton Dickinson and Co. 2,699,166, Cl. 128—173.  
 Dickinson, Henry R.: *See*—  
   Lickteig, Albert F., and Dickinson. 2,700,800.  
 Dickinson, Henry R., to Grand Rapids Hardware Co. 2,709,101, Cl. 292—252.  
 Dickinson, Henry R. 2,721,417, Cl. 45—82.  
 Dickinson, Leon D., to Westinghouse Air Brake Co. 2,721,933, Cl. 246—34.  
 Dickinson, Robert: *See*—  
   Jones, William D., and Dickinson. 2,726,118.  
 Dickinson, Theodore M., to General Electric Co. 2,701,304, Cl. 250—27.  
 Diekmann, Norbert G., to Dow Corning Corp. 2,721,857, Cl. 260—46.5.  
 Dickson, Clarence R.: *See*—  
   Heckethorn, John E., and Dickson. 2,720,734.  
 Dickson, John B., to Chrysler Corp. 2,718,586, Cl. 240—7.35.  
 Dickson, John B., to Chrysler Corp. 2,726,836, Cl. 248—214.  
 Dickson, John M., to Celanese Corp. of America. 2,724,170, Cl. 28—32.  
 Dickson, Sidney M. 2,707,813, Cl. 22—57.2.  
 Dickson, William B., to The American Brass Co. 2,718,316, Cl. 214—8.5.  
 Dickson, Woodrow J.: *See*—  
   Monson, Louis T., and Dickson. 2,727,027.  
 Dicmukes, Newton B. 2,699,212, Cl. 166—22.  
 Di Cocco, Vinicio: *See*—  
   Veneziani, Italo, and di Cocco. 2,715,016.  
 Dictaphone Corp.: *See*—  
   Rowe, Richard G. 2,710,400.  
   Rowe, Richard G. 2,712,505.  
 Dictograph Products Co., Inc.: *See*—  
   Lehr, Philip N., and Koci. 2,717,937.  
   Nicholides, Emmanuel C. 2,718,563.  
 Diebold, Edward J., to I-T-E Circuit Breaker Co. 2,714,709, Cl. 336—61.  
 Diebold, Inc.: *See*—  
   Pratt, Verneur E., and Gray. 2,719,714.  
 Die Casting Machine Tools Ltd.: *See*—  
   Mills, Aubrey R. 2,706,067.  
 Diederich, Joseph F. 2,701,702, Cl. 248—302.  
 Diefenderfer, William E., to United Aircraft Corp. 2,702,215, Cl. 308—187.  
 Diehl, G. M., Machine Works, Inc., The: *See*—  
   Gustin, George M. 2,709,463.  
 Diehl, Oscar B. 2,708,953, Cl. 143—32.  
 Diehm, Kenneth F., to Textile Trimming & Boarding Machine Co. 2,714,540, Cl. 311—1.  
 Diem, Wilhelm: *See*—  
   Torke, Erich, Koch, and Diem. 2,698,489.  
 Diemer, Gesinus, to Hartford National Bank and Trust Co., trustee. 2,699,517, Cl. 313—250.  
 Diemer, Gesinus, H. J. Lemmens, and W. J. Bongers, to Hartford National Bank and Trust Co., trustee. 2,699,516, Cl. 313—249.  
 Diemer, Gesinus, and P. van Bree, to Hartford National Bank and Trust Co., as trustee. 2,716,199, Cl. 313—250.  
 Diesbach, F. B.: *See*—  
   Waechter, Harry J. 2,726,864.  
 Diesel Dynamics Corp.: *See*—  
   Lustig, Ludwig. 2,703,565.  
 Diesen, Anton K., and S. B. Forss, to Telefonaktiebolaget L. M. Ericsson. 2,718,558, Cl. 179—27.  
 Dieterich, Joseph O. E. 2,717,158, Cl. 273—141.  
 Dieterich, Richard E., to Van Auken, Inc. 2,722,460, Cl. 301—37.  
 Dietmann, Matthias. 2,712,268, Cl. 88—27.  
 Dietrich, Howard H.: *See*—  
   Jorgensen, Clarence H., Nickel, and Dietrich. 2,710,522.  
   Jorgensen, Clarence H., Nickel, Dietrich, and Boughton. 2,698,654.  
 Dietrich, Melvin A., and H. W. Jacobson, to E. I. du Pont de Nemours & Co. 2,709,694, Cl. 260—69.  
 Dietrich, Melvin A., and A. F. Smith, to E. I. du Pont de Nemours & Co. 2,710,846, Cl. 260—29.6.  
 Dietrich, Paul, to Maschinenfabrik Augsburg-Nurnberg A. G. 2,700,931, Cl. 101—279.  
 Dietrich, Theodor, to Sodeco, Societe des Compteurs de Geneve. 2,701,914, Cl. 32—27.  
 Dietz, Ewald, Jr., and J. J. Jordan. 2,702,329, Cl. 200—121.  
 Dietz, Karl, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius und Bruning. 2,709,661, Cl. 106—100.  
 Dietz, Paul A. 2,723,885, Cl. 304—24.  
 Dietz, William H. 2,701,139, Cl. 273—153.  
 Dietzler, Andrew J., to The Dow Chemical Co. 2,716,139, Cl. 260—623.  
 Diefenderfer, John B., to Radio Corporation of America. 2,719,355, Cl. 29—195.  
 Digate, James S., to The Scholl Mfg. Co., Inc. 2,711,166, Cl. 128—80.  
 Digby, James J., to Bendix Aviation Corp. 2,720,789, Cl. 74—7.  
 Di Gennaro, Anthony J.: *See*—  
   Edson, Murray H., and Di Gennaro. 2,721,830.  
 Diggle, Hammond P.: *See*—  
   Lee, Ferman N., Shaw, and Diggle. 2,698,953.  
 Diggle, Harold, and J. Fowler, to Metropolitan-Vickers Electrical Co. Ltd. 2,720,565, Cl. 200—114.  
 Diggle, Harry, to Hivac Ltd. 2,704,879, Cl. 29—25.14.  
 Di Giorgio, Joseph M. 2,705,657, Cl. 294—27.  
 Di Giovanna, Tigellia C. 2,714,788, Cl. 51—170.  
 Digital Control Systems, Inc.: *See*—  
   Steele, Floyd G. 2,706,811.  
 Di Giulio, Mario. 2,726,559, Cl. 77—62.  
 Dijkstra, Derek J., and I. A. McArthur, to Imperial Chemical Industries Ltd. 2,725,397, Cl. 260—555.  
 Dikeman, Myron J. 2,709,508, Cl. 192—61.  
 Dikkers, G., & Co., N. V.: *See*—  
   Das, Jacob. 2,708,453.  
   Steenbergh, Alexander W. 2,708,849.  
 Dildilian, Ara T., and K. M. Wood, to Bigelow-Sanford Carpet Co., Inc. 2,705,693, Cl. 154—116.  
 Dill, Russell E., and J. T. Irwin. 2,718,927, Cl. 169—4.  
 Dillard, Hiram D.: *See*—  
   Ostuw, Irving, and Dillard. 2,713,904.  
 Dillard, Horace E.: *See*—  
   Lee, Ray G., and Dillard. 2,725,944.  
 Dille & McGuire Mfg. Co.: *See*—  
   Knarzer, Herman C. 2,724,598.  
   Knarzer, Herman C. 2,728,582.  
 Dilley, Morris M., and L. R. Zehnder, to Transport Products Corp. 2,710,342, Cl. 246—130.  
 Dillingham, Desmond Q. 2,725,962, Cl. 192—3.  
 Dillman, Earnest J., to Detroit Controls Corp. 2,701,688, Cl. 236—92.  
 Dillman, Earnest J., to Detroit Controls Corp. 2,727,106, Cl. 200—61.86.  
 Dillman, Oscar D., to Chrysler Corp. 2,723,573, Cl. 74—574.  
 Dillon, Burton C. 2,708,325, Cl. 43—42.28.  
 Dillon, Fred F. 2,722,251, Cl. 145—30.  
 Dillon, Oscar W., and F. H. Tuttle, to American Optical Co. 2,724,218, Cl. 51—55.  
 Dillon, Ralph R., to W. C. Dillon & Co., Inc. 2,719,430, Cl. 73—141.  
 Dillon, Robert J. 2,702,390, Cl. 4—146.  
 Dillon, W. C., & Co., Inc.: *See*—  
   Dillon, Ralph R. 2,719,430.  
 Dills, Raymond L., to General Electric Co. 2,712,731, Cl. 62—3.  
 Dills, Raymond L., to General Electric Co. 2,712,735, Cl. 62—115.  
 Dills, Raymond L., to General Electric Co. 2,721,026, Cl. 230—138.  
 Dills, Raymond L., to General Electric Co. 2,721,028, Cl. 230—232.  
 Dills, Raymond L., to General Electric Co. 2,721,280, Cl. 310—86.



- Dilts, Lee E., to General Electric Co. 2,700,154, Cl. 340—259.
- Dilworth, John P.: *See*—  
Culnane, Charles H., and Dilworth. 2,714,092.  
Culnane, Charles H., and Dilworth. 2,721,844.
- Dilworth, John P., C. H. Culnane, and H. V. Ashburn, deceased (by E. L. Ashburn, administratrix), to The Texas Co. 2,721,845, Cl. 252—42.1.
- Dilworth, Richard M., to General Motors Corp. 2,709,967, Cl. 105—35.
- Dilworth, Thomas B., to General Motors Corp. 2,720,194, Cl. 123—41.44.
- Di Maria, Joseph F. 2,724,881, Cl. 24—72.5.
- Dimmer, Robert P., to Automatic Electric Laboratories, Inc. 2,717,986, Cl. 340—163.
- Dimmer, Robert P., to Automatic Electric Laboratories, Inc. 2,721,988, Cl. 340—164.
- Dimmer, William J., to Whitehead Stamping Co. 2,718,248, Cl. 145—4.
- Dimond, Thomas L., to Bell Telephone Laboratories, Inc. 2,722,603, Cl. 250—27.
- Dimroth, Karl J., K. G. V. Holle, R. E. Hamm, and L. Jaenicke, to Zellstoffabrik Waldhof. 2,698,844, Cl. 260—211.5.
- Dimroth, Karl, K. G. V. Holle, R. Hamm, and L. Jaenicke. 2,719,844, Cl. 260—211.5.
- Dine, Robert E.: *See*—  
Everhart, John O., Krill, and Dine. 2,712,679.
- Dinerstein, Robert A.: *See*—  
Bowman, Norman J., and Dinerstein. 2,702,289.
- Dines, James M.: *See*—  
Chubb, Melvin F., and Dines. 2,715,652.  
Chubb, Melvin F., and Dines. 2,727,079.  
Chubb, Melvin F., and Dines. 2,727,082.
- Dines, James M., to The Eagle-Picher Co. 2,716,671, Cl. 136—90.
- Dingeldein, Otto F., to St. Louis Metalcrafts, Inc. 2,711,089, Cl. 65—53.
- Dinger, Edward H., and W. Mikelson, to General Electric Co. 2,721,262, Cl. 250—27.
- Dingley, Edward N., Jr. 2,721,230, Cl. 178—53.1.
- Dingman, Thomas C., and E. F. Cook, to Ford Motor Co. 2,708,959, Cl. 155—14.
- Dingman, Thomas C., and E. F. Cook, to Ford Motor Co. 2,720,775, Cl. 70—83.
- Dingman, Thomas C., and J. W. Jamieson, to Ford Motor Co. 2,723,146, Cl. 292—280.
- Dings Magnetic Separator Co.: *See*—  
Blind, Karl A. 2,724,504.  
Hupp, Arleigh G. 2,724,474.  
Injeski, Stanley G., Jr. 2,702,123.  
Injeski, Stanley G., Jr. 2,719,630.
- Dinius, James H., to Paper Patents Co. 2,725,796, Cl. 92—40.
- Dinkelkamp, Henry T., to Stewart-Warner Corp. 2,716,014, Cl. 251—64.
- Dinlocker, Robert I., to American Machine and Metals, Inc. 2,706,812, Cl. 340—187.
- Dinn, Louise J. 2,714,782, Cl. 46—19.
- Dinolfo, Charles, to Holiday Casuals, Inc. 2,718,073, Cl. 36—46.5.
- Dinsmore, Albert P.: *See*—  
Treseder, Robert C., Dinsmore, Moore, Geyer, and Berninger. 2,699,304.
- Dinsmore, Albert P., to General Motors Corp. 2,724,445, Cl. 170—160.17.
- Dinsmore, Arthur S., and E. R. Smith, to Seneca Falls Machine Co. 2,714,324, Cl. 82—2.7.
- Dinstman, Hyman. 2,716,328, Cl. 58—90.
- Dion Freres Inc.: *See*—  
Dion, Joseph L. 2,712,385.  
Dion, Lucien. 2,712,453.  
Dion, Narcisse. 2,712,424.
- Dion, Joseph L., to Dion Freres Inc. 2,712,385, Cl. 209—319.
- Dion, Lucien, to Dion Freres Inc. 2,712,453, Cl. 280—150.5.
- Dion, Narcisse, to Dion Freres Inc. 2,712,424, Cl. 248—49.
- Dion, Raymond F., and P. A. Nims, to Crompton & Knowles Loom Works. 2,703,589, Cl. 139—182.
- Dion, Warren E., to The Bristol Co. 2,710,933, Cl. 318—29.
- Dioptron Co.: *See*—  
Brown, William E. 2,715,295.
- Di Petto, Mario,  $\frac{3}{4}$  to K. F. Ross. 2,725,761, Cl. 74—650.
- Di Pierro, Domenic. 2,701,719, Cl. 273—82.
- Direct Image Offset Corp.: *See*—  
Botthof, Charles L., Schultz, and Freedman. 2,719,481.
- Direct Reproduction Corp.: *See*—  
Lupo, John M., Jr. 2,716,060.  
Lupo, John M., Jr. 2,716,061.
- Di Renzo, Simon. 2,723,431, Cl. 24—73.
- Dirksen, Paul F.: *See*—  
Squyer, Albert R., and Dirksen. 2,714,327.
- Dirnberger, Lawrence A., to E. I. du Pont de Nemours & Co. 2,703,314, Cl. 252—313.
- Diserens, Thomas H. 2,702,976, Cl. 56—12.
- Disson, Stanley B.: *See*—  
Auerbach, Isaac L., and Disson. 2,719,228.
- Disston, Henry, & Sons, Inc.: *See*—  
Ackley, Richard E. 2,725,083.
- Di Stefano, Gioacchino C. 2,703,465, Cl. 43—15.
- Di Stefano, Gioacchino C. 2,712,194, Cl. 43—15.
- Distel, Maurice, to the United States of America as represented by the Secretary of the Army. 2,713,468, Cl. 248—186.
- Distillers Co. Ltd., The: *See*—  
Abbott, Leslie S. 2,714,602.  
Bellringer, Frederick J., Bewley, and Smith. 2,704,298.  
Gasson, Edward J., Wild, Robson, and Millidge. 2,704,774.  
Hadley, David J., and Heap. 2,716,664.  
Hadley, David J., and Woodcock. 2,716,665.  
Hall, Reginald H., and Stern. 2,700,059.  
Hutchinson, Henry M. 2,715,116.  
Turck, Karl H. W. 2,699,434.
- Di Sylvestro, George. 2,699,002, Cl. 35—51.
- Di Toro, Michael J.: *See*—  
De Rosa, Louis A., Di Toro, and Fischer. 2,718,638.
- Di Toro, Michael J., to International Telephone and Telegraph Corp. 2,726,283, Cl. 179—1.5.
- Di Toro, Michael J., W. Graham, and B. M. Dwork, to International Telephone and Telegraph Corp. 2,699,464, Cl. 179—1.
- Dittman, Albert L., and J. M. Wrightson, to The M. W. Kellogg Co. 2,705,706, Cl. 260—92.1.
- Dittmann, Joe. 2,698,615, Cl. 123—188.
- Dittmar, Gerhard, and F. Suckfull, to Farbenfabriken Bayer Aktiengesellschaft. 2,720,516, Cl. 260—143.
- Ditto, Inc.: *See*—  
Bruns, Herbert F. 2,727,461.  
Bruns, Herbert F., and Golbeck. 2,704,028.  
Gullixson, Harold R., and Bruns. 2,720,165.  
Gullixson, Harold R., and Smith. 2,718,181.  
Milenkovic, Veljko. 2,721,515.  
Quirk, Robert W. 2,721,514.  
Roberts, John R. 2,707,433.
- Dittrich, Walter A. 2,701,571, Cl. 131—175.
- Ditzler, John L., to Westinghouse Electric Corp. 2,721,622, Cl. 183—7.
- Diveley, William R., to Hercules Powder Co. 2,725,327, Cl. 167—33.
- Diveley, William R., and A. D. Lohr, to Hercules Powder Co. 2,725,328, Cl. 167—33.
- Diversey Corp.: *See*—  
Farison, Robert E. 2,712,111.
- Divette, Randolph E., to Minneapolis-Honeywell Regulator Co. 2,702,482, Cl. 74—2.
- Divietro, James F. 2,709,983, Cl. 116—34.
- Diving Corp. of America: *See*—  
Arpin, John W. 2,708,860.
- Dix, Edward L., to Bryant Chucking Grinder Co. 2,706,369, Cl. 51—236.
- Dix, Edward L., to Bryant Chucking Grinder Co. 2,711,056, Cl. 51—103.
- Dix, Edward L., to Bryant Chucking Grinder Co. 2,715,304, Cl. 51—236.
- Dix, Edward L., to Bryant Chucking Grinder Co. 2,723,499, Cl. 51—48.
- Dix, Sydney. 2,705,468, Cl. 115—18.
- Dix, S. A.: *See*—  
Leroy, René. 2,699,118.
- Dixie Container Corp.: *See*—  
Schroeder, Louis H., and Wagner. 2,710,134.
- Dixie Cup Co.: *See*—  
Andre, Eugene F., and Metzler. 2,704,629.  
Bennett, Herbert L. 2,705,089.  
Bennett, Herbert L. 2,718,767.  
Carew, Herman. 2,704,444.  
Carew, Herman. 2,708,531.
- Dixie Products, Inc.: *See*—  
Pellegrin, Elmer D. 2,722,592.
- Dixon, Adam C. 2,708,226, Cl. 200—61.52.
- Dixon, Edward C., and W. E. Chilton, to Continental Hospital Service, Inc. 2,708,927, Cl. 128—1.
- Dixon Engineering Co.: *See*—  
Canales, John L. 2,721,015.  
Canales, John L. 2,721,016.
- Dixon, Gaines M. 2,701,947, Cl. 58—56.
- Dixon, Glenn R., to Olin Mathieson Chemical Corp. 2,714,915, Cl. 153—1.
- Dixon, Henry J., J. E. G. Chapman, and F. A. Harwood, to British Insulated Callender's Cables Ltd. 2,717,301, Cl. 219—12.
- Dixon, Henry L., and D. G. Hunt, to The B. F. Goodrich Co. 2,709,277, Cl. 18—34.
- Dixon, James K., to American Cyanamid Co. 2,708,644, Cl. 117—145.
- Dixon, James K., and N. T. Woodberry, to American Cyanamid Co. 2,706,718, Cl. 260—15.
- Dixon, John G. 2,722,856, Cl. 77—69.
- Dixon, Joseph, Crucible Co.: *See*—  
Svenson, Eric B. 2,706,934.
- Dixon, Julian A.: *See*—  
Charles, Frank R., and Dixon. 2,710,861.
- Dixon, Lloyd A., Jr.: *See*—  
Simon, Eli, Thomas, and Dixon. 2,728,702.
- Dixon Lubricating Saddle Co.: *See*—  
Dexter, Robert G., Moran, Ruggere, and Rulon-Miller. 2,725,600.  
Rulon-Miller, Robert. 2,714,229.  
Tabor, Warner H. 2,712,909.
- Dixon, Paul H., to the United States of America as represented by the Secretary of the Army. 2,714,333, Cl. 89—35.
- Dixon, Paul H., and R. W. Hays, to Southern Handkerchief Mfg. Co. 2,699,936, Cl. 270—84.
- Dixon, Paul H., and M. B. Wallin, to the United States of America as represented by the Secretary of the Army. 2,712,192, Cl. 42—25.



- Dixon, Paul H., and D. E. Rutter, to the United States of America as represented by the Secretary of the Army. 2,720,820, Cl. 89—173.
- Dixon, Robert R., and D. E. Baldwin, to Westinghouse Electric Corp. 2,727,831, Cl. 117—62.
- Dixon, Bruce E., to Northrop Aircraft, Inc. 2,708,369, Cl. 74—5.7.
- Dixon, Bruce E., to Northrop Aircraft, Inc. 2,709,244, Cl. 339—2.
- Dixon, Bruce E., to Northrop Aircraft, Inc. 2,713,726, Cl. 33—211.
- Djerassi, Carl: *See*—  
 Romo, Jesus, Rosenkranz, and Djerassi. 2,702,297.  
 Rosenkranz, George, and Djerassi. 2,703,805.  
 Rosenkranz, George, and Djerassi. 2,712,028.  
 Rosenkranz, George, and Djerassi. 2,715,637.  
 Rosenkranz, George, Romo, Stork, and Djerassi. 2,712,027.  
 Sondheimer, Franz, Djerassi, and Rosenkranz. 2,702,290.  
 Sondheimer, Franz, Djerassi, Rosenkranz, and Mancera. 2,702,291.
- Djerassi, Carl, G. Rosenkranz, and J. Romo, to Syntex S. A. 2,698,854, Cl. 260—397.3.
- Djerassi, Carl, G. Rosenkranz, S. Kaufmann, J. Pataki, and J. Romo, to Syntex S. A. 2,705,237, Cl. 260—397.3.
- Djidich, Robert. 2,728,579, Cl. 279—43.
- Djuvik, Carl, to Jones & Laughlin Steel Corp. 2,714,457, Cl. 214—18.
- Diugatch, Meyer. 2,723,552, Cl. 70—240.
- D'Luzansky, Edgar: *See*—  
 Hillery, Robert D., and D'Luzansky. 2,725,930.
- Dmohowski, John, to Chains, Inc. 2,703,170, Cl. 198—175.
- Doak Aircraft Co., Inc.: *See*—  
 Grace, Nelson E., and Ozenne. 2,709,473.  
 Morris, Charles W. 2,705,053.
- Doak, Kenneth W., to United States Rubber Co. 2,715,618, Cl. 260—41.5.
- Doak, Kenneth W., to United States Rubber Co. 2,715,650, Cl. 260—763.
- Doak, Kenneth W., to United States Rubber Co. 2,720,499, Cl. 260—41.5.
- Doak, Robert A., Jr.: *See*—  
 Balleisen, Charles E., Doak, and Garza. 2,701,963.
- Doan, Robert B.: *See*—  
 Clarke, Edgar W., Doan, and Keenan. 2,706,151.
- Doane, Harry C., to General Motors Corp. 2,700,867, Cl. 58—80.
- Doane, Harry C., to General Motors Corp. 2,703,872, Cl. 339—258.
- Doane, Ralph E., and W. F. Ridenour, to Cheshire Mailing Machines, Inc. 2,715,975, Cl. 216—28.
- Doba, Stephen, Jr., to Bell Telephone Laboratories, Inc. 2,701,358, Cl. 343—9.
- Dobbie McInnes Ltd.: *See*—  
 Boyle, Archibald R., and Byrne. 2,708,361.
- Dobbin, Jay H., Jr. 2,704,198, Cl. 254—18.
- Dobbin, Rollins E.: *See*—  
 Bray, Richard I., and Dobbin. 2,719,779.
- Dobbs, Frank G. and S. H. 2,723,697, Cl. 150—42.
- Dobbs, Stephan H.: *See*—  
 Dobbs, Frank G. and S. H. 2,723,697.
- Dobeckmun Co., The: *See*—  
 Holes, Floyd A. 2,725,324.  
 Irion, Clarence E., and Prindle. 2,714,571.  
 Prindle, Karl E., and Lacy. 2,714,569.
- Dobermann, Walther H. M. 2,703,005, Cl. 72—96.
- Dobes, Michael J., and J. H. Smith, to The National Acme Co. 2,705,272, Cl. 200—166.
- Dobes, Michael J., and J. H. Smith, to The National Acme Co. 2,707,734, Cl. 200—70.
- Dobeus, Vander M., and J. W. Carlson, to Tractomotive Corp. 2,722,320, Cl. 212—8.
- Dobias, George L. 2,717,020, Cl. 153—32.
- Dobischek, Dietrich: *See*—  
 Jacobs, Harold, and Dobischek. 2,709,134.
- Dobkins, Lawrence H. 2,722,575, Cl. 200—52.
- Doble, James W. 2,712,590, Cl. 219—41.
- Dobratz, Elmer H., to Monsanto Chemical Co. 2,704,296, Cl. 260—537.
- Dobrin, Edward P.: *See*—  
 Ween, Sidney, and Dobrin. 2,716,342.
- Dobrosielski, Stephen S.: *See*—  
 Gelzheiser, Francis L., and Dobrosielski. 2,719,203.
- Dobry, Joseph F.: *See*—  
 Benedict, Walter E., and Dobry. 2,728,103.
- Dobson, Franklin A., to J. O. Black. 2,708,081, Cl. 244—7.
- Dobson, William T., III, and S. Kahn, to Raytheon Mfg. Co. 2,714,311, Cl. 74—5.
- Dobyns, Cordelia. 2,728,426, Cl. 190—43.
- Dochterman, Richard W., to General Electric Co. 2,722,618, Cl. 310—254.
- Dockins, James O. 2,706,047, Cl. 209—360.
- Docksey, Patrick, F. W. B. and H. T. Porter, to The British Petroleum Co. Ltd. 2,726,193, Cl. 196—28.
- Dockstader, Albert C.: *See*—  
 Martinez, Daniel G. 2,717,708.
- Dr. Salsbury's Laboratories: *See*—  
 Zbornik, Thomas W., Morehouse, and Walde. 2,715,600.
- Dodd, Harold, and T. D. Spencer. 2,715,273, Cl. 33—1.
- Dodds, Harry W., and C. B. Sawyer, to the United States of America as represented by the United States Atomic Energy Commission. 2,725,288, Cl. 75—226.
- Dodge, Carl, to Mail Tool Co. 2,713,271, Cl. 74—50.
- Dodenhoff, W. D., Co., Inc.: *See*—  
 Leineweber, William F., Jr. 2,727,279.
- Dodge, Adiel Y. 2,703,637, Cl. 192—3.
- Dodge, Adiel Y. 2,707,883, Cl. 74—230.17.
- Dodge, Adiel Y. 2,708,834, Cl. 62—136.
- Dodge, Adiel Y. 2,709,505, Cl. 188—78.
- Dodge, Adiel Y. 2,710,504, Cl. 60—54.
- Dodge, Adiel Y. 2,722,844, Cl. 74—330.
- Dodge, Adiel Y., to Borg-Warner Corp. 2,724,471, Cl. 192—45.1.
- Dodge, Erle H., and R. D. Corwin, to Sylvania Electric Products Inc. 2,699,279, Cl. 226—19.
- Dodge, Erle H., and L. W. Kimball, to Sylvania Electric Products Inc. 2,726,799, Cl. 226—19.
- Dodge, Ernest P., to Foster Machine Co. 2,712,906, Cl. 242—27.
- Dodge Mfg. Corp.: *See*—  
 Chung, Jackson. 2,712,761.  
 Firth, David. 2,713,155.  
 Firth, David. 2,722,842.
- Dodge, Milton L., to Compo Shoe Machinery Corp. 2,717,402, Cl. 12—51.
- Dodge, Nathaniel S., Jr., M. E. Negley, and J. A. Sanford, to The American Rubber Mfg. Co. 2,719,752, Cl. 299—77.
- Dodge, Ronald D., R. E. Page, and J. H. Norcross, to International Business Machines Corp. 2,720,959, Cl. 197—42.
- Dodge, Ruez M. 2,713,806, Cl. 85—51.
- Dodge, Ruez M. 2,716,033, Cl. 287—100.
- Dodge, Sherwood O., to H. F. Livermore Corp. 2,707,974, Cl. 139—185.
- Dodgen, Roy J. 2,703,125, Cl. 146—55.
- Dodgson, Frank, to Churchill-Redman, Ltd. 2,726,565, Cl. 82—14.
- Dodgington, Sven H. M., to International Telephone and Telegraph Corp. 2,706,773, Cl. 250—15.
- Dodgington, Sven H. M., to International Telephone and Telegraph Corp. 2,709,805, Cl. 343—16.
- Dodson, Joe W. 2,726,839, Cl. 251—49.
- Dodson, Raymond M., to G. D. Searle & Co. 2,705,232, Cl. 260—239.5.
- Dodson, Raymond M., to G. D. Searle & Co. 2,709,172, Cl. 260—306.8.
- Dodson, Raymond M., to G. D. Searle & Co. 2,709,701, Cl. 260—239.5.
- Dodson, Raymond M., to G. D. Searle & Co. 2,727,908, Cl. 260—397.4.
- Dodson, Raymond M., and C. G. Bergstrom, to G. D. Searle & Co. 2,705,711, Cl. 260—239.55.
- Dodson, Raymond M., and P. B. Sollman, to G. D. Searle & Co. 2,708,201, Cl. 260—397.3.
- Dodt, Elmer C., and H. W. Zimmerman, to Chrysler Corp. 2,717,798, Cl. 293—66.
- Doe, Walter P.: *See*—  
 Fisher, Herman G., Sly, Crawford, and Doe. 2,724,925.
- Doebeli, Oscar. 2,720,763, Cl. 62—126.
- Doeg, Ralph W., to Nash-Kelvinator Corp. 2,717,494, Cl. 62—3.
- Doeg, Ralph W., to American Motors Corp. 2,728,060, Cl. 339—191.
- Doehlemann, Ernst: *See*—  
 Kaess, Franz, Doehlemann, and Maresch. 2,706,729.
- Doehler, Emil J. 2,715,369, Cl. 104—26.
- Doehler Metal Furniture Co., Inc.: *See*—  
 Morin, Louis H. 2,710,784.  
 Morin, Louis H. 2,710,785.
- Doehler, Oskar, to Compagnie Generale de Telegraphie Sans Fil. 2,719,914, Cl. 250—15.
- Doell, Raymond A.: *See*—  
 Larsen, Franklin F. 2,708,494.
- Doelz, Melvin L., to Collins Radio Co. 2,710,943, Cl. 333—12.
- Doelz, Melvin L., to Collins Radio Co. 2,717,361, Cl. 333—71.
- Doerfner, William H., to General Motors Corp. 2,702,529, Cl. 121—46.5.
- Doering, Felix F., Jr., and A. Voorhies, Jr., to Esso Research and Engineering Co. 2,717,866, Cl. 196—55.
- Doering, William E.: *See*—  
 Strandwitz, Norman S., Eichelman, and Doering. 2,714,292.
- Doeringer, Russell C., and C. S. Carlson, to Esso Research and Engineering Co. 2,713,075, Cl. 260—643.
- Doerrfeld, Robert L., to Teletype Corp. 2,708,216, Cl. 178—17.
- Doerrfeld, Robert L., to Teletype Corp. 2,716,157, Cl. 178—42.
- Dofsen, Floyd J.: *See*—  
 Danielson, Elmer L., and Dofsen. 2,720,681.
- Doggett, Towers: *See*—  
 Oransky, Raymond L., and Doggett. 2,724,665.
- Doherty, Thomas H., to Mishawaka Rubber and Woolen Mfg. Co. 2,706,833, Cl. 18—61.
- Doherty, William A., and H. A. Kelley, to G. W. Griffin Co. 2,725,085, Cl. 145—34.
- Dohrer, Francis J. 2,715,944, Cl. 183—7.
- Doi, Yoshikazu, to Fuji Photo Film Co., Ltd. 2,718,174, Cl. 88—57.
- Dolamore, Earl W., Jr. 2,726,859, Cl. 271—2.6.
- Dolan, Edward A., Sr. 2,710,395, Cl. 340—321.
- Dolan, Francis D., and C. A. Latimer, to The American Floor Surfacing Machine Co. 2,722,091, Cl. 51—170.
- Dolan, Paul M., to Olin Mathieson Chemical Corp. 2,701,930, Cl. 41—24.
- Dole, Moody C., 2nd, and P. Roberts, to The Firth Carpet Co., Inc. 2,703,439, Cl. 19—106.



- Dole Refrigerating Co.: *See*—  
 Kleist, Herman W. 2,701,455.  
 Kleist, Herman W. 2,702,334.  
 Kleist, Herman W. 2,726,515.
- Dole, Stephen H.: *See*—  
 Knox, William T., Jr., and Dole. 2,703,292.
- Dole, Stephen H., and W. T. Knox, Jr., to Esso Research and Engineering Co. 2,713,022, Cl. 196—20.
- Dole Valve Co., The: *See*—  
 Bauerlein, Carl C. 2,716,996.  
 Dahl, Robert R. 2,728,355.  
 Drapeau, Harold B. 2,710,146.  
 Eskin, Samuel G. 2,711,458.  
 Kraft, El Roy J. 2,698,701.  
 Lund, James K. 2,712,324.
- Dole, William E. 2,727,737, Cl. 266—25.
- Doleschi, Alois: *See*—  
 Cüpper, Oscar, and Doleschi. 2,715,927.
- Dolgorukov, Gregory S. 2,715,433, Cl. 155—14.
- Dolhun, Leonard M., to Chicago Rawhide Mfg. Co. 2,701,154, Cl. 288—3.
- Doll, Donald P.: *See*—  
 Mullin, Albert J., and Doll. 2,724,636.
- Doll, Edouard. 2,700,204, Cl. 28—64.
- Doll, Franz, and P. Van Ackeren, to Koppers Co., Inc. 2,721,573, Cl. 137—113.
- Doll, Henri-Georges, to Schlumberger Well Surveying Corp. 2,704,347, Cl. 324—10.
- Doll, Henri-Georges, to Schlumberger Well Surveying Corp. 2,707,266, Cl. 324—1.
- Doll, Henri-Georges, to Schlumberger Well Surveying Corp. 2,712,626, Cl. 324—1.
- Doll, Henri-Georges, to Schlumberger Well Surveying Corp. 2,712,627, Cl. 324—1.
- Doll, Henri-Georges, to Schlumberger Well Surveying Corp. 2,712,628, Cl. 324—1.
- Doll, Henri-Georges, to Schlumberger Well Surveying Corp. 2,712,629, Cl. 324—1.
- Doll, Henri-Georges, to Schlumberger Well Surveying Corp. 2,712,630, Cl. 324—1.
- Doll, Henri-Georges, to Schlumberger Well Surveying Corp. 2,712,632, Cl. 324—1.
- Doll, Henri-Georges, to Schlumberger Well Surveying Corp. 2,713,146, Cl. 324—1.
- Doll, Henri-Georges, to Schlumberger Well Surveying Corp. 2,725,523, Cl. 324—6.
- Doll, Henri-Georges, to Schlumberger Well Surveying Corp. 2,728,047, Cl. 324—1.
- Dollar, Fred W. 2,708,897, Cl. 116—118.
- Dollard, Gomer E. 2,718,328, Cl. 220—52.
- Doller, Theodore M. 2,706,053, Cl. 214—7.
- Dolliver, Morris A., and S. Semenov, to Olin Mathieson Chemical Corp. 2,717,236, Cl. 204—75.
- Dolnick, Seymour S., and S. G. Glen, to Rhea Mfg. Co. 2,721,818, Cl. 154—49.
- Dolude, Roman J.: *See*—  
 Summers, Thomas O., Jr., and Dolude. 2,724,281.
- Dolude, Roman J., to Summers Gyroscope Co. 2,714,947, Cl. 192—142.
- Dolude, Roman J., to Summers Gyroscope Co. 2,720,602, Cl. 310—74.
- Dolza, John: *See*—  
 Chayne, Charles A., and Dolza. 2,718,219.  
 Gardiner, Arthur W., Gaubatz, Nickel, Dolza, and Perish. 2,708,426.
- Dolza, John, to General Motors Corp. 2,724,373, Cl. 123—90.
- Dolza, John, to General Motors Corp. 2,725,862, Cl. 123—122.
- Domagk, Gerhard T.: *See*—  
 Schraufstaetter, Ernst, and Domagk. 2,710,881.
- Doman, Glidden S., to Doman Helicopters, Inc. 2,716,889, Cl. 73—147.
- Doman Helicopters, Inc.: *See*—  
 Doman, Glidden S. 2,716,889.  
 Du Pont, Stephen. 2,715,325.
- Dombeck, Edward K., to Bendix Aviation Corp. 2,728,418, Cl. 188—78.
- Dombek, Hulda R. 2,698,940, Cl. 2—42.
- Dombrowski, Eugene J. 2,713,444, Cl. 223—25.
- Domburg, Jacobus: *See*—  
 Six, Willem, and Domburg. 2,714,162.  
 Six, Willem, Domburg, and van Lottum. 2,719,250.
- Domeny, Steven, to Ada Metal Products. 2,712,585, Cl. 219—4.
- Domingo, Emil. 2,702,767, Cl. 134—22.
- Dominik, Edward J. 2,703,652, Cl. 211—65.
- Dominion Bridge Co. Ltd.: *See*—  
 McLachlan, Robert A. 2,726,687.
- Dominion Cellulose Ltd., The: *See*—  
 Marshall, Harry B., and Bennett. 2,709,653.
- Dominion Tar & Chemical Co., Ltd.: *See*—  
 Krzesz, Zygmunt. 2,711,432.
- Dominion Textile Co. Ltd.: *See*—  
 Altosaar, Heino. 2,727,979.
- Dominion Watch Case Ltd.: *See*—  
 Spalding, Kenneth D. 2,718,750.
- Domoj, John J. 2,713,287, Cl. 89—1.5.
- Domore Chair Co., Inc.: *See*—  
 Wood, Glenn D. 2,703,601.
- Dompke, Albert P. F.: *See*—  
 Schaefer, Robert J., and Dompke. 2,727,791.
- Don, Louis. 2,703,058, Cl. 107—1.
- Donahay, John W., to Foote Mineral Co. 2,720,473, Cl. 148—26.
- Donahue, Daniel J., and A. M. Rennie, to Radio Corp. of America. 2,702,270, Cl. 204—11.
- Donahue, Dennis A.: *See*—  
 Mills, Edward L., and Donahue. 2,719,353.
- Donahue, Thomas C. 2,726,698, Cl. 152—226.
- Donahue, William J., Jr.: *See*—  
 Bowersett, Charles F., Donahue, and Baker. 2,718,192.  
 Graumann, Raymond L., and Donahue. 2,703,531.
- Donal, John S., Jr.: *See*—  
 Chang, Kern K. N., and Donal. 2,710,923.
- Donald, William P., to Wean Equipment Corp. 2,700,332, Cl. 100—2.
- Donaldson Co., Inc.: *See*—  
 Fier, Floyd R. 2,701,029.  
 Lunn, Robert J., and Lowther. 2,703,192.  
 Schuldt, Donald A. 2,717,659.
- Donaldson, Eben G. 2,715,475, Cl. 217—36.
- Donaldson, Edwin S. 2,702,660, Cl. 229—7.
- Donaldson, George R., to Universal Oil Products Co. 2,723,946, Cl. 196—50.
- Donaldson, James E. 2,701,114, Cl. 248—315.
- Donaldson, John S. 2,703,476, Cl. 59—93.
- Donaldson, Robert R., to Hagan Corp. 2,710,015, Cl. 137—85.
- Donaldson, Walter E., and A. W. Hanson, to The Dow Chemical Co. 2,708,610, Cl. 308—162.
- Donaldson, Warren J., to General Electric Co. 2,702,324, Cl. 200—50.
- Donaldson, William T.: *See*—  
 Hetrick, James C., and Donaldson. 2,728,799.
- Donargo, Anthony J. 2,722,690, Cl. 5—8.
- Donaruma, Lorraine G., and M. L. Huber, to E. I. du Pont de Nemours and Co. 2,702,801, Cl. 260—239.3.
- Donatelli, Lee A. 2,700,481, Cl. 214—86.
- Donath, Edwin W., to Illinois Testing Laboratories, Inc. 2,706,250, Cl. 250—36.
- Donato, Joseph J., and F. L. Hardin. 2,709,440, Cl. 129—38.
- Dondero, Joseph: *See*—  
 Ferrario, John J., and Dondero. 2,706,060.
- Donehower, William P., to M. and B. D. Hartzell. 2,720,859, Cl. 118—239.
- Donelan, James C. 2,704,069, Cl. 128—133.
- Dönges, Hans, and F. J. Schuppert, to Johann Vaillant Kommanditgesellschaft. 2,699,347, Cl. 287—53.
- Donia, Robert A.: *See*—  
 Johnson, Byron A., Murray, and Donia. 2,719,857.
- Donia, Robert A., to The Upjohn Co. 2,701,806, Cl. 260—397.3.
- Doniak, Michael. 2,710,908, Cl. 219—39.
- Doniger, David D., & Co., Inc.: *See*—  
 Lepore, Joseph. 2,712,888.
- Doniger, Sundel. 2,707,316, Cl. 28—15.
- Doniger, Sundel. 2,723,439, Cl. 28—15.
- Donley, Harold B., to Columbus Metal Products, Inc. 2,719,967, Cl. 340—382.
- Donlon, John E.: *See*—  
 Davis, Wilfred W., and Donlon. 2,702,496.
- Donnan, Robert A., to Surprenant Mfg. Co. 2,714,364, Cl. 118—222.
- Donnell, H. W.: *See*—  
 Hankins, Willie L., Jr. 2,719,051.
- Donnelley, R. R., & Sons Co.: *See*—  
 Kile, Otho. 2,720,665.  
 Kile, Otho. 2,721,644.  
 Kramer, Lawrence I. 2,700,462.
- Donnelly, Edward C., Jr.: *See*—  
 Atwater, Leigh R. B., and Donnelly. 2,715,264.
- Donnelly Electric & Mfg. Co.: *See*—  
 Atwater, Leigh R. B., and Donnelly. 2,715,264.
- Donnelly, Leo F., and D. Acorace. 2,719,311, Cl. 12—142.
- Donnelly, William M. 2,724,609, Cl. 292—266.
- Donohoe, Carroll P.: *See*—  
 Frick, Frederick F., Donohoe, and Ruckwardt. 2,716,600.
- Donovan, George C.: *See*—  
 Vaughn, Samuel C., and Donovan. 2,712,363.
- Donovan, John J., Jr., F. C. Williamson, and C. D. Woody, to Universal Window Co. 2,718,616, Cl. 20—42.
- Donovan, Joseph J., to Houdry Process Corp. 2,708,142, Cl. 302—59.
- Donovan, Mary J.: *See*—  
 Donovan, Patrick L. 2,711,062.
- Donovan, Patrick L., deceased, by M. J. Donovan, executrix. 2,711,062, Cl. 55—84.
- Donovan, Robert T., to Ludwig Hommel & Co. 2,698,637, Cl. 145—51.
- Donsky, Abraham, H. Naubereit, and M. Paulovich. 2,714,818, Cl. 73—17.
- Dooley, Delmar D. 2,725,947, Cl. 180—82.
- Dooley, George W.: *See*—  
 Warner, Eugene L., and Dooley. 2,708,798.
- Doolin, Paul M., to E. L. Bruce Co. 2,710,031, Cl. 144—3.
- Doolittle, Donald B., to All American Engineering Co. 2,718,367, Cl. 244—105.
- Doolittle, Donald B., to All American Engineering Co., Inc. 2,718,368, Cl. 244—105.
- Doolittle, Donald B., to All American Engineering Co. 2,720,367, Cl. 244—1.
- Doolittle, Harold. 2,711,267, Cl. 220—55.
- Doolittle, Howard D., to Machlett Laboratories, Inc. 2,722,624, Cl. 313—250.
- Doorn, Johannis, to Shell Development Co. 2,719,817, Cl. 196—18.
- Dootson, Norman L., ½ to W. M. Colombo. 2,701,593, Cl. 146—3.



- Dore, Frank M. 2,714,217, Cl. 12—128.3.  
Dore, Lewis C. 2,727,645, Cl. 215—100.5.  
Doremus, John A., and R. P. Crow, to Motorola, Inc. 2,710,378, Cl. 332—24.  
Dorey, George B., to Continental Transport Appliances, Ltd. 2,699,231, Cl. 188—198.  
Dorey, George B., to Enterprise Railway Equipment Co. 2,712,289, Cl. 105—280.  
Dorey, George B., to Enterprise Railway Equipment Co. 2,719,492, Cl. 105—282.  
Dorey, George B., to Enterprise Railway Equipment Co. 2,720,173, Cl. 105—280.  
Dorey, George B., to Enterprise Railway Equipment Co. 2,720,174, Cl. 105—308.  
Dorey, George B., to Enterprise Railway Equipment Co. 2,720,175, Cl. 105—406.  
Dorf, Fred B.: *See—*  
Rees, Thomas, and Dorf. 2,723,974.  
Dorff, Louis A., to Bell Telephone Laboratories, Inc. 2,721,935, Cl. 250—6.  
Dorgelo, Eduard G., to Hartford National Bank and Trust Co., trustee. 2,721,290, Cl. 313—254.  
Döring, Fritz: *See—*  
Ulrich, Fritz, Centmaier, Eder, Hofmann, and Döring. 2,701,824.  
Dorinson, Amos, to Sinclair Refining Co. 2,711,395, Cl. 252—33.4.  
Dorinson, Amos, to Sinclair Refining Co. 2,711,396, Cl. 252—33.4.  
Dority, Paul D. R. 2,727,127, Cl. 219—15.  
Dorkins, Evan E.: *See—*  
Wills, Marion C. and W. J., and Dorkins. Re. 23,989.  
Dorkins, Evan E., to Ottawa Steel, Inc. 2,705,971, Cl. 137—622.  
Dorkins, Evan E., to Ottawa Steel, Inc. 2,710,699, Cl. 214—140.  
Dorko, John. 2,715,786, Cl. 37—53.  
Dorman, Harry W. 2,700,467, Cl. 209—199.  
Dorman, Leonard M., to Talon, Inc. 2,701,401, Cl. 24—205.11.  
Dormeyer Corp.: *See—*  
Braski, Raymond J., and Schwaneke. 2,725,460.  
Lipsich, Maurice L., and Schwaneke. 2,710,906.  
Schwaneke, Fred C. 2,707,623.  
Dorner, John A., to The B. F. Goodrich Co. 2,715,300, Cl. 51—105.  
Dornfeld, Clinton A., to G. D. Searle & Co. 2,704,757, Cl. 260—251.  
Dornfeld, Eberhard: *See—*  
Haage, Konrad, and Dornfeld. 2,718,884.  
Dornfeld, Edmund G., to Radio Corp. of America. 2,720,606, Cl. 313—84.  
Dornik, Peter, Jr.: *See—*  
Martin, Frank S., Pietraszek, and Dornik. 2,728,576.  
Doros, Adolf S., to United Shoe Machinery Corp. 2,703,896, Cl. 12—15.  
Dorr Co., The: *See—*  
Coulter, Harold B. 2,715,462.  
Darby, George M. 2,715,460.  
Fitch, Elliot B. 2,715,463.  
Fox, William J. 2,714,954.  
Heath, Thomas D. 2,700,592.  
Lapple, Walter C., and Behme. 2,715,018.  
Marston, William T. 2,714,955.  
Marston, William T. 2,714,956.  
McKay, James B. 2,715,565.  
Dorr, Darrow D.: *See—*  
Cunningham, Vergil. 2,722,173.  
Dorr, Durward D.: *See—*  
Cunningham, Vergil. 2,722,173.  
Dorr, Henry J.: *See—*  
Bailey, Walter. 2,726,818.  
Dorr-Oliver Inc.: *See—*  
Binford, Thomas A. 2,713,027.  
Darby, George M. 2,723,754.  
Lapple, Walter C. 2,723,883.  
Logan, Robert P., and Fischer. 2,723,231.  
Lutz, William A., and Maitland. 2,723,562.  
Talbot, Henry J. 2,723,760.  
Dorrough, Nell C. 2,716,545, Cl. 259—134.  
Dorsak, John W.: *See—*  
Armstrong, Gordon, and Dorsak. 2,706,473.  
Dorsak, John W., to The Gordon Armstrong Co., Inc. 2,720,387, Cl. 261—76.  
Dorsak, John W., to The Gordon Armstrong Co., Inc. 2,721,252, Cl. 219—38.  
Dorsak, John W., and T. F. Van Denberg, to The Gordon Armstrong Co., Inc. 2,720,388, Cl. 261—76.  
Dorschner, Clarence C.: *See—*  
Steiger, Carl E., and Dorschner. 2,705,862.  
Dorsey, Clyde W., 50% to J. J. McBride. 2,719,994, Cl. 15—24.  
Dorsey, Hugh. 2,701,516, Cl. 99—346.  
Dorsey, John J., Jr., to Commercial Solvents Corp. 2,723,183, Cl. 23—103.  
Dorsey, Joseph W., A. J. Liebman, and A. S. Osbourne, to Dravo Corp. 2,699,586, Cl. 24—68.  
Dorsey, William S., to Union Oil Co. of California. 2,726,276, Cl. 260—679.  
Dorso, Eugene R.: *See—*  
Plunkett, John A., and Dorso. 2,713,491.  
Dorst, Stanley O., to Sprague Electric Co. 2,707,693, Cl. 154—80.  
Dorst, Stanley O., to Sprague Electric Co. 2,707,703, Cl. 204—28.  
Dort, Russell L.: *See—*  
Andrews, Norman F., and Dort. 2,721,557.  
Dorton, John M. 2,710,647, Cl. 155—159.  
Doser, Arnold, to Farbenfabriken Bayer Aktiengesellschaft. 2,708,642, Cl. 117—62.  
Doshier, Luchion E., to Thomas Hydraulic Speed Controls, Inc. 2,704,141, Cl. 192—61.  
Dosier, John P., to American Enka Corp. 2,728,628, Cl. 8—116.4.  
Dosmann, Lucian P., L. A. Ferguson, and R. W. Strock, to United States Rubber Co. 2,698,816, Cl. 117—103.  
Dosne, Rene E., and P. L. Johnson, to Canadian International Paper Co. 2,715,871, Cl. 100—131.  
Dossie, Thomas J., ½ to M. J. Parnes. 2,715,028, Cl. 279—9.  
Dossie, Thomas J., and M. J. Parnes. 2,727,314, Cl. 33—211.  
Dostal, Frank, to American Time Products, Inc. 2,707,234, Cl. 250—36.  
Doster, Howard G., to The Ohio Injector Co. 2,711,877, Cl. 251—197.  
Doster, Howard G., to The Ohio Injector Co. 2,726,672, Cl. 137—271.  
Dostert, William H., to Continental Motors Corp. 2,714,278, Cl. 51—137.  
Dotla, Louis. 2,716,480, Cl. 198—33.  
Doty, Archibald C., Jr., and W. E. Morrison, to The Torrington Mfg. Co. 2,703,556, Cl. 120—120.  
Doty, Arthur A. 2,109,263, Cl. 4—56.  
Doty, Clifford B., C. C. Gage, and J. W. McCauley, to Briggs Mfg. Co. 2,720,914, Cl. 155—195.  
Doty, Dale C. 2,723,152, Cl. 294—26.  
Doube, Gerard J. 2,724,841, Cl. 5—38.  
Double, Walter F., H. C. Schindler, and R. Q. Armington, to General Motors Corp. 2,723,567, Cl. 74—365.  
Douchet, Florimond A. J., to Societe Alsacienne de Constructions Mechaniques S. A. 2,718,990, Cl. 226—23.  
Doughboy Industries, Inc.: *See—*  
Grevich, John J. 2,727,648.  
Dougherty, Earle T. 2,709,073, Cl. 256—24.  
Dougherty, James L., and W. O. Bane. 2,702,475, Cl. 73—290.  
Dougherty, Michael J.: *See—*  
Bill, Curtis L., and Dougherty. 2,713,687.  
Dougherty, Ralph W., to The Visking Corp. 2,715,761, Cl. 26—54.  
Dougherty, Ralph W., and H. P. Elchin, to The Visking Corp. 2,698,574, Cl. 101—120.  
Dougherty, Robert S. A., to Bethlehem Steel Co. 2,717,829, Cl. 75—103.  
Doughnut Corp. of America: *See—*  
Hunter, Herbert T. 2,709,955.  
Hunter, Herbert T., and Wilson. 2,709,974.  
Douglas Aircraft Co., Inc.: *See—*  
Boyer, Joseph M. 2,724,052.  
Boyer, Joseph M., and Tucker. 2,701,338.  
Coates, J. Edwin. 2,723,699.  
Conly, James C. 2,727,058.  
Del Mar, Bruce E. 2,701,514.  
Del Mar, Bruce E. 2,702,458.  
Douglas, Donald W., and Del Mar. 2,701,068.  
Harrison, Charles C., Mead, Rachtan, and Wheelon. 2,702,577.  
Helnemann, Edward H., Mayo, and Walpole. 2,708,555.  
Douglas, Albert T. 2,703,835, Cl. 219—10.  
Douglas, Alvin P., and L. J. Walters, to The Murray Ohio Mfg. Co. 2,706,135, Cl. 301—63.  
Douglas Chemical and Supply Co.: *See—*  
Graham, Ward A. 2,706,700.  
Douglas, Clarence J.: *See—*  
Young, Walter L., Douglas, Stengl, and Bedwell. 2,723,659.  
Douglas, Donald W., and B. E. Del Mar, to Douglas Aircraft Co., Inc. 2,701,068, Cl. 214—75.  
Douglas, Edwin J., to Stauffer Chemical Co. 2,710,423, Cl. 18—1.  
Douglas, Edwin J., to Stauffer Chemical Co. 2,710,795, Cl. 71—64.  
Douglas, Gerald R.: *See—*  
Clark, Samuel, Jr., and Douglas. 2,717,465.  
Douglas, Homer C., to T. R. Chamberlain. 2,723,478, Cl. 42—57.  
Douglas, James K., to The Oilgear Co. 2,699,651, Cl. 60—52.  
Douglas Mfg. Co.: *See—*  
Kelly, George M., and Leatherman. 2,709,273.  
Douglas, Marvin L., to Becton Dickinson and Co. 2,706,761, Cl. 219—19.  
Douglas, Peyton W., to Easy Washing Machine Corp. 2,717,135, Cl. 248—20.  
Douglas, Ronald W.: *See—*  
Bradshaw, Stanley E., and Douglas. 2,723,370.  
Douglass, Edward T., Jr. 2,710,748, Cl. 266—31.  
Douglass, Frank J. 2,724,898, Cl. 33—63.  
Douglass, Frederick F. 2,702,092, Cl. 184—1.  
Douglass, John J., to E. I. du Pont de Nemours and Co. 2,725,597, Cl. 18—19.  
Douglass, John W., Jr. 2,718,023, Cl. 15—136.  
Douglass, Margaret A. W.: *See—*  
Douglass, Philip G. 2,713,412.  
Douglass, Philip G., deceased, by M. A. W. Douglass, administratrix, to J. Lyons & Co. Ltd. 2,713,412, Cl. 198—182.  
Douglass, Thomas J., Jr. 2,718,072, Cl. 35—26.



- Doukas, Harry M.: *See*—  
Fontaine, Thomas D., and Doukas. 2,716,116.
- Dourte, George J. 2,702,510, Cl. 103—157.
- Doutors Societe Anonyme Holding: *See*—  
De Halleux, Pierre. 2,703,958.
- Douty, Alfred, and W. G. Smith, to American Chemical Paint Co. 2,709,781. Cl. 324—30.
- Dovberg, Ike: *See*—  
Dovberg, Maurice S. and I. 2,701,773.
- Dovberg, Ike and M. S. 2,718,472, Cl. 106—187.
- Dovberg, Maurice S.: *See*—  
Dovberg, Ike and M. S. 2,718,472.
- Dovberg, Maurice S. and I. 2,701,773, Cl. 106—157.
- Dove, Frank: *See*—  
Fisher-Luttrell, William, and Dove. 2,698,542.
- Dovolis, Nick J., to Char-Gale Mfg. Co. 2,705,912, Cl. 98—114.
- Dovolis, Nick J., to Char-Gale Mfg. Co. 2,719,476, Cl. 98—108.
- Dow Chemical Co., The: *See*—  
Ammann, Charles F. 2,722,583.
- Amos, James L., Frank, and Stober. 2,714,101.
- Anderson, Arthur W., and Moeller. 2,720,464.
- Baggett, Claude, Jr., and Brown. 2,708,676.
- Baker, Edward B. 2,716,190.
- Barrons, Keith C. 2,711,949.
- Barstow, Ormond E., Finlayson, and Bridge. 2,715,705.
- Bauman, William C. 2,702,275.
- Beman, Floyd L. 2,716,663.
- Bersworth, Frederick C. 2,712,544.
- Bersworth, Frederick C. 2,712,545.
- Bersworth, Frederick C. 2,724,706.
- Blue, Robert D., and Neipert. 2,719,117.
- Britton, Edgar C., and Keil. 2,725,402.
- Britton, Edgar C., and Keil. 2,725,405.
- Britton, Edgar C., and Vander. 2,701,800.
- Brown, John H., Jr., and Martin. 2,711,420.
- Bryner, Fred. 2,726,270.
- Cardwell, Paul H., and Coulter. 2,713,033.
- Cardwell, Paul H., and Eilers. 2,699,213.
- Colby, Norman R., and Hershey. 2,699,576.
- Crummett, Warren B., and Stenger. 2,709,710.
- De Long, Herbert K. 2,728,720.
- Dibert, Carl L. 2,700,026.
- Dietzler, Andrew J. 2,716,139.
- Donaldson, Walter E., and Hanson. 2,708,610.
- Francis, Kenneth G., and McIntire. 2,717,424.
- Fry, Ashford B., George, and Kirk. 2,712,564.
- Guebert, Kenneth W. 2,712,982.
- Guebert, Kenneth W. 2,712,983.
- Guebert, Kenneth W. 2,712,984.
- Guebert, Kenneth W. 2,712,985.
- Hanson, William J. 2,716,072.
- Head, James D. 2,705,730.
- Hershey, Gordon F. 2,728,107.
- Houtman, Thomas, Jr. 2,724,005.
- Johnston, Howard. 2,722,558.
- Jones, William C. 2,708,541.
- Kaeding, Warren W., Lindblom, and Temple. 2,727,926.
- Kenaga, Duane L., and Erhel. 2,725,311.
- Kenaga, Eugene E. 2,705,212.
- Kenaga, Eugene E. 2,705,213.
- Kundiger, Donald G., and Pledger. 2,719,173.
- Lapin, John. 2,713,705.
- Leontis, Thomas E., and Pashak. 2,701,636.
- Longstreth, Murray O., and Ryan. 2,718,658.
- Look, Alfred T., and McDonald. 2,700,657.
- McDonald, Donald L., Coulter, and McCurdy. 2,727,884.
- Mick, William F., and Amley. 2,716,074.
- Mussell, Dorsey R. 2,726,946.
- Nelson, Kenneth E. 2,703,753.
- Norton, Frederick H. 2,705,245.
- Norton, Ted R. 2,703,802.
- Norton, Ted R. 2,711,414.
- Norton, Ted R., and Martin. 2,723,982.
- Pearlman, Marshall B. 2,727,924.
- Poffenberger, Noland. 2,711,433.
- Poffenberger, Noland. 2,714,056.
- Price, Raymond M., and Roche. 2,723,963.
- Pruitt, Malcolm E., and Baggett. 2,706,181.
- Pruitt, Malcolm E., and Baggett. 2,706,189.
- Pruitt, Malcolm E., Baggett, Bloomfield, and Templeton. 2,706,182.
- Reid, Raymond W. 2,715,653.
- Ross, Oren E., and Williams. 2,705,131.
- Ruh, Robert P. 2,715,144.
- Ruh, Robert P., and Davis. 2,705,247.
- Ruh, Robert P., Davis, and Allswede. 2,705,229.
- Ruh, Robert P., and Rector. 2,716,109.
- Scoles, George W. 2,700,678.
- Simenson, Louis O. 2,714,045.
- Slagh, Harold R. 2,708,675.
- Smith, Cornelius P., Le Boeuf, and McIntire. 2,707,805.
- Stanton, George W., and Ehlers. 2,715,112.
- Stanton, George W., and Ehlers. 2,716,095.
- Stanton, George W., and Spence. 2,707,157.
- Sutherland, Jack. 2,703,619.
- Swezey, Arthur W. 2,712,990.
- Swezey, Arthur W. 2,712,991.
- Swezey, Arthur W. 2,714,063.
- Treat, Lyle G., and Ryden. 2,727,012.
- Warren, Glenn W. 2,727,076.
- Weaver, Miles A., and Greminger. 2,712,500.
- Wheaton, Robert M. 2,723,245.
- White, Halbert C. 2,700,054.
- Dow Chemical Co., The: *See*—Continued.  
Williams, Julian C. 2,724,655.
- Yack, Waldo A., and Szczepanski. 2,720,310.
- Dow Corning Corp.: *See*—  
Barry, Arthur J. 2,715,060.
- Bass, Shailer L. 2,706,723.
- Bass, Shailer L. 2,706,724.
- Clark, Harold A. 2,706,190.
- Clark, Harold A. 2,718,483.
- Collings, William R. 2,708,289.
- Currie, Chester C., and Todd. 2,698,805.
- Daudt, William H. 2,710,875.
- Dennett, Firth L. 2,728,692.
- Dexter, John F. 2,718,052.
- Dickmann, Norbert G. 2,721,857.
- Gilkey, John W. 2,723,986.
- Gordon, Arthur F. 2,715,113.
- Hunter, Melvin J., and Dudley. 2,728,736.
- Kin, Myron. 2,721,855.
- Kohl, Charles F. 2,721,854.
- McHard, James A., and Winger. 2,699,411.
- Rauner, Lawrence A. 2,718,507.
- Rauner, Lawrence A. 2,718,508.
- Shorr, Leonard M. 2,698,861.
- Sommer, Leo H. 2,698,859.
- Sommer, Leo H. 2,698,860.
- Sommer, Leo H. 2,713,063.
- Sommer, Leo H. 2,721,856.
- Speier, John L. 2,715,133.
- Speier, John L. 2,723,987.
- Speier, John L., Jr. 2,715,134.
- Stebbleton, Leo F. 2,710,843.
- Warrick, Earl L. 2,718,512.
- Warrick, Earl L. 2,723,964.
- Warrick, Earl L. 2,728,743.
- Weyenberg, Donald R. 2,713,064.
- Weyenberg, Donald R. 2,714,099.
- Youngs, Delmar C. 2,723,966.
- Dow, Dewey M., to Air-Way Industries, Inc. 2,725,953, Cl. 183—58.
- Dow, Doris B.: *See*—  
Dow, John A. 2,726,077.
- Dow, John A., deceased; D. B. Dow, administratrix, to D. B. Dow. 2,726,077, Cl. 266—4.
- Dow Jones & Co., Inc.: *See*—  
Ackell, Joseph J. 2,704,595.
- Ackell, Joseph J. 2,704,596.
- Dowd, Albert A., to The Glenn L. Martin Co. 2,710,561, Cl. 89—34.
- Dowd, Howard M., and R. L. Barrows. 2,702,706, Cl. 273—43.
- Dowd, Laurence E., to Transparent Package Co. 2,702,254, Cl. 117—63.
- Dowell, George D., to Hanes Hosiery Mills Co. 2,727,373, Cl. 66—49.
- Dowell, George W., Jr., to Dowell Products Inc. 2,712,811, Cl. 119—1.
- Dowell Products Inc.: *See*—  
Dowell, George W., Jr. 2,712,811.
- Dowler, Burnell F. 2,717,630, Cl. 155—106.
- Dowling, Robert L., Jr., and J. C. Hamilton, to W. P. Hunnicutt. 2,706,081, Cl. 235—70.
- Downe, Edward R., to The C. A. Olsen Mfg. Co. 2,704,572, Cl. 158—115.
- Downey, Clement L., to Johnson Fare Box Co. 2,724,224, Cl. 53—60.
- Downey, Paul M.: *See*—  
Beaver, David J., Downey, and Harris. 2,713,047.
- Downey, Paul M., to Monsanto Chemical Co. 2,726,277, Cl. 260—815.
- Downey, Richard M., to United States Gypsum Co. 2,701,388, Cl. 18—2,6.
- Downing, Eric W., to Joseph Lucas (Industries) Ltd. 2,704,055, Cl. 123—52.
- Downing, Eric W., to Joseph Lucas Ltd. 2,720,842, Cl. 103—154.
- Downing, George, to American Viscose Corp. 2,726,615, Cl. 113—59.
- Downing, George, to American Viscose Corp. 2,726,616, Cl. 113—59.
- Downing, Helen A. 2,722,807, Cl. 62—89.
- Downing, Helen A. 2,725,728, Cl. 62—108.5.
- Downing, James R., to Cook Electric Co. 2,714,202, Cl. 340—174.
- Downing, John: *See*—  
Kowolik, Ernest J., Downing, and Drewitt. 2,706,185.
- Downing, John, and J. G. N. Drewitt, to British Celanese Ltd. 2,708,663, Cl. 260—78.
- Downing, John, and J. G. N. Drewitt, to British Celanese Ltd. 2,724,634, Cl. 18—54.
- Downing, John, A. Hodge, and J. G. N. Drewitt, to British Celanese Ltd. 2,721,112, Cl. 18—54.
- Downing, John, A. Hodge, and J. G. N. Drewitt, to British Celanese Ltd. 2,721,113, Cl. 18—54.
- Downing, John, A. Hodge, and J. G. N. Drewitt, to British Celanese Ltd. 2,721,114, Cl. 18—54.
- Downing, Merriitt, to American Steel Band Co. 2,704,108, Cl. 154—41.
- Downs, Alva D. 2,706,959, Cl. 115—41.
- Dowty Auto Units Ltd.: *See*—  
Sutton, Dudley G. 2,713,773.
- Dowty Equipment Ltd.: *See*—  
Dowty, George H. 2,707,604.
- Frye, Colin M. 2,699,180.
- Harding, John K. 2,703,961.
- Nicholl, Edward J. 2,725,077.



- Dowty, George H., to Dowty Equipment Ltd. 2,707,604, Cl. 244—111.
- Dowty Seals Ltd.: *See—*  
Mills, Joseph A. W., Drew, and Chesmer. 2,724,865.
- Doyle, Andrew W. 2,725,044, Cl. 123—41.19.
- Doyle, Clifford J., and T. K. Storer, to Imperial Chemical Industries Ltd. 2,709,708, Cl. 260—560.
- Doyle, Dewey I., Sr., to Doyle Vacuum Cleaner Co. 2,711,554, Cl. 15—419.
- Doyle, Frank P.: *See—*  
Edwards, Harry D., Doyle, and Palling. 2,721,799.
- Doyle, Harold, to The Consolidated Mining and Smelting Co. of Canada Ltd. 2,720,280, Cl. 183—115.
- Doyle, Irving W., and N. Kling, to Fairchild Camera and Instrument Corp. 2,699,102, Cl. 95—57.
- Doyle, James F., and P. L. Onasch, to Arkell Safety Bag Co. 2,704,106, Cl. 154—33.05.
- Doyle, John. 2,707,840, Cl. 38—105.
- Doyle, Norman V. 2,714,496, Cl. 248—38.
- Doyle Vacuum Cleaner Co.: *See—*  
Doyle, Dewey I., Sr. 2,711,554.
- Doyle, Willis G.: *See—*  
Lovett, Nicholas M., and Doyle. 2,704,060.
- Dozier, Herma W., to Fancee Free Mfg. Co. 2,706,816, Cl. 2—42.
- D'Ozouville, Francois, to Siper S. A. 2,714,435, Cl. 192—3.5.
- Dr. Ing. h. c. F. Porsche K.-G.: *See—*  
Jantschke, Leopold. 2,702,533.
- Rabe, Karl. 2,717,173.
- Schmid, Leopold. 2,716,355.
- Draeger, Arthur A., to Esso Research and Engineering Co. 2,721,832, Cl. 196—36.
- Drager, Otto H.: *See—*  
Grosskopf, Karl. 2,709,127.
- Drain, Herbert D., to Church of Religious Science. 2,704,370, Cl. 4—187.
- Drake, Claud E. 2,714,317, Cl. 76—112.
- Drake, Claud E. 2,720,229, Cl. 143—140.
- Drake, Edward M. 2,715,025, Cl. 273—150.
- Drake, Edward P., and R. E. Boyden, to Clary Multiplier Corp. 2,724,550, Cl. 235—3.
- Drake, Harcourt C., to Sperry Products, Inc. 2,699,061, Cl. 73—67.
- Drake, Robert E. 2,703,199, Cl. 230—117.
- Drake, Ronald S.: *See—*  
Newton, Alwin B., and Drake. 2,728,206.
- Drake, William H. 2,714,402, Cl. 139—154.
- Drakenfeld, B. F., & Co.: *See—*  
Andrews, Ray, and Murray. 2,724,662.
- Dranetz, Abraham I.: *See—*  
Howatt, Glenn N., and Dranetz. 2,714,708.
- Drapeau, Harold B., to The Dole Valve Co. 2,710,146, Cl. 236—34.
- Draper Corp., The: *See—*  
Allenson, George T. 2,703,587.
- Budzyrna, Walter J., and Rogers. 2,722,240.
- Cadorete, George, and Thatcher. 2,714,404.
- Clentimack, George E. 2,720,094.
- Consoletti, Paul C. 2,707,496.
- Consoletti, Paul C. 2,711,193.
- Croteau, Wilfrid. 2,723,687.
- Flamand, Maurice R. 2,703,590.
- Flamand, Maurice R. 2,705,508.
- Flamand, Maurice R. 2,710,631.
- Moon, Clifford G. 2,705,507.
- Moon, Clifford G. 2,720,225.
- Nichols, Edward C. 2,718,242.
- Nichols, Edward C. 2,727,539.
- Sanderson, Kenneth E. 2,707,977.
- Tinkham, Merton E. 2,707,006.
- Tuten, James M. 2,707,975.
- Villani, Antonio. 2,706,500.
- Draper, Donald R. 2,708,635, Cl. 99—169.
- Draper, James C., J. H. Plummer, and E. L. Clayton, to Glass Fibers, Inc. 2,704,734, Cl. 154—93.
- Draper, Paul H.: *See—*  
Hanson, Helmer C. 2,712,442.
- Drapin Corp.: *See—*  
Meyer, Gerson. 2,708,777.
- Draudt, Herbert T. 2,717,409, Cl. 15—369.
- Draughn, George W., 45% to E. V. Kardian. 2,718,654, Cl. 15—236.
- Dravo Corp.: *See—*  
Dorsey, Joseph W., Liebman, and Osbourne. 2,699,586.
- North, Henry W. 2,715,477.
- Draxler, Karl J. 2,723,891, Cl. 311—108.
- Dray, Walter R. 2,716,481, Cl. 198—195.
- Dreby, Edwin C., 3rd: *See—*  
Koons, Lloyd O., and Dreby. 2,702,737.
- Drechsel, Erhart K., to American Cyanamid Co. 2,701,246, Cl. 260—244.
- Drechsel, Erhart K., to American Cyanamid Co. 2,717,890, Cl. 260—96.5.
- Drechsel, Fred E., to I L G Electric Ventilating Co. 2,711,682, Cl. 98—43.
- Drefke, Anna M. 2,708,420, Cl. 119—48.
- Drefvelin, Henrik V. 2,722,063, Cl. 36—3.
- Dreher, Daniel, 1/2 to S. Manker and 1/2 to E. H. Linville. 2,707,365, Cl. 56—312.
- Dreher, Elmer H., and F. W. Schremp, to Remington Rand Inc. 2,707,545, Cl. 197—136.
- Dreier Brothers, Inc.: *See—*  
Dreier, Raymond C. 2,702,947.
- Dreier, Raymond C., to Dreier Brothers, Inc. 2,702,947, Cl. 33—214.
- Dreisbach, Robert H.: *See—*  
Martin, Norman F., and Dreisbach. 2,718,399.
- Dremel, Albert J., to Dremel Mfg. Co. 2,721,427, Cl. 51—170.
- Dremel, Albert J., to Dremel Mfg. Co. 2,721,587, Cl. 143—71.
- Dremel Mfg. Co.: *See—*  
Dremel, Albert J. 2,721,427.
- Dremel, Albert J. 2,721,587.
- Drennen, Matthew, to The Commercial Shearing & Stamping Co. 2,707,441, Cl. 103—126.
- Drese, Wilhelm: *See—*  
Meyer-Jagenberg, Gunther, Drese, and Welsch. 2,699,712.
- Dreshman, Roy H. 2,700,850, Cl. 49—50.
- Dreshman, Roy H. 2,702,968, Cl. 49—84.
- Dresios, Samuel C., and W. E. Briggs, to General Electric Co. 2,717,945, Cl. 201—63.
- Dressel, Henry M., to Stackpole Carbon Co. 2,709,727, Cl. 200—67.
- Dresser Equipment Co., Ideco Division: *See—*  
Bloss, Richard R., and Bennett. 2,707,093.
- Duncan, Daniel M. 2,704,653.
- Dresser Industries, Inc.: *See—*  
Bouvier, George A. 2,715,441.
- Hoke, Howard L. 2,711,753.
- Hoke, Howard L. 2,721,582.
- Marx, Paul F., and Dressler. 2,726,705.
- Newell, Frederick T., and Risley. 2,708,307.
- Pfefferle, George H., and Burns. 2,721,091.
- Rathman, Gilbert. 2,705,922.
- Risley, Roger E. 2,701,731.
- Risley, Roger E. 2,705,158.
- Risley, Roger E. 2,706,495.
- Risley, Roger E. 2,708,951.
- Risley, Roger E., and Hoke. 2,721,581.
- Risley, Roger E., and Marx. 2,708,123.
- Risley, Roger E., and Szekely. 2,701,730.
- Dresser, W. Robert, to The Vitarama Corp. 2,716,717, Cl. 314—21.
- Dresser, Willis R., to The Vitarama Corp. 2,711,668, Cl. 88—16.2.
- Dresser, Willis R., to The Vitarama Corp. 2,718,849, Cl. 101—379.
- Dressler, Le Roy L.: *See—*  
Marx, Paul F., and Dressler. 2,726,705.
- Drew, E. F., & Co. Inc.: *See—*  
Barsky, George. 2,705,722.
- Barsky, George. 2,715,642.
- Barsky, George. 2,728,706.
- Little, Lawrence L., and Chen. 2,727,007.
- Drew, Harold A.: *See—*  
Mills, Joseph A. W., Drew, and Chesmer. 2,724,865.
- Drew, Harry A., to Victor Industries Corp. 2,713,426, Cl. 214—1.
- Drew, John F., and J. J. Camenzind. 2,711,030, Cl. 33—137.
- Drew, Robert D., to Socony-Vacuum Oil Co., Inc. 2,705,216, Cl. 196—52.
- Drewitt, James G. N.: *See—*  
Downing, John, and Drewitt. 2,708,663.
- Downing, John, and Drewitt. 2,724,634.
- Downing, John, Hodge, and Drewitt. 2,721,112.
- Downing, John, Hodge, and Drewitt. 2,721,113.
- Downing, John, Hodge, and Drewitt. 2,721,114.
- Kowolik, Ernest J., Downing, and Drewitt. 2,706,185.
- Drexel, Charles F.: *See—*  
Breux, Darlton K., Chapman, and Drexel. 2,706,255.
- Drexler, Charles. 2,720,765, Cl. 64—30.
- Drey, Norman W. 2,710,688, Cl. 206—46.
- Dreyer, John F., Jr., to Telephonics Corp. 2,723,348, Cl. 250—40.
- Dreyfus, Eugene G. 2,723,617, Cl. 99—444.
- Dreyfus, Jean A. 2,702,369, Cl. 324—145.
- Dreyfus, Sylvain. 2,700,259, Cl. 51—281.
- Driebehaus, Herman W., to Goodman Mfg. Co. 2,707,627, Cl. 262—33.
- Driebehaus, Herman W., to Goodman Mfg. Co. 2,719,439, Cl. 74—687.
- Driebehaus, Herman W., to Goodman Mfg. Co. 2,721,733, Cl. 262—9.
- Drier, Roy W. 2,704,043, Cl. 114—43.5.
- Drieschman, Donald F.: *See—*  
Sorg, Harold E., Eaves, and Drieschman. 2,719,185.
- Drigenko, Constantine, and J. D. B. Phipps; said Phipps assor. to Floatex Separations Ltd. 2,723,030, Cl. 209—160.
- Drill, Ervin A. 2,718,680, Cl. 22—95.
- Drinkard, William E., and M. L. Carpentier, to Chrysler Corp. 2,722,203, Cl. 123—52.
- Drinker, Pemberton H.: *See—*  
Higgins, Stephen P., Jr., and Drinker. 2,724,398.
- Dripps, Clara R. 2,711,605, Cl. 41—5.
- Drisch, Nicolas, and R. Brepson, to Textile and Chemical Research Co. Ltd. 2,699,983, Cl. 18—54.
- Drisch, Nicolas, and P. Herrbach, to Textile & Chemical Research Co., Ltd. 2,705,184, Cl. 18—54.
- Drisch, Nicolas, and P. Herrbach, to Textile & Chemical Research Co. Ltd. 2,728,631, Cl. 18—54.
- Driscoll, William F. 2,717,069, Cl. 194—9.
- Driskel, Don W., and R. L. Hayman, to Haskel Engineering Associates. 2,713,328, Cl. 121—40.
- Driskell, Ernest B.: *See—*  
Taylor, James A., and Driskell. 2,715,847.
- Driskell, John C., to Tennessee Valley Authority. 2,713,536, Cl. 71—49.



- Drissner, Alfred E., to The National Acme Co. 2,728,414, Cl. 184—6.
- Driver, Garth E., to the United States of America as represented by the United States Atomic Energy Commission. 2,716,523, Cl. 235—92.
- Driver, George. 2,728,482, Cl. 220—22.
- Droeger, Carl C. 2,720,276, Cl. 181—46.
- Droel, Louis W., to Stromberg-Carlson Co. 2,701,283, Cl. 200—105.
- Drogin, Martin M., to General Plastics Corp. of America. Re. 24,067, Cl. 190—57.
- Droll, Joseph W. 2,717,782, Cl. 273—149.
- Droll, Joseph W., and E. G. Sandberg, to United Mattress Machinery Co. 2,706,814, Cl. 1—2.
- Drouet, Louis D.,  $\frac{1}{2}$  to S. M. Richmond. 2,722,596, Cl. 219—45.
- Droutman, Abraham, to Droutman Mfg. Co. 2,716,473, Cl. 190—49.
- Droutman Mfg. Co.: See—  
Droutman, Abraham. 2,716,473.
- Drow, Donald F., to Minneapolis-Honeywell Regulator Co. 2,715,437, Cl. 158—138.
- Drow, Donald F., to Minneapolis-Honeywell Regulator Co. 2,724,972, Cl. 74—2.
- Droz, Marcel E., R. L. Garman, and R. U. Nathe, to the United States of America as represented by the Secretary of the Navy. 2,710,722, Cl. 235—61.5.
- Droz, Marcel E., and R. L. Garman, to the United States of America as represented by the Secretary of the Navy. 2,715,497, Cl. 235—61.5.
- Drubig, Horst, J. Elsele, G. J. Strattnner, and G. Parow, to International Standard Electric Corp. 2,714,694, Cl. 317—234.
- Drude, John A.: See—  
Blanchette, Louis M., and Drude. 2,722,199.
- Drucek, Fred, Jr.: See—  
Ross, Valentine A., and Drucek. 2,728,154.
- Druey, Jean, to Ciba Pharmaceutical Products, Inc. 2,719,158, Cl. 260—286.
- Druey, Jean, and P. Schmidt, to Ciba Pharmaceutical Products, Inc. 2,706,197, Cl. 260—288.
- Drugmand, Lester D.: See—  
Boggs, Alben C., and Drugmand. 2,723,340.
- Druilhet, Ernest F. 2,703,187, Cl. 220—52.
- Drukker, John J.: See—  
Cubberly, Richard H., and Drukker. 2,728,734.
- Drumm, Elmer E. 2,702,337, Cl. 219—44.
- Drummond, Arthur P., to Niles-Bement-Pond Co. 2,724,975, Cl. 74—230.8.
- Drummond, Folsom E., to New Wrinkle, Inc. 2,725,363, Cl. 260—19.
- Drummond, Warren W.: See—  
Slayter, Games, and Drummond. 2,719,350.  
Slayter, Games, and Drummond. 2,719,352.
- Drummond, Warren W., to Owens-Corning Fiberglas Corp. 2,701,936, Cl. 49—17.
- Drummond, Warren W., to Owens-Corning Fiberglas Corp. 2,719,351, Cl. 28—21.
- Drummond, Warren W., and P. J. Frickert, to Owens-Corning Fiberglas Corp. 2,714,797, Cl. 57—2.
- Drummondville Cotton Co. Ltd.: See—  
Johnson, Roland. 2,711,116.
- Drumstick, Inc.: See—  
Lilja, Oscar G. 2,719,508.
- Drury, Carroll H.: See—  
Flanders, Ernest V., and Drury. 2,706,872.
- Drusovic, John. 2,698,448, Cl. 15—77.
- Druz, Walter S., to Zenith Radio Corp. 2,705,740, Cl. 178—5.1.
- Dryden, Ewing R., Jr.: See—  
Barnes, William C., Jr., and Dryden. 2,709,615.
- Drydyke, Eugene. 2,702,027, Cl. 123—25.
- Dry-O-Scent Co.: See—  
Robb, Wayne F. 2,717,727.
- Drysdale, Robert. 2,723,816, Cl. 248—29.
- Dualex Corp.: See—  
Durkee, James D. 2,724,479.
- Duaload Transportation Corp.: See—  
Dalglish, Herbert F. 2,723,862.
- Duane, Donald, to National Lead Co. 2,728,680, Cl. 106—15.
- Dubberley, Charles A.: See—  
Cooper, Kenneth K., and Dubberley. 2,726,032.
- Dube, Charles I. 2,718,039, Cl. 20—71.
- Dubied, Edouard, & Cie (Societe Anonyme): See—  
Seller, Fritz. 2,718,129.
- Dubied Machinery Co.: See—  
Hafner, Ernest. 2,709,906.  
Hafner, Ernest E. 2,711,091.  
Hafner, Ernest. 2,715,823.  
Hafner, Ernest E. 2,718,130.
- Dubiel, John A. 2,710,751, Cl. 268—119.
- Dubiller, William. 2,716,180, Cl. 219—19.
- Dubin, Maurice T. 2,700,229, Cl. 36—58.5.
- Dubner, Harry J. 2,715,733, Cl. 2—42.
- Du Bois, Arthur E., to Aluminum Products, Inc. 2,710,050, Cl. 155—119.
- Dubois, Lifey: See—  
Dartez, Otto, Dubois, and Hantz. 2,705,825.
- Du Bois, Philip H. 2,726,811, Cl. 235—61.6.
- Du Bois Plastics Products, Inc.: See—  
Bright, Roy A. 2,706,122.
- Du Bois, Robert C., to Minneapolis-Honeywell Regulator Co. 2,718,878, Cl. 121—48.
- Du Bois, Robert E. 2,702,332, Cl. 201—74.
- Du Bois, Robert E. 2,704,888, Cl. 30—244.
- DuBois, William H., to Bendix Aviation Corp. 2,706,018, Cl. 188—72.
- Du Boscq de Beaumont, Henry M. E., to Societe Nouvelle des Etablissements Brandt. 2,705,932, Cl. 113—35.
- DuBroff, Warren, and M. A. Pearlman. 2,715,197, Cl. 315—282.
- Dubsky, Arthur: See—  
Hübel, Emil. 2,713,255.
- Dubuar, Arthur S., and G. Riddell, to Bell Telephone Laboratories, Inc. 2,719,881, Cl. 179—18.
- Duby, Benjamin, to H. Wolff Book Mfg. Co. Inc. 2,711,703, Cl. 112—21.
- Ducharme, Victor, to Gelmart Knitting Mills, Inc. 2,701,458, Cl. 66—180.
- Duchess, Inc.: See—  
Rudolph, Edward A. 2,708,899.
- Duckitt, Harry: See—  
King, Kenneth G., and Duckitt. 2,700,125.
- Duckworth, Jessie H., and M. A. Goswick. 2,705,446, Cl. 97—47.62.
- Duda, Louis, Jr., to Lindberg Engineering Co. 2,708,704, Cl. 219—10.79.
- Dudding, Gordon R. 2,711,060, Cl. 51—258.
- Dudley, Arthur S. 2,718,845, Cl. 99—421.
- Dudley, Charles F.: See—  
Hunter, Melvin J., and Dudley. 2,728,736.
- Dudley, Everett H.: See—  
Aldrich, Max L. 2,707,277.
- Dudley, Harvey H.: See—  
Kindig, Guilford E., and Dudley. 2,721,506.
- Dudley, John C.: See—  
Brown, Warren D., Dudley, Flemming, and Sturtevant. 2,705,655.
- Dudley, Richard H., and R. L. Weeks, to Esso Research and Engineering Co. 2,726,997, Cl. 196—147.
- Dudley, Roy A. 2,708,018, Cl. 192—58.
- Dudra, Daniel. 2,706,282, Cl. 339—97.
- Duell, Edith B. 2,708,026, Cl. 206—42.
- Duell, Morgan V., to Buxton, Inc. 2,709,358, Cl. 70—456.
- Duell, Morgan V., to Scovill Mfg. Co. 2,717,434, Cl. 24—113.
- Duemler, Oliver E.: See—  
Krummel, Frederick J., and Duemler. 2,718,233.
- Duennebier, Frederick C.: See—  
Thirtle, John R., and Duennebier. 2,701,197.
- Dueringer, Erwin G.: See—  
Broberg, Leonard E., and Dueringer. 2,711,834.
- Dueringer, Erwin G., to A. O. Smith Corp. 2,703,069, Cl. 119—52.
- Dueringer, Erwin G., to A. O. Smith Corp. 2,704,995, Cl. 119—52.
- Dueringer, Erwin G., to A. O. Smith Corp. 2,718,970, Cl. 214—17.
- Dueringer, Walter E., to Bailey Meter Co. 2,728,039, Cl. 318—207.
- Duerkob, Manfred F. 2,721,917, Cl. 201—49.
- Duerksen, Arnold, to Super Mold Corp. of California. 2,717,022, Cl. 154—9.
- Duerr, Edgar. 2,699,136, Cl. 114—102.
- Duerr, Francis R., to Corhart Refractories Co. 2,705,851, Cl. 49—65.
- Duesberg, Henri H. M.: See—  
Duesberg, Hubert C. M. H. 2,711,562.
- Duesberg, Hubert C. M. H., to L. J. A. Duesberg and H. H. M. Duesberg. 2,711,562, Cl. 19—98.
- Duesberg, Leon J. A.: See—  
Duesberg, Hubert C. M. H. 2,711,562.
- Duesel, Bernard F., and H. Berman, to Nepera Chemical Co. Inc. 2,710,869, Cl. 260—294.9.
- Du-Fast, Inc.: See—  
Robins, Samuel D. 2,722,789.
- Duff, Jack E.: See—  
White, Harry E., Stahl, and Duff. 2,728,902.
- Duff, John M.: See—  
Compton, William H., Duff, and Smith. 2,716,859.
- Duff, Nehman R.: See—  
McFatrige, John H., and Duff. 2,718,182.  
McFatrige, John H., and Duff. 2,727,449.
- Duffell, Ralph W. 2,720,917, Cl. 158—57.
- Duffey, Charles R. 2,713,229, Cl. 43—103.
- Duffie, John. 2,711,909, Cl. 281—44.
- Duffin, George F.: See—  
Kendall, John D., and Duffin. 2,704,755.  
Kendall, John D., and Duffin. 2,704,762.  
Kendall, John D., and Duffin. 2,726,248.  
Kendall, John D., Duffin, and Lawrence. 2,705,713.
- Duffy, Dan W. 2,716,432, Cl. 150—1.5.
- Dufeld, Garth L., to Zenith Radio Corp. 2,719,963, Cl. 340—174.
- Dufort, Robert H.: See—  
Trotter, John C., and Dufort. 2,699,300.
- Dugan, Curtis S.: See—  
Siebengartner, George W., Dugan, and Humbert. 2,722,125.
- Dugan, Donald C.: See—  
Reinbolt, Dale J., and Dugan. 2,701,378.
- Duggan, Francis F., L. L. Burke, and L. H. Davidson, to Avco Mfg. Corp. 2,708,147, Cl. 312—111.
- Dugle, Thomas E.: See—  
Clutter, Carl E., Dugle, Field, and Foster. 2,723,507.
- Dugle, Thomas E., to Planet Products Corp. 2,711,299, Cl. 248—27.



- Du Grenier, Francis C., and F. B. Perri; said Perri assor. to B. E. Bouchard. 2,726,749, Cl. 194—54.
- Duhamel, Jay W., and H. R. Daily, to Sun Oil Co. 2,704,455, Cl. 73—432.
- Du Hamel, Raymond H., to Radio Corp. of America. 2,706,780, Cl. 250—33.53.
- Du Heaume, Francis H., to Henry Simon Ltd. 2,726,076, Cl. 265—27.
- Duhon, Norbert C., to A. Dominique. 2,721,256, Cl. 240—10.1.
- Duke, Basil: *See—*  
Stephenson, Isaac L. 2,713,326.
- Duke, Harvie J., to Monroe Calculating Machine Co. 2,725,969, Cl. 197—160.
- Duke, James A. 2,699,281, Cl. 226—76.
- Duke, James A., to Rite Pack Co. 2,725,178, Cl. 229—51.
- Duke, James B., to Minerals & Chemicals Corp. of America. 2,706,559, Cl. 209—166.
- Duke, James B., and H. W. Breathitt, to Minerals & Chemicals Corp. of America. 2,701,640, Cl. 209—166.
- Duke, John W., Jr. 2,719,756, Cl. 301—5.
- Duke, Marshall, F. Fortess, and C. Hohing, Jr., to Celanese Corp. of America. 2,727,860, Cl. 252—8.8.
- Duke, Stephen M. 2,712,077, Cl. 250—41.9.
- Duke, Vernon J., to Radio Corp. of America. 2,717,931, Cl. 179—171.
- Dukelow, Charles H. 2,717,690, Cl. 198—211.
- Dulany, John H., & Son, Inc.: *See—*  
Pearson, Alexander S. 2,719,030.
- Dulberg, Murray. 2,710,614, Cl. 132—79.
- Dulberg, Murray. 2,726,760, Cl. 206—56.
- Dull, Thomas J.: *See—*  
Greeno, John R. and Dull. 2,708,461.
- Dulle, William J. 2,702,176, Cl. 248—323.
- Dulmage, George A. 2,710,231, Cl. 302—38.
- Dum, Ivan W. 2,714,234, Cl. 20—57.5.
- Du Mals, Leo J., to Da-Lite Screen Co., Inc. 2,708,559, Cl. 248—171.
- Duman, Louis R.: *See—*  
Epstein, Hirsch. 2,704,801.  
Epstein, Hirsch. 2,725,616.
- Dumas, Edward E., to Western Electric Co., Inc. 2,713,439, Cl. 218—47.
- Dumelin, Charles. 2,698,947, Cl. 3—27.
- Du Mont, Allen B., Laboratories, Inc.: *See—*  
Amos, Bernard, and De Falco. 2,699,497.  
Beckers, Albert E. 2,723,361.  
Beste, Harold E. 2,712,606.  
Beste, Harold E. 2,717,959.  
Campbell, Richard L. 2,715,681.  
Casey, Robert F. 2,708,240.  
De Bell, John M., Jr. 2,716,219.  
Felt, David C. 2,703,826.  
Fulmer, Norman C. 2,727,941.  
Hoagland, Kenneth A. 2,719,243.  
Hulst, George D. 2,701,275.  
Hulst, George D. 2,701,310.  
Hulst, George D. 2,708,728.  
Hylas, Albert E. 2,725,536.  
Leighton, Herndon W. 2,719,956.  
Mansberg, Hyman P. 2,709,050.  
Meyerhoff, Albert J., and Heinis. 2,725,516.  
Palmer, Richard C. 2,701,851.  
Reid, James H. 2,725,510.  
Ruston, John. 2,724,089.  
Sanford, Emil E. 2,721,261.  
Schmidt, Fred W., Jr. 2,704,352.  
Schmidt, Fred W., Jr. 2,709,219.  
Schmidt, Fred W., Jr. 2,709,788.  
Schmidt, Fred W., Jr. 2,721,260.  
Slate, Matthew W. 2,727,148.  
Slate, Matthew W., and Mannerberg. 2,719,918.  
Thompson, Roger D. 2,719,955.  
Tyminski, Walter V. 2,722,662.  
Van Duyne, John P. 2,728,052.  
Winter, David F. 2,702,158.
- Dumoulin, Louis J.: *See—*  
Peyrot, Pierre P., and Dumoulin. 2,707,179.
- Dumousseau, Claude: *See—*  
Touraton, Emile, Dumousseau, and Zwobada. 2,717,327.
- Dumur, Marc, to Giovanola Freres S. A. 2,724,343, Cl. 104—205.
- Dunaway, James H.: *See—*  
Heintz, Karl O., Dunaway, and Chernosky. 2,718,707.  
Mounce, Whitman D., Dunaway, and Terry. 2,725,283.
- Dunbar, Allen S., to the United States of America as represented by the Secretary of War. 2,721,940, Cl. 250—33.63.
- Dunbar, James Y., W. Schubert, and N. R. Hussey. 2,709,891, Cl. 60—35.6.
- Duncan, Angus W., to The Mining Engineering Co. Ltd. Re. 24,052, Cl. 198—204.
- Duncan & Bayley, Inc.: *See—*  
Duncan, John E. 2,712,371.
- Duncan, Cecile M.: *See—*  
Duncan, Morris C. 2,702,836.
- Duncan, Charles R., to American Forging & Socket Co. 2,723,711, Cl. 155—14.
- Duncan, Daniel M., to Dresser Equipment Co., Ideco Division. 2,704,653, Cl. 255—19.
- Duncan Electric Mfg. Co.: *See—*  
Coleman, Orville K. 2,701,859.  
Paine, Louis A. 2,701,411.
- Duncan, Forrest R.,  $\frac{3}{18}$  to R. A. Jarnagin,  $\frac{5}{18}$  to V. H. Moore, and  $\frac{9}{18}$  to W. K. Prater. 2,722,964, Cl. 154—42.
- Duncan Foundry and Machine Works, Inc.: *See—*  
Duncan, Samuel W. 2,726,429.
- Duncan, George R., to Zero Mfg. Co. 2,702,019, Cl. 119—14.09.
- Duncan, Gordon W., W. E. Lifson, and J. P. Haworth, to Esso Research and Engineering Co. 2,706,677, Cl. 44—71.
- Duncan, J. Edgar: *See—*  
Daukus, John F. 2,701,014.
- Duncan, John E., to Duncan & Bayley, Inc. 2,712,371, Cl. 192—21.5.
- Duncan, Lee H. 2,699,563, Cl. 15—119.
- Duncan, Morris C., 35% to C. M. Duncan, 15% to N. L. Duncan, and 15% to J. D. Norton. 2,702,836, Cl. 179—148.
- Duncan, Norman L.: *See—*  
Duncan, Morris C. 2,702,836.
- Duncan, Paul K. 2,710,674, Cl. 185—37.
- Duncan, Richard A., to Hawaiian Development Co. Ltd. 2,724,228, Cl. 56—17.
- Duncan, Robert D., to Canadian International Paper Co. 2,722,164, Cl. 92—44.
- Duncan, Robert S., and H. A. Stone, Jr., to Bell Telephone Laboratories, Inc. 2,722,664, Cl. 336—133.
- Duncan, Samuel W., to Duncan Foundry and Machine Works, Inc. 2,726,429, Cl. 22—48.
- Duncan, Sandford W. 2,720,697, Cl. 30—47.
- Duncan, Thomas W., to Seeger Refrigerator Co. 2,701,450, Cl. 62—4.
- Duncan, Thomas W., to Seeger Refrigerator Co. 2,714,293, Cl. 62—4.
- Dundon, George S.: *See—*  
Young, Richard V., and Dundon. 2,710,815.
- Dunford, Thomas A.: *See—*  
Catford, Adrien L., and Dunford. 2,715,831.
- Dungler, Julien. 2,700,226, Cl. 34—160.
- Dunham, C. A., Co.: *See—*  
Powell, Ellis G. 2,715,003.
- Dunham, Carl M. 2,726,087, Cl. 273—130.
- Dunham, Carol M.: *See—*  
Sutton, Ernest B., and Dunham. 2,712,878.
- Dunham, George W., to Savage Arms Corp. 2,727,264, Cl. 15—79.
- Dunham, George W., to Savage Arms Corp. 2,727,265, Cl. 15—79.
- Dunham, Raymond E., J. E. Sigler, and P. Oetjen. 2,713,760, Cl. 51—221.
- Dunigan, Francis P., to Machinery Electrification, Inc. 2,722,648, Cl. 318—476.
- Dunkle, Robert V.: *See—*  
Gier, Joseph T., Dunkle, and Brooks. 2,707,881.
- Dunlap, George S. 2,709,905, Cl. 65—53.
- Dunlap, Kermit S., to Bell Telephone Laboratories, Inc. 2,713,617, Cl. 179—81.
- Dunlap, Kermit S., and C. A. Lovell, to Bell Telephone Laboratories, Inc. 2,715,658, Cl. 179—27.
- Dunlap, Ollen L. 2,711,135, Cl. 103—38.
- Dunlap, William C., Jr., to General Electric Co. 2,724,077, Cl. 317—235.
- Dunlap, William C., Jr., to General Electric Co. 2,725,504, Cl. 317—235.
- Dunlap, William C., Jr., to General Electric Co. 2,726,312, Cl. 219—20.
- Dunlop, Adam: *See—*  
Gresham, Harold E., Dunlop, and Wheeler. 2,712,498.
- Dunlop Rubber Co. Ltd.: *See—*  
Butler, Henry J. 2,728,421.  
Dewar, Douglas, and Mortimer. 2,723,090.  
Gray, Thomas E. H., and Jones-Hinton. 2,719,324.  
Hardeman, William E., Fletcher, Wilson, and Barlow. 2,722,389.  
Jones, Frederick A. 2,718,536.  
Madge, Evelyn W., Purkis, Ward, and Wesley. 2,707,305.  
Seddon, Robert M., and Brambani. 2,708,112.  
Trevaskis, Henry W. 2,724,565.  
Trevaskis, Henry W., Ravenhall, and Dewar. 2,712,272.  
Trevaskis, Henry W., and Wilkins. 2,724,408.  
Wright, Joseph, and Butler. 2,728,420.
- Dunlop Tire and Rubber Corp.: *See—*  
Anderson, John. 2,706,514.  
Crabbe, John D., and Holroyd. 2,708,228.  
Gurney, William A. 2,706,166.  
Holroyd, Eric, and Bailey. 2,719,991.  
Holroyd, Eric, and Jenkins. 2,723,330.
- Dunmire, Russell P. 2,709,149, Cl. 167—81.
- Dunmire, Russell P. 2,724,689, Cl. 204—167.
- Dunn, Alfred W., deceased; B. K. Dunn, executrix,  $\frac{1}{2}$  to C. Shepard and  $\frac{1}{2}$  to B. K. Dunn. 2,727,258, Cl. 12—7.5.
- Dunn, Bessie K.: *See—*  
Dunn, Alfred W. 2,727,258.
- Dunn, Cecil G., to General Electric Co. 2,700,006, Cl. 148—12.5.
- Dunn, Edgar A. 2,706,463, Cl. 116—70.
- Dunn, Frank. 2,712,144, Cl. 15—151.
- Dunn, George E., to Universal Products Co., Inc. 2,722,115, Cl. 64—8.
- Dunn, Gilbert M. 2,718,874, Cl. 119—51.
- Dunn, Harold G., to The Hoover Co. 2,708,246, Cl. 310—235.
- Dunn, Irene. 2,698,946, Cl. 2—308.
- Dunn, James H., to Ethyl Corp. 2,705,731, Cl. 260—648.
- Dunn, James H., S. N. Hall, L. A. Miller, and C. M. Neher, to Ethyl Corp. 2,706,172, Cl. 204—163.



- Dunn, Jesse T., to Union Carbide and Carbon Corp. 2,717,897, Cl. 260—290.
- Dunn, Leigh E.: *See*—  
Northrop, John K., Brosterhouse, Dunn, Ellison, and Herman. 2,724,966.
- Dunn, Ted E., to the United States of America as represented by the Secretary of the Navy. 2,724,828, Cl. 343—14.
- Dunn, Ted E., to Radio Corp. of America. 2,726,383, Cl. 343—14.
- Dunn, Virgil. 2,718,726, Cl. 46—3.
- Dunn, Walter H., and C. C. Wissman, to Solar Aircraft Co. 2,712,165, Cl. 22—192.
- Dunn, William T.: *See*—  
Quistgaard, Erik V., and Dunn. 2,726,748.
- Dunnet, Wallace J., to Westinghouse Electric Corp. 2,725,549, Cl. 340—172.
- Dunnican, George W., and A. H. Gempf, to Lehn & Fink Products Corp. 2,728,510, Cl. 226—22.
- Dunnican, Ward G., to Becton, Dickinson and Co. 2,711,171, Cl. 128—218.
- Dunning, Leighton, to William M. Wilson's Sons, Inc. 2,705,459, Cl. 103—136.
- Dunning, Luther T. 2,727,486, Cl. 114—67.
- Dunning, Robert M., to Waldorf Paper Products Co. 2,706,594, Cl. 229—44.
- Dunseith, Fred H. M. 2,704,212, Cl. 273—180.
- Dunton, Chauncey E. 2,727,328, Cl. 43—12.
- Dunz, Jean, to Compagnie De Pont-A-Mousson. 2,726,742, Cl. 188—264.
- Duoseal Co., Inc.: *See*—  
Carter, Samuel C. 2,710,017.
- Dupas, Robert: *See*—  
Binovic, Kurt, and Dupas. 2,725,345.
- Dupin, Eugene A. 2,717,032, Cl. 158—132.
- Duplan Corp., The: *See*—  
Cochran, John K. 2,720,075.  
Friedlander, George. 2,705,411.
- Duplantis, Harry J. 2,711,046, Cl. 43—20.
- Duplessis, René E., to United Shoe Machinery Corp. 2,712,663, Cl. 12—97.
- Duplessis, René E., to United Shoe Machinery Corp. 2,714,216, Cl. 12—12.4.
- Duplex Electric Co., Inc.: *See*—  
Ellithorpe, Clarence D. 2,700,433.
- Du Pont Co. of Canada Ltd.: *See*—  
Brockman, Francis J., and Allenby. 2,715,590.  
Jones, Elwyn D. 2,707,198.  
Morf, Max. 2,726,171.
- Du Pont, E. I., de Nemours and Co.: *See*—  
Aarons, Ralph, and Wilson. 2,723,212.  
Albisetti, Charles J., Jr., and Hogsed. 2,728,785.  
Alderson, Witty L., Jr., and Maynard. 2,728,637.  
Anderson, Arthur W. 2,711,405.  
Anderson, Arthur W., and Merckling. 2,721,189.  
Arimoto, Fred S. 2,720,448.  
Arimoto, Fred S. 2,720,449.  
Arnett, Lyda M., Jr., Betchtold, and Benson. 2,728,732.  
Arnold, Harold W., and Monet. 2,721,171.  
Arnold, Herrick R., and Carnahan. 2,702,232.  
Arnold, Herrick R., and Herrick. 2,726,218.  
Bateman, Alva W. 2,702,580.  
Balon, Walter J., and Stallmann. 2,726,252.  
Banigan, Thomas F. 2,719,100.  
Baum, Arthur A. 2,704,286.  
Baum, Arthur A., and Sanders. 2,700,043.  
Baum, Arthur A., and Sanders. 2,713,054.  
Baum, Arthur A., and Sanders. 2,713,055.  
Beck, Theodore R. 2,706,169.  
Belasco, Irvin J., and Walker. 2,718,467.  
Benning, Anthony F., and Hill. 2,720,498.  
Blume, Roe C. 2,705,710.  
Bolton, Duncan G. 2,707,018.  
Boyd, George H., and Hayek. 2,723,246.  
Boyd, Samuel N., Jr. 2,701,801.  
Boyd, Samuel N., Jr. 2,701,802.  
Boyd, Samuel N., Jr. 2,716,655.  
Brace, Neal O. 2,719,074.  
Bristol, John E. 2,700,035.  
Bruner, Walter M. 2,711,961.  
Busse, Warren F., and Smook. 2,723,255.  
Calhoun, James J., and Cook. Re. 23,977.  
Caraher, William F. 2,706,593.  
Caraher, William F. 2,708,066.  
Carboni, Rudolph A. 2,719,861.  
Carnahan, James E., and Hill. 2,700,679.  
Catlin, Willard E., and Howk. 2,728,751.  
Caverly, Waldo R. 2,720,540.  
Coffman, Donald D., and Farlow. 2,728,777.  
Cole, Paul M. 2,713,784.  
Conwell, Yeates, Busse, and Caracciolo. 2,698,463.  
Copelin, Harry B. 2,710,788.  
Copelin, Harry B. 2,715,137.  
Corneil, Ernest R. 2,712,384.  
Couper, Monroe, and Wilkinson. 2,709,163.  
Crandall, John L. 2,722,512.  
Crane, George B. 2,715,138.  
Cupery, Harold E., Searle, and Todd. 2,705,195.  
Cupery, Martin E. 2,723,971.  
Cupery, Martin E., and Funderburk. 2,702,278.  
Cupery, Martin E., and Sauer. 2,720,511.  
Danby, Spencer, Jr., Ellett, Guess, and Williams. 2,713,698.  
Davis, Clyde O., Lewis, and Noddin. 2,726,602.  
Deinet, Joseph. 2,719,838—2,719,842.
- Du Pont, E. I., de Nemours and Co.: *See*—Continued.  
Denison, Mortimer C., and Whitman. 2,711,686.  
Dietrich, Melvin A., and Jacobson. 2,709,694.  
Dietrich, Melvin A., and Smith. 2,710,846.  
Dirnberger, Lawrence A. 2,703,314.  
Donaruma, Lorraine G., and Huber. 2,702,801.  
Douglass, John J. 2,725,597.  
Edwards, Walter M., and Robinson. 2,710,853.  
Engelhardt, Vaughn A., and Peterson. 2,716,633.  
Farlow, Mark W. 2,709,182.  
Farlow, Mark W. 2,709,192.  
Farlow, Mark W., and Joyce. 2,709,183.  
Farlow, Mark W., and Muetterties. 2,709,186.  
Farlow, Mark W., and Muetterties. 2,709,187—2,709,191.  
Farlow, Mark W., and Muetterties. 2,722,559.  
Farlow, Mark W., and Muetterties. 2,725,410.  
Fawcett, Frank S. 2,714,583.  
Fay, Robert E., Jr. 2,717,220.  
Friedrich, Martin E. 2,720,541.  
Friel, Daniel D., and Jackson. 2,721,942.  
Funderburk, George O., and Hurka. 2,702,279.  
Gerjovich, Henry J. 2,728,654.  
Goldbeck, Martin, Jr., and Johnson. 2,703,331.  
Golding, David R. V., and Richards. 2,710,822.  
Graham, Boynton, and Piccard. 2,715,588.  
Graham, Boynton, and Piccard. 2,715,591.  
Graham, Peter J. 2,705,727.  
Graham, Peter J. 2,709,175.  
Green, Duane L., and Hare. 2,699,433.  
Green, Larry Q. 2,702,276.  
Gregory, Walter A. 2,726,264.  
Gregory, Walter A. 2,726,265.  
Gresham, William F., and Naylor. 2,712,543.  
Griffith, Andrew S., Jr. 2,702,184.  
Hackney, Donald E. 2,722,323.  
Hall, Luther A. R. 2,719,131.  
Hamblet, Clement H., and Gee. 2,713,067.  
Hannum, Chester W. 2,727,888.  
Hansley, Virgil L. 2,710,798.  
Harris, John F., Jr. 2,719,170.  
Harrison, John R. 2,728,695.  
Haslam, John H. 2,708,203.  
Haslam, John H. 2,708,205.  
Haslam, John H. 2,719,863.  
Haven, Alfred C., Jr. 2,716,639.  
Hayek, Mason. 2,723,256.  
Hermann, Edward C. 2,714,111.  
Herrick, Elbert C., and Todd. 2,723,972.  
Herrick, Elbert C., and Todd. 2,723,973.  
Hiatt, Richard R. 2,719,871.  
Hicks, Elija M., Jr. 2,726,134.  
Hill, Frederick B., Jr. 2,726,219.  
Hines, Roger A. 2,709,195.  
Hochberg, Jerome. 2,710,266.  
Hofrichter, Charles H., Jr. 2,711,996.  
Hogsed, Milton J. 2,714,621.  
Hubbard, James K. 2,726,217.  
Huber, Melvin L. 2,721,199.  
Hyson, Archibald M. 2,710,302.  
Iannarone, Joseph J., Jr. 2,700,589.  
Iler, Ralph K. 2,705,700.  
Iler, Ralph K. 2,721,812.  
Iler, Ralph K. 2,726,961.  
Iler, Ralph K. 2,727,008.  
Iler, Ralph K. 2,727,876.  
Iler, Ralph K. 2,728,740.  
Jackson, Harold L. 2,722,538.  
Jarboe, Charles H. 2,700,028.  
Jenner, Edward L. 2,700,051.  
Joyce, Robert M., Jr., and Roland. 2,723,244.  
Kahn, Lester R. 2,708,029.  
Kalb, George H. 2,719,171.  
Knox, Kenneth L. 2,718,666.  
Kraus, Philip B. 2,718,279.  
Krchma, Ignace J. 2,701,180.  
Krespan, Carl G. 2,717,261.  
Kreuchunas, Algird. 2,719,854.  
La Berge, Robert W. 2,705,702.  
Lake, Donald B. 2,723,979.  
Langsdorf, William P., Jr., and Naylor. 2,709,709.  
Larson, Oleta S. 2,727,803.  
Latour, Theodore R. 2,716,049.  
Lubs, Herbert A., and Sartori. 2,720,528.  
Libby, James W., Jr., and Krahler. 2,700,046.  
Lontz, John F. 2,718,452.  
Loving, Frank A., Jr. 2,704,978.  
Magat, Eugene E., and Strachan. 2,708,617.  
Marks, Franklin J. 2,716,081.  
Martin, Elmore L. 2,716,132.  
Maynard, John T. 2,707,180.  
McAlevy, Ambrose. 2,723,257.  
McClellan, William R. 2,716,093.  
McKinley, Theodore D. 2,707,149.  
McKinney, Robert M. 2,701,179.  
Middleton, William J. 2,721,206.  
Middleton, William J. 2,726,249.  
Miller, Albert J., and Thompson. 2,723,857.  
Miller, Henry C. 2,708,639.  
Milligan, Thomas J. 2,714,940.  
Mochel, Walter E. 2,728,668.  
Mojé, William. 2,712,493.  
Mooney, Thomas J. 2,710,883.  
Morehead, Beachley A. 2,719,090.  
Moses, Douglas V. 2,716,598.



Du Pont, E. I., de Nemours and Co.: *See*—Continued.

Muetterties, Earl L. 2,709,184.  
 Muettterties, Earl L. 2,709,185.  
 Naylor, Marcus A., Jr. 2,703,793.  
 Nester, Ralph G. 2,712,520.  
 Newnam, James A. 2,699,592.  
 Noddin, George A., and Spaeth. 2,717,204.  
 Noddin, George A., and Swanson. 2,707,437.  
 O'Connell, William G. 2,716,614.  
 Olson, Earl H. 2,719,073.  
 Osdal, Le Verne K. 2,703,765.  
 Parnell, Norma E. 2,726,955.  
 Parsons, Theophilus. 2,706,205.  
 Perry, Luther C., McKane, and Moses. 2,699,384.  
 Piroué, Robert P. 2,726,266.  
 Porter, Hardin K. 2,714,612.  
 Pryde, Everett H. 2,715,057.  
 Punderson, John O. 2,700,057.  
 Raasch, Maynard S. 2,707,681.  
 Reynolds, Richard J. 2,725,373.  
 Rick, Christian E. 2,721,626.  
 Rodman, Ernest A. 2,723,935.  
 Rodman, Ernest A. 2,725,309.  
 Roedel, Milton J. 2,703,794.  
 Rothrock, George M. 2,706,674.  
 Roussel, Philip A. 2,721,187.  
 Rudy, Dennis D. 2,723,227.  
 Rugg, John S. 2,702,797.  
 Ryker, Truman C., and Wolf. 2,709,648.  
 Saner, William R. 2,717,834.  
 Saner, William R. 2,717,887.  
 Sartori, Mario F. 2,700,044.  
 Sartori, Mario F. 2,702,296.  
 Sartori, Mario F. 2,713,056.  
 Sartori, Mario F. 2,715,630.  
 Sartori, Mario F. 2,715,632.  
 Saum, Arthur M. 2,705,650.  
 Schmidt, Edgar H. 2,714,336.  
 Schneider, Allan K. 2,703,316.  
 Schulz, William E. 2,719,153.  
 Schwander, Hans R. 2,719,146.  
 Schwartz, Harold G. 2,713,884.  
 Schweitzer, Francis E. 2,719,132.  
 Searle, Norman E. 2,704,245.  
 Searle, Norman E. 2,706,158.  
 Searle, Norman E. 2,719,865.  
 Seney, John S. 2,702,948.  
 Seney, John S. 2,703,386.  
 Severn, Douglas K. 2,707,667.  
 Shacklett, Comer D. 2,720,468.  
 Shamp, John E. 2,702,282.  
 Sorenson, Ben E. 2,705,704.  
 Skiles, Benjamin F. 2,716,142.  
 Skiles, Benjamin F. 2,716,143.  
 Smith, James S. 2,716,082.  
 Speck, Stanley B. 2,722,524.  
 Sroog, Cyrus E. 2,728,790.  
 Stallmann, Otto. 2,706,203.  
 Stallmann, Otto. 2,723,265.  
 Stamatoff, Gelu S. 2,704,282.  
 Stamatoff, Gelu S. 2,705,227.  
 Stiles, Alvin B. 2,726,931.  
 Strain, Daniel E., and Crim. 2,711,986.  
 Strub, René A. 2,698,576.  
 Sullivan, David J. 2,717,217.  
 Swan, Lewis D. 2,706,845.  
 Todd, Charles W. 2,723,192.  
 Todd, Charles W. 2,723,193.  
 Ulich, Lynne H. 2,726,242.  
 Umberger, Jacob Q. 2,699,994.  
 Upson, Robert W. 2,726,232.  
 Van Ness, Robert T. 2,720,501.  
 Vick Roy, Thomas R. 2,722,838.  
 Vincent, John R. 2,727,879.  
 Vining, William H. 2,715,140.  
 Vodonik, Joseph L. 2,727,882.  
 Voytilla, Joe E. 2,709,139.  
 Waldron, William R., and Franklin. 2,728,788.  
 Wallace, John G. 2,720,440.  
 Wallace, John G. 2,720,441.  
 Watson, Frederick K., and Ludlow. 2,714,097.  
 Watson, Frederick K., Ludlow, and Kateley. 2,714,075.  
 Webber, Thomas G. 2,727,825.  
 Weinmayr, Viktor. 2,714,614.  
 Wernlund, Christian J. 2,701,234.  
 Werntz, James H. 2,722,481.  
 Wiest, Emil G., and Balon. 2,709,696.  
 Willett, Albert V., Jr., and Pallthorp. 2,716,646.  
 Winberg, Hilmer E. 2,705,228.  
 Wirth, Walter V., and Krahler. 2,700,053.  
 Wolter, Frederick J. 2,726,150.  
 Wolinski, Leon E. 2,715,075.  
 Wolinski, Leon E. 2,715,076.  
 Wolinski, Leon E. 2,715,077.  
 Young, James H. 2,706,178.  
 Zwilmeyer, Frithjof. 2,715,629.  
 Du Pont, Francis G.: *See*—  
 Aitken, William H., Brown, and du Pont. 2,722,157.  
 Dupont, Harry B. 2,726,897, Cl. 299—141.  
 Dupont, Paul, to Societe Anonyme des Manufactures des  
 Glaces et Produits Chimiques de Saint-Gobain, Chauny &  
 Cirey. 2,712,494, Cl. 23—203.  
 Du Pont, Stephen, to Doman Helicopters, Inc. 2,715,325,  
 Cl. 64—21.

Duppstadt, Jay R., to Bell Aircraft Corp. 2,710,047, Cl.  
 155—5.  
 Dupre, Henry P.: *See*—  
 Matthyse, Irving F., and Dupre. 2,705,745.  
 Dupre, Henry P., and J. Rogoff, to Burndy Engineering Co.,  
 Inc. 2,710,384, Cl. 339—45.  
 Dupre, Roland E. 2,728,897, Cl. 339—164.  
 Dupure, Ford J. 2,707,396, Cl. 73—326.  
 Du Puy, Charles T., and E. W. Hahle, to Trimble, Inc.  
 2,720,402, Cl. 280—41.  
 Dupuy, Guillaume M. 2,727,528, Cl. 137—454.2.  
 Dupy, Olin L. 2,706,752, Cl. 179—100.2.  
 Duquenne, Jean. 2,701,956, Cl. 68—16.  
 Durabla Mfg. Co.: *See*—  
 Blackford, Raymond H. 2,727,531.  
 Blackford, Raymond H., von Kokeritz, and Schwaller.  
 2,710,023.  
 Dura-Crates, Inc.: *See*—  
 Schmied, Joseph M. 2,722,684.  
 Durafencing Ltd.: *See*—  
 Wakefield, Joseph A. 2,705,509.  
 Wakefield, Joseph A. 2,705,600.  
 Duraflex Corp., The: *See*—  
 Smith, Charles E. 2,699,828.  
 Dur-Al Co., Inc.: *See*—  
 André, Robert K. 2,708,015.  
 Duralite Co., Inc.: *See*—  
 Lesser, Bertrand R. 2,719,573.  
 Durand, Adrien E. 2,711,112, Cl. 81—185.  
 Durand & Huguenin A. G.: *See*—  
 Brentano, Willy. 2,706,199.  
 Oppiger, Walter. 2,705,717.  
 Durand, Yves. 2,700,499, Cl. 229—28.  
 Durang, Edwin F., G. E. Fiedler, and S. G. Margles, to Otis  
 Elevator Co. 2,708,997, Cl. 198—16.  
 Durant, Lyndon A., to General Patent Corp. 2,707,637,  
 Cl. 273—86.  
 Durant, Lyndon A., and M. P. Wolverton, to General Patent  
 Corp. 2,724,024, Cl. 200—11.  
 Duratube & Wire Ltd.: *See*—  
 Veit, Julius. 2,723,424.  
 Durex, S. A.: *See*—  
 Lang, Heinrich. 2,716,969.  
 Durham, Robert N.: *See*—  
 Chedister, Conkling, Durham, and Finnegan. 2,715,783.  
 Durham Mfg. Corp.: *See*—  
 Schlaak, Ervin. 2,709,482.  
 Duriron Co., Inc., The: *See*—  
 Schenck, Robert C. 2,713,987.  
 Sinkler, Deas. 2,728,550.  
 Durkee, Clarence L., to D. J. Murray Mfg. Co. 2,712,904,  
 Cl. 241—92.  
 Durkee, Frederick H. 2,704,907, Cl. 45—28.  
 Durkee, James D., to Dualox Corp. 2,724,479, Cl. 197—68.  
 Durkee, Maurice M., to A. E. Staley Mfg. Co. 2,701,810, Cl.  
 260—425.  
 Durland, Orie L.: *See*—  
 Lindeman, Jesse G., Heint, Krehbiel, and Durland.  
 2,713,298.  
 Durnford, Walter R.: *See*—  
 Gray, Ornburn, and Durnford. 2,699,946.  
 Duro Co., The: *See*—  
 Wolfe, H. Hix. 2,710,018.  
 Duro Engineering Co.: *See*—  
 Gosch, Winkler C. 2,725,449.  
 Duro Metal Products Co.: *See*—  
 Hess, Theophil A. 2,704,463.  
 Du Rocher, Gideon A., to Essex Wire Corp. 2,727,200, Cl.  
 318—297.  
 Duron, Gilbert F. 2,725,082, Cl. 143—17.  
 Du Rose, Arthur H., to The Harshaw Chemical Co. 2,721,836,  
 Cl. 204—45.  
 Duro-Test Corp.: *See*—  
 Cox, James L. 2,710,270.  
 Cox, James L., and Sharkey. 2,699,514.  
 Durst, George, to Metals & Controls Corp. 2,700,907, Cl.  
 78—90.  
 Durst, George, to Metals & Controls Corp. 2,709,142, Cl.  
 134—9.  
 Durst, George, to Metals and Controls Corp. 2,713,011, Cl.  
 134—15.  
 Durst, Jack R., and H. A. Pace, to The Goodyear Tire &  
 Rubber Co. 2,706,311, Cl. 18—48.  
 Durst, Kenneth R., to The B. F. Goodrich Co. 2,707,508,  
 Cl. 151—68.  
 Durst, Paul H., and R. D. Johnson, to General Electric Co.  
 2,719,545, Cl. 140—71.6.  
 Durst, Robert F., G. C. Florio, and D. W. Black, to Interna-  
 tional Telephone and Telegraph Corp. 2,724,078, Cl.  
 317—241.  
 Duschinsky, Robert, to Hoffmann-La Roche Inc. 2,707,186,  
 Cl. 260—309.6.  
 Duschinsky, Robert. 2,724,710, Cl. 260—250.  
 Duschinsky, Robert, and M. Schmall, to Hoffmann-La Roche  
 Inc. 2,706,732, Cl. 260—343.6.  
 Du Shane, Wallace H., and V. L. Rugen, to Deere Mfg. Co.  
 2,710,546, Cl. 74—360.  
 Dusing & Hunt, Inc.: *See*—  
 Dusing, Leon F., and Saino. 2,717,062.  
 Dusing, Leon F., and F. H. Saino; said Dusing assor. to Dusing  
 & Hunt, Inc., and said Saino assor. to F. H. Saino Mfg. Co.  
 2,717,062, Cl. 189—46.  
 Duskey, Edmund L.: *See*—  
 Zimmer, Myron J., and Duskey. 2,702,046.



- Dussault, Marcel A., ½ to F. S. Kozimor. 2,710,233, Cl. 304—40.
- Dustin, Howard M., to Marchant Calculators, Inc. 2,702,668, Cl. 235—79.
- Dustman, William S.: *See*—  
Riley, Joseph J., and Dustman. 2,715,698.
- Dutrey, André, to Société Nouvelle des Etablissements Brandt. 2,727,465, Cl. 103—4.
- Dutro, Lyle V.: *See*—  
Hammer, Marvin H., Dutro, and Hewson. 2,721,737.
- Dutterer, Rex J. L.: *See*—  
Johnson, Stephen I., Dutterer, and Hein. 2,712,685.
- Dutton, Floyd E. 2,716,302, Cl. 43—57.5.
- Dutton, Herbert J.: *See*—  
Jones, Edwin P., Dutton, and Cowan. 2,718,468.  
Scholfield, Charles R., and Dutton. 2,727,046.
- Dutton, Oscar B., to Radio Corp. of America. 2,703,387, Cl. 332—26.
- Duval, Bruce, and R. S. Waddington. 2,708,058, Cl. 222—482.
- Duval, Claiborne A.: *See*—  
Harper, James W., and Duval. 2,719,109.
- Duvall, Gordon F., to the United States of America as represented by the Secretary of the Navy. 2,716,388, Cl. 114—239.
- Duvall, Walter J. 2,698,456, Cl. 16—115.
- Duy, Robert D. 2,710,725, Cl. 237—8.
- Dvorak, Howard A., to Western Electric Co., Inc. 2,717,952, Cl. 219—26.
- Dvorak, Joseph F., ½ to J. Litochleb. 2,728,278, Cl. 94—199.
- Dvorsky, Alexander L., to The Astatic Corp. 2,702,318, Cl. 179—121.
- Dworeck, Herbert G.: *See*—  
Dworeck, Louis A. and H. G., and Ravitch. 2,711,767.
- Dworeck, Louis A. and H. G., and A. Ravitch. 2,711,767, Cl. 150—0.5.
- Dwork, Bernard M.: *See*—  
Di Toro, Michael J., Graham, and Dwork. 2,699,464.
- Dwork, Bernard M., to International Telephone and Telegraph Corp. 2,708,262, Cl. 332—58.
- Dwyer, F. W., Mfg. Co.: *See*—  
Dwyer, James G. 2,707,879.  
Dwyer, James G. 2,722,837.
- Dwyer, James G., to F. W. Dwyer Mfg. Co. 2,707,879, Cl. 73—209.
- Dwyer, James G., to F. W. Dwyer Mfg. Co. 2,722,837, Cl. 73—407.
- Dwyer, James H.: *See*—  
Andrews, Stanley W. C., and Dwyer. 2,714,254.
- Dwyer, James J.: *See*—  
Speed, William C., and Dwyer. 2,700,367.  
Speed, William C., and Dwyer. 2,700,952.  
Speed, William C., and Dwyer. 2,700,954.  
Speed, William C., and Dwyer. 2,700,955.  
Speed, William C., and Dwyer. 2,702,251.  
Speed, William C., and Dwyer. 2,702,522.  
Speed, William C., and Dwyer. 2,702,581.  
Speed, William C., and Dwyer. 2,703,066.  
Speed, William C., and Dwyer. 2,714,363.  
Speed, William C., and Dwyer. 2,714,871.
- Dwyer, Robert J., to Lane-Wells Co. 2,720,488, Cl. 204—56.
- Dwyer, Thomas H. 2,723,782, Cl. 222—195.
- Dyche, Flora K. 2,721,561, Cl. 132—79.
- Dyczynski, Karol T., to Erie Tool Works. 2,700,911, Cl. 81—101.
- Dye, Edward R., to Cornell Aeronautical Laboratory, Inc. 2,709,810, Cl. 2—3.
- Dye, William T., Jr., to Monsanto Chemical Co. 2,703,813, Cl. 260—551.
- Dye, William T., Jr., to Monsanto Chemical Co. 2,703,814, Cl. 260—551.
- Dyekjaer, Jens C. C. 2,712,503, Cl. 99—166.
- Dyer, Arthur B. 2,701,927, Cl. 39—87.
- Dyer, Charles E. 2,713,218, Cl. 37—117.5.
- Dyer, Charles E. 2,720,380, Cl. 254—139.1.
- Dyer, Charles W. 2,707,558, Cl. 209—251.
- Dyer, Elizabeth, and G. A. Weisgerber, to Armstrong Cork Co. 2,698,840, Cl. 260—23.
- Dyer, Francis J. 2,722,351, Cl. 223—89.
- Dyer, Harry B., to Nashville Bridge Co. 2,699,138, Cl. 115—35.
- Dyer, Harry B., to Nashville Bridge Co. 2,722,907, Cl. 114—235.
- Dyer, Leroy F. 2,702,499, Cl. 95—4.5.
- Dyer, Richard F., to Eastman Kodak Co. 2,708,553, Cl. 242—35.5.
- Dygon, Norman S. 2,698,499, Cl. 46—144.
- Dyke, Edwin, to Motorola, Inc. 2,699,548, Cl. 343—180.
- Dykehouse, Robert H., to Crown Machine and Tool Co., Inc. 2,719,326, Cl. 18—30.
- Dyken, Charles P. 2,706,094, Cl. 242—66.
- Dykzeul, Theodore J.: *See*—  
Caparone, Michael J., and Dykzeul. 2,721,570.
- Dylewski, Stanley A. 2,717,157, Cl. 273—135.
- Dymont, Harold. 2,704,107, Cl. 154—35.
- Dyna-Labs Inc.: *See*—  
Shaper, Harry B. 2,707,769.
- Dynamit-Actien-Gesellschaft vormals Alfred Nobel & Co.: *See*—  
Hermann, Albert. 2,726,072.
- Dyrud, Ethan A. 2,700,835, Cl. 38—127.
- Dysart, Norman. 2,702,469, Cl. 70—456.
- Dzus, William. Re. 24,028, Cl. 24—221.
- Dzwons, George S.: *See*—  
Schmitt, Otto H., and Dzwons. 2,719,366.
- Dzwons, George S., to the United States of America as represented by the Secretary of the Navy. 2,714,137, Cl. 179—171.
- E. M. B. Co. Ltd.: *See*—  
Smith, Stanley. 2,720,946.
- E & M Lamort Filis: *See*—  
De Gail, Marc L. 2,700,470.
- E. R. A. Patents Ltd.: *See*—  
Bacon, Francis T. 2,716,670.
- ETC, Inc.: *See*—  
Bogue, Edward A., and Musser. 2,715,199.
- E. & W. Mfg. Co.: *See*—  
Huddleston, Loyd C., White, and Eastes. 2,698,635.
- E-Z Products, Inc.: *See*—  
Hill, William B. 2,713,810.
- Eaddy, Ernest J. 2,718,423, Cl. 292—256.
- Eaddy, Ernest J., Sr. 2,704,386, Cl. 20—62.
- Eadie, Andrew: *See*—  
Brunner, Olin, Heimbuch, and Eadie. 2,719,743.
- Eadie, Robert: *See*—  
Anderson, Henry A., Eadie, and Morley. 2,699,656.
- Eagan, R. E., Ltd.: *See*—  
Atkins, Stanley H. G. 2,705,929.
- Eagan, William F., and R. L. Robertson, to Allis-Chalmers Mfg. Co. 2,723,372, Cl. 321—19.
- Eagerman, Julius. 2,709,412, Cl. 107—57.
- Eagle, John H., to Eastman Kodak Co. 2,698,765, Cl. 294—87.
- Eagle Lock Co., The: *See*—  
Mathes, Willard. 2,715,828.  
Vile, Norman J. 2,726,531.
- Eagle-Picher Co., The: *See*—  
Chubb, Melvin F. 2,707,202.  
Chubb, Melvin F., and Dines. 2,715,652.  
Chubb, Melvin F., and Dines. 2,727,079.  
Chubb, Melvin F., and Dines. 2,727,082.  
Dines, James M. 2,716,671.  
Hollman, Edward G., Morse, and Bone. 2,727,083.  
Meyers, George L., Shutt, and Schriener. 2,705,041.  
Milone, Louis J. 2,725,960.  
Stebbins, Delbert M. 2,723,142.
- Eakin, Willard D.: *See*—  
Bannister, Clyde E., and Eakin. 2,706,969.
- Eames, Charles, to Herman Miller Furniture Co. 2,708,476, Cl. 155—187.
- Eames, Charles. 2,719,384, Cl. 46—21.
- Eames, George M., and M. G. 2,704,804, Cl. 240—6.45.
- Eames, Hugh C., to Farrel-Birmingham Co., Inc. 2,717,743, Cl. 242—83.
- Eames, James O., to The Michaels Art Bronze Co. Inc. 2,721,641, Cl. 194—72.
- Eames, Marjorie G.: *See*—  
Eames, George M. and M. G. 2,704,804.
- Eames, Walter R., to Eaton Mfg. Co. 2,724,335, Cl. 103—4.
- Eames, William F., to Westinghouse Electric Corp. 2,699,227, Cl. 187—29.
- Eames, William F., to Westinghouse Electric Corp. 2,709,503, Cl. 187—29.
- Eames, William F., to Westinghouse Electric Corp. 2,718,935, Cl. 187—29.
- Eandi, James J. 2,713,711, Cl. 25—131.
- Earhart, Harold W., to Esso Research and Engineering Co. 2,721,166, Cl. 196—29.
- Earl, Howard: *See*—  
Boucher, Alfred E. 2,698,745.
- Earl, Norman M., and A. M. Brown, to Bruce Mfg. and Molding Co., Inc. 2,702,521, Cl. 116—148.
- Earle, Edwin L.: *See*—  
Arthur, Richard P., and Earle. 2,703,394.
- Earle, Guyon L. C. 2,708,350, Cl. 62—117.4.
- Earle Hardware Mfg. Co.: *See*—  
Shaffer, Elwood F. 2,714,814.
- Earle, Norman K.: *See*—  
Gaunt, Alfred, Earle, and Ross. 2,712,683.
- Earley, Roy C., to Ruggles-Klingemann Mfg. Co. 2,715,499, Cl. 236—25.
- Early, Paul F.: *See*—  
Kimm, Ewald J., and Early. 2,720,212.
- Early, Robert W., 40% to R. A. Holcombe, Jr., and 10% to C. S. Rossen. 2,715,221, Cl. 1—200.
- Earnest, Henry J. 2,720,779, Cl. 72—33.
- Earp, Charles W., to International Standard Electric Corp. 2,717,379, Cl. 343—106.
- Eash, John T., to The International Nickel Co., Inc. 2,726,152, Cl. 75—130.
- Eason, Clarence M., to Industrial Clutch Corp. 2,698,676, Cl. 188—170.
- Easterday, Raymond E. 2,706,568, Cl. 214—384.
- Eastern Air Devices, Inc.: *See*—  
Naul, James M. 2,709,762.
- Eastern Box Co., The: *See*—  
Hasselhoff, Carl S. 2,721,001.  
Wagner, Frederick W., Jr. 2,723,074.
- Eastern Brass & Copper Co., Inc.: *See*—  
Barchoff, Abraham. 2,705,658.  
Barchoff, Abraham. 2,705,659.
- Eastern Industries, Inc.: *See*—  
Barker, John L. 2,705,789.
- Eastern Malleable Iron Co.: *See*—  
Spann, Lawrence R., and Tarbox. 2,719,613.
- Eastern Power Devices Ltd.: *See*—  
Price, Murray K. 2,710,322.



- Eastern Rotorcraft Corp.: See—  
   Campbell, Harris S. 2,705,461.  
   Huber, John R. 2,715,008.  
   Huber, John R. 2,715,012.  
 Eastern Tool & Mfg. Co.: See—  
   Anderson, Carl E. 2,713,708.  
 Eastern Venetian Blind Co., The: See—  
   Rosenbaum, Harry S. 2,703,447.  
 Eastern States Petroleum Co., Inc.: See—  
   Huth, Dwight E. 2,704,154.  
 Eastes, John W.: See—  
   Kienle, Roy H., Eastes, and Cooke. 2,717,246.  
 Eastes, John W., and T. F. Cooke, to American Cyanamid Co. 2,699,440, Cl. 260—314.5.  
 Eastes, John W., and T. F. Cooke, to American Cyanamid Co. 2,699,442, Cl. 260—314.5.  
 Eastes, John W., and T. F. Cooke, to American Cyanamid Co. 2,699,443, Cl. 260—314.5.  
 Eastes, John W., and T. F. Cooke, to American Cyanamid Co. 2,699,444, Cl. 260—314.5.  
 Eastes, John W., and T. F. Cooke, to American Cyanamid Co. 2,721,853, Cl. 260—39.  
 Eastes, Thomas F.: See—  
   Huddleston, Loyd C., White, and Eastes. 2,698,635.  
 Easthagen, John H., and H. I. Allen, Jr., to California Research Corp. 2,726,992, Cl. 196—32.  
 Eastman, Du Bois, and L. P. Gaucher, to The Texas Co. 2,701,756, Cl. 48—196.  
 Eastman, Fred C., to United Shoe Machinery Corp. 2,699,851, Cl. 192—18.  
 Eastman, Fred C., to United Shoe Machinery Corp. 2,700,920, Cl. 89—41.  
 Eastman, Fred C., to United Shoe Machinery Corp. 2,702,015, Cl. 112—59.  
 Eastman, Fred C., to United Shoe Machinery Corp. 2,705,298, Cl. 318—19.  
 Eastman, Fred C., to United Shoe Machinery Corp. 2,705,464, Cl. 112—46.  
 Eastman, Fred C., to United Shoe Machinery Corp. 2,716,764, Cl. 12—1.  
 Eastman Kodak Co.: See—  
   Allen, Charles F. H., and Byers. 2,725,305.  
   Allen, Charles F. H., Byers, and Murray. 2,728,663.  
   Allen, Charles F. H., and Carroll. 2,725,294.  
   Allen, Charles F. H., and Carroll. 2,725,295.  
   Allen, Charles F. H., and Laakso. 2,726,162.  
   Allen, Charles F. H., and Reynolds. 2,713,541.  
   Altman, Fred E. 2,715,855.  
   Askren, Lee T., and Fairbanks. 2,716,005.  
   Aydlett, Guy D. 2,713,486.  
   Beach, Norman F., and Spangler. 2,704,716.  
   Bell, Alan, Knowles, and Tholstrup. 2,725,391.  
   Bell, Alan, Tholstrup, and Lappin. 2,728,784.  
   Bent, Richard L., and Weissberger. 2,704,713.  
   Bower, Atwood G. 2,718,975.  
   Brown, Morris E. 2,725,120.  
   Burness, Donald M. 2,725,384.  
   Caldwell, John R. 2,703,291.  
   Caldwell, John R. 2,706,720.  
   Caldwell, John R. 2,706,721.  
   Caldwell, John R. 2,706,722.  
   Caldwell, John R. 2,719,136.  
   Caldwell, John R. 2,720,502.  
   Caldwell, John R. 2,720,507.  
   Caldwell, John R. 2,725,370.  
   Caldwell, John R. 2,728,738.  
   Caldwell, John R., and Reynolds. 2,720,506.  
   Caldwell, John R., and Wellman. 2,720,504.  
   Caldwell, John R., and Wellman. 2,720,505.  
   Caldwell, John R., and Wellman. 2,727,881.  
   Capstaff, John G. 2,708,388.  
   Carroll, Burt H. 2,703,282.  
   Carroll, Burt H. 2,728,666.  
   Carroll, Burt H., and Beach. 2,708,162.  
   Carroll, Burt H., and Beach. 2,716,062.  
   Carroll, Burt H., and Jones. 2,701,198.  
   Carroll, Burt H., and Jones. 2,704,714.  
   Carroll, Burt H., and Jones. 2,704,715.  
   Carroll, Burt H., and Murray. 2,728,664.  
   Cawley, John D., and Robeson. 2,709,712.  
   Chechak, Jonas J., and Fierke. 2,698,796.  
   Clark, George R., and Priest. 2,721,801.  
   Coover, Harry W., Jr. 2,716,108.  
   Coover, Harry W., Jr. 2,719,134.  
   Coover, Harry W., Jr., and Dickey. 2,704,751.  
   Coover, Harry W., Jr., and Dickey. 2,706,727.  
   Coover, Harry W., Jr., and Dickey. 2,706,728.  
   Coover, Harry W., Jr., and Dickey. 2,725,371.  
   Coover, Harry W., Jr., and Dickey. 2,728,749.  
   Coover, Harry W., Jr., and McCall. 2,716,100.  
   Coover, Harry W., Jr., and McCall. 2,716,101.  
   Coover, Harry W., Jr., and Shearer. 2,719,175.  
   Coover, Harry W., Jr., and Shearer. 2,719,176.  
   Coover, Harry W., Jr., and Shearer. 2,719,177.  
   Coover, Harry W., Jr., and Shearer. 2,719,178.  
   Cressman, Homer W. J., and Fierke. 2,698,795.  
   Cundall, Lincoln A., and Perconti. 2,718,965.  
   Damschroder, Rudolph E., and Stauffer. 2,701,199.  
   De Croes, George C., and Akin. 2,719,169.  
   De Croes, George C., and Tamblin. 2,710,811.  
   Dickey, Joseph B., and Coover. 2,721,876.  
   Dickey, Joseph B., Coover, and Stanin. 2,698,842.  
   Dickey, Joseph B., and Straley. 2,726,251.  
 Eastman Kodak Co.: See—Continued.  
   Dickey, Joseph B., and Taylor. 2,723,264.  
   Dickey, Joseph B., and Towne. 2,700,686.  
   Dickey, Joseph B., and Towne. 2,724,716.  
   Dyer, Richard F. 2,708,553.  
   Eagle, John H. 2,698,765.  
   Edwards, Harry D., Doyle, and Palling. 2,721,799.  
   Egan, John F. 2,704,485.  
   Emerson, Howard J. 2,719,235.  
   Fisher, Webster E., and Gillmor. 2,701,210.  
   Fitch, Harold L., and Scudder. 2,725,155.  
   Fogelman, James N., and Wankel. 2,725,390.  
   Fowler, William F., Jr., and Reynolds. 2,721,852.  
   Fowler, William F., Jr., Spear, and Tong. 2,713,539.  
   Fuerst, Carl C. 2,718,835.  
   Fuerst, Carl C., and Harvey. 2,718,834.  
   Gates, John W., Jr., and Elins. 2,713,575.  
   Godowsky, Leopold. 2,698,794.  
   Godowsky, Leopold, and Minsk. 2,698,797.  
   Graham, Bruce. 2,710,871.  
   Graham, Bruce. 2,725,291.  
   Graham, Bruce, Vittum, and Weissberger. 2,725,292.  
   Graham, Bruce, and Williams. 2,706,684.  
   Hagemeyer, Hugh J., Jr. 2,701,260.  
   Hagemeyer, Hugh J., Jr., and Perry. 2,719,138.  
   Hanson, Wesley T., Jr. 2,704,711.  
   Harrington, Robert C., Jr. 2,723,247.  
   Herz, Arthur H., and Keyes. 2,719,088.  
   Heseltine, Donald W., and Brooker. 2,719,151.  
   Hilborn, Edwin H. 2,706,686.  
   Hilborn, Edwin H., and Smith. 2,710,820.  
   Hughey, Carter J. 2,718,790.  
   Humphlett, Wilbert J. 2,726,269.  
   Hunter, Walker F., Jr. 2,706,534.  
   Jackson, Anthony E. 2,704,712.  
   Jeffreys, Roy A. 2,719,152.  
   Jones, Jean E. 2,704,717.  
   Jones, Jean E. 2,704,718.  
   Jones, Jean E. 2,704,719.  
   Jones, Jean E. 2,704,720.  
   Jones, Jean E. 2,708,161.  
   Joyner, Frederick B., and Hawkins. 2,721,858.  
   Kendall, William B. 2,725,296.  
   Kenyon, Roger B. 2,714,745.  
   Kenyon, William O., Waugh, and Unruh. 2,713,570.  
   Kesel, Robert E., and Robinson. 2,725,004.  
   Kindig, Guilford E., Dudley. 2,721,506.  
   Knott, Edward B. 2,713,579.  
   Knott, Edward B. 2,728,766.  
   Knott, Edward B., and Morgan. 2,728,667.  
   Knox, William J., Jr., and Davis. 2,719,087.  
   Kuhrt, Noel H. 2,701,769.  
   Kuhrt, Noel H. 2,701,770.  
   Kuhrt, Noel H. 2,714,113.  
   Kuhrt, Noel H., and Welch. 2,727,913.  
   Larivé, Henri, and Collet. 2,708,669.  
   Leubner, Gerhard W., and Murray. 2,728,665.  
   Loria, Anthony, and Pesch. 2,721,798.  
   Loria, Anthony, Thirtle, and Weissberger. 2,728,659.  
   Lynn, William. 2,701,245.  
   Malm, Carl J., and Hiatt. 2,718,667.  
   Marriage, Anthony, Pollak, and Brooks. 2,728,290.  
   McCrosen, Fred C., Vittum, and Weissberger. 2,728,658.  
   McLeod, John H., and Clutz. 2,706,666.  
   Meyer, Garson. 2,699,402.  
   Meyer, Lester W. A., and Broyles. 2,708,638.  
   Meyer, Lester W. A., and Broyles. 2,716,071.  
   Mihalyi, Joseph. 2,728,281.  
   Minsk, Louis M. 2,725,372.  
   Minsk, Louis M., and Kenyon. 2,710,801.  
   Morey, Donald R. 2,725,297.  
   Morgan, John, and Starkey. 2,721,800.  
   Owens, William D. 2,716,210.  
   Painter, Edwin S. 2,703,309.  
   Parmerter, Stanley M. 2,710,802.  
   Perry, Edmond S., and Cox. 2,701,261.  
   Peters, Ralph W., and Mengel. 2,710,800.  
   Quinn, Martin F. 2,701,233.  
   Rees, Herbert L., and Henrickson. 2,706,687.  
   Reed, Kenneth J. 2,725,378.  
   Reynolds, Delbert D., and Cathcart. 2,725,368.  
   Reynolds, Delbert D., and Kenyon. 2,701,243.  
   Reynolds, Delbert D., and Laakso. 2,716,134.  
   Reynolds, Delbert D., and Laakso. 2,725,381.  
   Robeson, Charles D., and Cawley. 2,709,711.  
   Roman, Robert J. 2,718,948.  
   Ross, Donald V. 2,716,138.  
   Salminen, Ilmari F. 2,706,685.  
   Salminen, Ilmari F., and Weissberger. 2,710,803.  
   Salminen, Ilmari F., and Weissberger. 2,728,660.  
   Sawdey, George W. 2,706,683.  
   Sawdey, George W., and Loria. 2,719,086.  
   Sawdey, George W., and Van Allan. 2,719,162.  
   Schmitt, Henry O., Jr., and Smith. 2,728,263.  
   Schnetzler, George W., Jr., and Unterborn. 2,704,641.  
   Scott, Kenneth W., Sweet, and Van Horn. 2,703,290.  
   Shearer, Newton H., Jr., and Coover. 2,719,144.  
   Simmons, Arthur B. 2,716,012.  
   Simmons, Arthur B., and Kingslake. 2,715,854.  
   Smith, Albert C., Jr. 2,719,141.  
   Smith, Albert C., Jr., and Unruh. 2,728,745.  
   Smith, Edward A. 2,725,290.  
   Sprague, Robert H. 2,706,193.



Eastman Kodak Co.: *See*—Continued.

- Straley, James M., and Harris. 2,716,124.  
 Sweet, Sterling S., Van Horn, and Newsome. 2,710,848.  
 Talbot, Ralph H., and McCleary. 2,725,293.  
 Taylor, George J., and Dickey. 2,714,598.  
 Thirtle, John R., and Duenebier. 2,701,197.  
 Thirtle, John R., Salminen, and Weissberger. 2,728,661.  
 Thompson, Benjamin. 2,725,387.  
 Tolle, Karl. 2,728,266.  
 Towne, Edmund B., and Dickey. 2,708,671.  
 Towne, Edmund B., and Hill. 2,726,237.  
 Towne, Edmund B., and Hill. 2,726,247.  
 Tucker, William M., and Beuckman. 2,728,719.  
 Ulmschneider, Lawrence A. 2,708,648.  
 Unruh, Cornelius C. 2,708,665.  
 Unruh, Cornelius C. 2,728,746.  
 Unruh, Cornelius C., and Allen. 2,706,725.  
 Unruh, Cornelius C., and Allen. 2,716,097.  
 Unruh, Cornelius C., and Allen. 2,716,102.  
 Unruh, Cornelius C., and Allen. 2,716,103.  
 Wellman, John W. 2,720,503.  
 White, Walter R., and Nadeau. 2,703,284.  
 Wiitala, Edwin S., and Kridel. 2,708,597.  
 Williams, Robert F., Jr. 2,713,546.  
 Wittel, Otto. 2,721,627.  
 Young, De Walt S. 2,704,772.  
 Young, De Walt S., and Rodgers. 2,704,773.  
 Young, De Walt S., and Rodgers. 2,722,556.  
 Young, Earle A. 2,719,288.  
 Young, Richard V., and Dundon. 2,710,815.  
 Yule, John A. C. 2,721,892.  
 Yule, John A. C., and Maurer. 2,708,626.  
 Yutzy, Henry C., and Carroll. 2,713,305.  
 Yutzy, Henry C., and Cowden. 2,725,298.  
 Yutzy, Henry C., and Frame. 2,728,662.  
 Yutzy, Henry C., and Yackel. 2,716,059.
- Eastman Oil Well Survey Co.: *See*—  
 Bender, Arthur Z. 2,719,485.  
 Brady, Edward F. 2,707,617.  
 Goble, Ralph W. 2,728,554.
- Easton, Allan, to Hazeltine Research, Inc. 2,702,837, Cl. 179—171.
- Easy Washing Machine Corp.: *See*—  
 Abrams, Louis V. 2,713,946.  
 Douglas, Peyton W. 2,717,135.  
 Engel, J. Anthony. 2,718,066.  
 Landwier, William G. 2,709,208.  
 Sherman, Charles W. 2,708,293.  
 Walker, Willard R., and Peck. 2,707,475.
- Easy Way Stamper Machine Co., Inc.: *See*—  
 Cottrell, Vincent E., and Deringer. 2,724,530.
- Eaton, Carl J.: *See*—  
 Christie, Robert K., and Eaton. 2,716,267.
- Eaton, Charles and C. V. 2,707,566, Cl. 211—163.
- Eaton, Charles V.: *See*—  
 Eaton, Charles, and C. V. 2,707,566.
- Eaton, John W.: *See*—  
 Sasse, Elmer C., and Eaton. 2,705,533.
- Eaton Mfg. Co.: *See*—  
 Archangeli, Martin D. 2,719,515.  
 Chaya, John S., and Eaton. 2,723,561.  
 Davidson, James L., Jr. 2,724,217.  
 Eames, Walter R. 2,724,335.  
 Gamundi, Reynold F., Pipes, and Schwendler. 2,720,999.  
 Jaeschke, Ralph L. 2,702,872.  
 Jaeschke, Ralph L. 2,723,356.  
 Matulaitis, Victor E. 2,704,205.  
 Pipes, George R., and Findley. 2,717,179.  
 Russell, Robert C. 2,706,973.  
 Russell, Robert C. 2,710,076.  
 Russell, Robert C. 2,715,217.  
 Schwendler, Frederick C., and Schultz. 2,721,000.  
 Utz, George. 2,722,303.  
 Winther, Martin P. 2,701,315.  
 Winther, Martin P. 2,718,946.  
 Winther, Martin P. 2,725,133.  
 Winther, Martin P. 2,728,243.  
 Winther, Martin P., and Jaeschke. 2,704,344.
- Eaton, Mearl S. 2,718,080, Cl. 40—125.
- Eaton, Millard B., to Bek, Inc. 2,704,443, Cl. 65—59.
- Eaton, Robert G., to Marconi's Wireless Telegraph Co. Ltd. 2,721,488, Cl. 76—112.
- Eaton, Samuel E., to Arthur D. Little, Inc. 2,728,495, Cl. 222—394.
- Eaton Stamping Co.: *See*—  
 Hamman, Lyle J. 2,718,277.
- Eaton, William T., and F. E. Strable, to Gyproc Products Ltd. 2,722,262, Cl. 154—12.
- Eaves, Hubert H.: *See*—  
 Sorg, Harold E., Eaves, and Drieschman. 2,719,185.
- Eaves, William C., and R. W. Whitehill; said Whitehill assor. to said Eaves. 2,699,955, Cl. 280—154.5.
- Ebasco Services, Inc.: *See*—  
 Dibrell, James W. 2,716,047.
- Ebauches S. A.: *See*—  
 Haidegger, Hans. 2,724,225.
- Ebel, Friedrich, and R. Randebrock, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,717,898, Cl. 260—377.
- Ebel, Friedrich, and W. Rupp, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,715,131, Cl. 260—376.
- Eber, Mortimer: *See*—  
 Knochel, William J., Eber, and Ehringer. 2,724,892.
- Eber, Mortimer, to Westinghouse Electric Corp. 2,699,143, Cl. 118—421.
- Eberhard, Everett, and R. O. Endres, to Radio Corp. of America. 2,704,792, Cl. 179—171.
- Eberhart, Dale R.: *See*—  
 Scalera, Mario, and Eberhart. 2,702,759.
- Eberl, James J.: *See*—  
 Sparrow, Donald B., Eberl, and Britt. 2,707,144.  
 Sparrow, Donald B., Eberl, and Britt. 2,707,145.
- Eberle, George M. 2,720,776, Cl. 70—289.
- Eberle, Julian J., to The Journal Co. 2,721,645, Cl. 198—101.
- Ebersole, Robert A., to Chisholm, Boyd & White Co. 2,704,874, Cl. 25—89.
- Ebert, Frank E.: *See*—  
 Campbell, Lee R., Ebert, Schoening, and Reiterman. 2,713,165.
- Ebert, John: *See*—  
 Weber, Ernst, and Ebert. 2,705,779.  
 Weber, Ernst, and Ebert. 2,705,780.
- Ebert, Max E., to Alfred Hofmann & Co. 2,707,380, Cl. 66—86.
- Ebert, Max E., to Alfred Hofmann & Co. 2,718,768, Cl. 66—86.
- Ebert, Philipp. 2,705,403, Cl. 61—81.
- Ebertin, Georges. 2,722,811, Cl. 63—14.
- Ebner, Heinz: *See*—  
 Hromatka, Otto, and Ebner. 2,707,683.
- Ebner, William. 2,715,986, Cl. 223—73.
- Ebnetter, Arnold E., to the United States of America as represented by the Secretary of the Navy. 2,728,540, Cl. 244—127.
- Ebsworth, Richard H. 2,713,273, Cl. 74—472.
- Eby, Clarence C. 2,720,419, Cl. 299—24.
- Eby, Eldon W. 2,707,782, Cl. 132—92.
- Eby, Harold H., to Continental Oil Co. 2,708,199, Cl. 260—327.
- Ecclesine, George A., to Gro-Cord Rubber Co. 2,722,756, Cl. 36—59.
- Eck, Floyd R., to Motor Products Corp. 2,702,639, Cl. 211—14.
- Eck, Floyd R., to Motor Products Corp. 2,703,353, Cl. 200—168.
- Eck, Floyd R., to Motor Products Corp. 2,708,052, Cl. 220—15.
- Eck, Floyd R., to Motor Products Corp. 2,711,871, Cl. 248—22.
- Eck, Robert N., and F. S. Horner, to Cutler-Hammer, Inc. 2,725,513, Cl. 318—272.
- Eckel, John F., to General Electric Co. 2,709,144, Cl. 148—12.7.
- Eckel, John F., to General Electric Co. 2,712,993, Cl. 75—166.
- Eckel, Oliver C. 2,720,920, Cl. 160—354.
- Eckenbeck, Dana C., P. E. Slaughter, and C. L. Madden. 2,722,259, Cl. 151—41.73.
- Ecker, Murry F., to Pacific Pumps, Inc. 2,699,723, Cl. 103—1.
- Eckert, Charles F.: *See*—  
 Brass, Philip D., and Eckert. 2,713,040.
- Eckert, John P., Jr.: *See*—  
 Welsh, Herbert F., Schreiner, Mock, and Eckert. 2,708,554.
- Eckhardt, Elmer R.: *See*—  
 Bernhart, Finn W., Eckhardt, Janson, and Tinkler. 2,714,068.
- Eckler, Leopold, and W. P. Moeller, to Celanese Corp. of America. 2,706,310, Cl. 18—48.
- Eckler, Leopold, and F. W. H. Mueller, to General Aniline & Film Corp. 2,710,256, Cl. 95—88.
- Eckler, Norman H.: *See*—  
 Jacobson, Eugene W., Wedner, and Eckler. 2,711,833.
- Eckles, Harry C., to The T. L. Smith Co. 2,712,403, Cl. 222—434.
- Eckles, Theodore V. 2,711,258, Cl. 214—454.
- Eckman, Paul G.: *See*—  
 Gilroy, John, and Eckman. 2,702,546.
- Eckold, Gerd-Jürgen: *See*—  
 Eckold, Walter and G. 2,699,079.
- Eckold, Walter and G. 2,699,079, Cl. 78—61.
- Eckstein, Ernest E. Re. 24,058, Cl. 294—110.
- Eckstein, George R., to Remington Arms Co., Inc. 2,708,878, Cl. 102—45.
- Eckstein, Oscar O. 2,709,005, Cl. 211—113.
- Eckstrom, Albert W., to Blaw-Knox Co. 2,713,895, Cl. 159—43.
- Eckstrom, Albert W., to Blaw-Knox Co. 2,718,215, Cl. 122—34.
- Eckweiler, Howard J., Jr., to Kollsman Instrument Corp. 2,713,134, Cl. 318—19.
- Eclipse Air Brush Co.: *See*—  
 Beach, Howard W. 2,699,958.
- Economy Bindery Co.: *See*—  
 Traettino, Albert A. 2,714,732.
- Ecully, Paul F.: *See*—  
 Corbière, Paul J., and Ecully. 2,723,440.
- Ecusta Paper Corp.: *See*—  
 Heygel, Paul R., and Kaltenbach. 2,711,861.  
 Goepfert, Otto F., and Landeck. 2,698,706.  
 Schur, Milton O. 2,699,208.
- Eddleston, James H.: *See*—  
 Victoreen, John A., and Eddleston. 2,728,004.
- Edds, George T., and S. L. Bickal, to Fort Dodge Laboratories, Inc. 2,728,704, Cl. 167—53.2.
- Eddy, George F. 2,726,613, Cl. 112—114.
- Eddy, Newell A., III, to Habitant Fence, Inc. 2,721,727, Cl. 256—24.
- Eddy, Wesley L., to Ampro Corp. 2,713,619, Cl. 179—100.2.



- Eddystone Machinery Co.: *See*—  
Clark, William J., and Aulen. 2,723,717.
- Edelblut, Johann, and G. Ziegler. 2,722,680, Cl. 340—271.
- Edeleanu Gesellschaft m. b. H.: *See*—  
Hoppe, Alfred. 2,712,519.
- Edelen, James L., to Carter Carburetor Corp. 2,703,249, Cl. 292—259.
- Edelman, Abraham: *See*—  
Roberts, Samuel B., Roughsedge, Edelman, and Koslow. 2,713,980.
- Edelman, Abraham, R. H. Roughsedge, and H. G. Lustig, to Celanese Corp. of America. 2,711,093, Cl. 66—163.
- Edelman, Abraham, R. H. Roughsedge, and H. G. Lustig, to Celanese Corp. of America. 2,711,094, Cl. 66—166.
- Edelman, Philip, and F. Rudy, to Pacific Airmotive Corp. 2,709,339, Cl. 60—52.
- Edelmann, E., & Co.: *See*—  
Edelmann, Robert B. 2,704,450.
- Edelmann, Robert B., to E. Edelmann & Co. 2,704,450, Cl. 73—34.
- Edelmeier, Hans: *See*—  
Kreissig, Ernst, Schaefer, Remfert, Edelmeier, and Müller. 2,705,605.
- Eden, Albert J. 2,722,961, Cl. 152—218.
- Eden, Reginald R., to Powers-Samas Accounting Machines Ltd. 2,727,684, Cl. 235—61.6.
- Eder, Hans: *See*—  
Ulrich, Fritz, Centmaier, Eder, Hofmann, and Döring. 2,701,824.
- Ulrich, Fritz, Lohs, Hofmann, Centmaier, and Eder. 2,724,747.
- Ederer, Clarence L., to Ederer Corp. 2,725,302, Cl. 106—212.
- Ederer Corp.: *See*—  
Ederer, Clarence L. 2,725,302.
- Ederer, Lothar A., to The Linen Thread Co., Inc. 2,727,425, Cl. 87—54.
- Edgar, William S. W., Jr., to The Western Union Telegraph Co. 2,724,014, Cl. 178—17.
- Edge, Stanley H., and H. Jeffery, to Clayton Dewandre Co. Ltd. 2,725,073, Cl. 137—493.4.
- Edge, Stanley H., and D. A. Sams, to Clayton Dewandre Co. Ltd. 2,725,119, Cl. 184—7.
- Edgemond, John W., Jr.: *See*—  
Vaiel, Robert B., Jr., Jespersen, and Edgemond. 2,724,487.
- Edgerton, Arthur H. 2,713,110, Cl. 219—35.
- Edgington, Glenn S. 2,705,001, Cl. 123—79.
- Edholm, Harald. 2,717,719, Cl. 222—1.
- Edinburgh, John F., and D. L. Huey,  $\frac{1}{3}$  to C. A. Craig. 2,699,967, Cl. 299—30.
- Edison, Theodore M., to Calibron Products, Inc. 2,724,183, Cl. 33—1.
- Edison, Thomas A., Inc.: *See*—  
Grierson, Paul S. 2,718,424.
- Kobler, Richard. 2,699,466.
- Moulton, Joseph D. 2,727,080.
- Edlo, Inc.: *See*—  
Austin, Carroll D. 2,713,508.
- Edlund, Daniel L., to Vanadium Corp. of America. 2,706,681, Cl. 75—167.
- Edlund, John L. 2,723,828, Cl. 251—88.
- Edman, John H., to Deere Mfg. Co. 2,721,508, Cl. 97—46.03.
- Edman, Joseph V., to Pitney-Bowes, Inc. 2,728,291, Cl. 101—232.
- Edmands Co.: *See*—  
Blaisdell, Sidney B. 2,723,525.
- Edmondson, Benjamin F. 2,707,870, Cl. 62—91.5.
- Edmunds, William H., to I-T-E Circuit Breaker Co. 2,701,284, Cl. 200—116.
- Edmundson, David, and E. A. Hall, to The British Thomson-Houston Co. Ltd. 2,703,876, Cl. 340—178.
- Edmunson, William C., C. A. Nichols, and W. A. Fletcher, to General Motors Corp. 2,711,491, Cl. 310—239.
- Ednell, Folke G. and T. R. 2,725,908, Cl. 144—208.
- Ednell, Tage R.: *See*—  
Ednell, F. G. and T. R. 2,725,908.
- Edrington, Prentice E.: *See*—  
Vincent, Daniel B. 2,705,842.
- Edson, Madison A. 2,711,048, Cl. 43—42.18.
- Edson, Murray H., and A. J. Di Gennaro, to Esso Research and Engineering Co. 2,721,830, Cl. 196—22.
- Edson, William A., to Bell Telephone Laboratories, Inc. 2,698,923, Cl. 333—83.
- Edson, William A., to Bell Telephone Laboratories, Inc. 2,710,945, Cl. 333—83.
- Edson, William A., and R. W. Lange, to Bell Telephone Laboratories, Inc. 2,720,629, Cl. 333—83.
- Edward Valves Inc.: *See*—  
Peretish, William H. 2,707,390.
- MacGregor, David. Re. 23,985.
- Edwards, Andrew W.: *See*—  
Wallace, James M., and Edwards. 2,700,081.
- Edwards, Andrew W., to Westinghouse Electric Corp. 2,705,295, Cl. 317—46.
- Edwards, Andrew W., and A. W. Ogg, to Westinghouse Electric Corp. 2,701,828, Cl. 200—89.
- Edwards Co., Inc.: *See*—  
Miller, Christian. 2,703,830.
- Verkuil, Leo L. 2,723,328.
- Verkuil, Leo L. 2,726,381.
- Edwards, Curtis V., to Edwards Equipment Co. 2,698,563, Cl. 97—26.
- Edwards, Cyril J., Jr. 2,722,843, Cl. 74—250.
- Edwards, Donald V., to Electrons, Inc. 2,724,788, Cl. 313—339.
- Edwards, Enoch F., to Be Vant Mining & Refining Corp. 2,717,205, Cl. 75—5.
- Edwards Equipment Co.: *See*—  
Edwards, Curtis V. 2,698,563.
- Edwards, Frank W. 2,725,623, Cl. 30—9.
- Edwards, George S., deceased, by H. S. Edwards, executrix, to Valley Mechanical Co., Inc. Re. 23,984, Cl. 119—37.
- Edwards, Harry D., F. P. Doyle, and S. J. Palling, to Eastman Kodak Co. 2,721,799, Cl. 95—7.
- Edwards, Helen S.: *See*—  
Edwards, George S. Re. 23,984.
- Edwards, Herbert E.: *See*—  
Andersen, Laurits. 2,728,133.
- Edwards High Vacuum Ltd.: *See*—  
Barrett, Arthur S. D., and Power. 2,722,371.
- Edwards, Howard C., to J. E. Miller, trustee. 2,722,372, Cl. 230—95.
- Edwards, Irving W. 2,725,615, Cl. 29—155.55.
- Edwards, James N., to Hughes Aircraft Co. 2,728,866, Cl. 307—149.
- Edwards, James W.: *See*—  
Schori, Ernst. 2,707,989.
- Edwards, John. 2,728,553, Cl. 255—1.4.
- Edwards, John F., and J. H. Emory. 2,726,930, Cl. 23—150.
- Edwards, Keith A., to General Electric Co. 2,712,747, Cl. 68—17.
- Edwards, Keith A., and W. R. Buechler, to General Electric Co. 2,712,748, Cl. 68—17.
- Edwards, Lawrence K., to McDonnell Aircraft Corp. 2,705,940, Cl. 121—41.
- Edwards, Leonard C. 2,704,536, Cl. 123—187.5.
- Edwards, Lewis W., to Lukens Steel Co. 2,701,105, Cl. 241—81.
- Edwards, Martin A.: *See*—  
Garr, Donald E., and Edwards. 2,709,449.
- Edwards, Martin A., to General Electric Co. 2,727,201, Cl. 318—317.
- Edwards, Omar L., to The Standard Oil Co. 2,705,831, Cl. 29—266.
- Edwards, Otis T. 2,719,760, Cl. 308—2.
- Edwards, Ralph J. 2,704,173, Cl. 222—508.
- Edwards, Ray C. 2,726,643, Cl. 122—33.
- Edwards, Robert E. 2,728,617, Cl. 308—189.
- Edwards, Robert L., to Master Pneumatic Supply Co. 2,698,604, Cl. 121—38.
- Edwards, Theodor B. 2,717,581, Cl. 122—448.
- Edwards, Tom, to Incandescent Heat Co. Ltd. 2,712,963, Cl. 302—49.
- Edwards, Walter. 2,710,888, Cl. 174—44.
- Edwards, Walter M., and I. M. Robinson, to E. I. du Pont de Nemours and Co. 2,710,853, Cl. 260—78.
- Edwards, William D.: *See*—  
Lucas, Guy L., Edwards, and Chaffin. 2,706,392.
- Edwards, William J., to The Singer Mfg. Co. 2,727,478, Cl. 112—147.
- Efford, John T., to Bridgeport Brass Co. 2,700,578, Cl. 299—95.
- Efford, John T., to Bridgeport Brass Co. 2,707,968, Cl. 137—382.
- Egan, Edmond F., and G. Herzog, to The Texas Co. 2,700,734, Cl. 250—43.5.
- Egan, Francis J., to The Cold Forming Mfg. Co. 2,715,232, Cl. 10—11.
- Egan, John F., to Eastman Kodak Co. 2,704,485, Cl. 88—24.
- Egart, George M.: *See*—  
Burgess, Everett H., Gardner and Egart. 2,718,763.
- Egee, Walter W., to Fletcher Works Inc. 2,699,905, Cl. 242—157.
- Egee, Walter W., to Fletcher Works Inc. 2,717,126, Cl. 242—39.
- Egee, Walter W., and J. W. Bennett, to Fletcher Works Inc. 2,705,110, Cl. 242—37.
- Egee, Walter W., and J. W. Bennett, to Fletcher Works Inc. 2,717,302, Cl. 219—19.
- Eger, Laszlo W., and E. W. Engel, to Permacel Tape Corp. 2,726,967, Cl. 117—76.
- Egerton Engineering Co. Ltd.: *See*—  
Egerton, William E. 2,715,878.
- Egerton, William E. 2,724,336.
- Egerton, William E., to Egerton Engineering Co. Ltd. 2,715,878, Cl. 107—1.
- Egerton, William E., to Egerton Engineering Co. Ltd. 2,724,336, Cl. 103—25.
- Egger, Charles J., and R. H. Webster, to The Buckeye Laboratories Corp. 2,702,268, Cl. 196—75.
- Eggersgluess, Walter: *See*—  
Schmidt, Ferdinand, and Eggersgluess. 2,716,086.
- Eggert, John. 2,703,283, Cl. 95—7.
- Eggert, Walter S., Jr., to The Budd Co. 2,709,108, Cl. 296—76.
- Eggleston, Ira S., to Standard Conveyor Co. 2,712,377, Cl. 198—127.
- Eggleston, Ira S., to Standard Conveyor Co. 2,712,378, Cl. 198—202.
- Egler, Joseph J. 2,717,722, Cl. 222—102.
- Egli & Co. Corsetfabrik A. G. Bruttisellen-Wangen: *See*—  
Geiger, Emil, and Maag. 2,703,883.
- Eglin, James M., to Bell Telephone Laboratories, Inc. 2,717,956, Cl. 250—6.
- Eglitis, Victors. 2,717,812, Cl. 302—56.
- Egly, William D., and C. W. Harris; said Harris assor. to said Egly. 2,716,573, Cl. 299—50.



- Egly, William D., and C. W. Harris; said Harris assor. to said Egly. 2,726,119, Cl. 299—50.
- Eheim, Walter. 2,704,638, Cl. 242—46.3.
- Ehlers, Forrest A.: *See—*  
Stanton, George W., and Ehlers. 2,715,112.  
Stanton, George W., and Ehlers. 2,716,095.
- Ehlers, George M., to Sprague Electric Co. of Wisconsin, Inc. 2,706,742, Cl. 174—52.
- Ehlike, Edward C., to A P Controls Corp. 2,708,561, Cl. 251—129.
- Ehlike, Edward C., to A P Controls Corp. 2,711,184, Cl. 137—79.
- Ehlike, Edward C., to A P Controls Corp. 2,716,535, Cl. 251—156.
- Ehlike, Glenn H. 2,726,660, Cl. 129—24.
- Ehman, Philip J.: *See—*  
Zellner, Robert J., and Ehman. 2,722,552.
- Ehman, Philip J., to Ansul Chemical Co. 2,720,492, Cl. 252—194.
- Ehmann, Leslie G., to Hyster Co. 2,706,061, Cl. 214—653.
- Ehmann, Leslie G. 2,728,208, Cl. 64—11.
- Ehn, Erik W.: *See—*  
Beck, Hans J., Ehn, Lohmiller, and Schmid. 2,703,261.
- Ehnes, Charles M., to Remington Rand Inc. 2,713,502, Cl. 283—1.
- Ehrenberg, Gustave. 2,728,286, Cl. 99—386.
- Ehrenberg, Raymond W., to Brisk Waterproofing Co., Inc. 2,699,058, Cl. 72—127.
- Ehrenreich, A., & Cie: *See—*  
Latzen, Josef. 2,708,590.  
Latzen, Josef. 2,712,462.  
Latzen, Josef. 2,718,418.  
Latzen, Josef. 2,727,768.
- Ehret, Harry J. 2,707,596, Cl. 242—72.
- Ehret, Robert J., to Minneapolis-Honeywell Regulator Co. 2,716,686, Cl. 201—63.
- Ehrhart, Gustav, H. Ruschig, L. Stein, W. Aumüller, H. Oepfinger, and L. Schörnig, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius und Bruning. 2,699,439, Cl. 260—239.1.
- Ehrhart, Gustav, H. Ruschig, L. Stein, and W. Aumüller, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius und Bruning. 2,700,039, Cl. 260—239.1.
- Ehrhart, Gustav, H. Ruschig, and H. Leditschke, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius und Bruning. 2,704,767, Cl. 260—397.7.
- Ehrich, Donn G., to South Bend Screw Products, Inc. 2,700,548, Cl. 279—16.
- Ehringer, Hermann J.: *See—*  
Knochel, William J., Eber, and Ehringer. 2,724,892.
- Ehrisman, Henry O., to The Foxboro Co. 2,724,903, Cl. 34—49.
- Ehrler, John W., to Phillips Petroleum Co. 2,711,824, Cl. 209—298.
- Ehrlich, Joseph R., to N. Erlanger, Blumgart & Co. Inc. 2,720,909, Cl. 154—28.
- Ehrlich, Louis B. 2,718,395, Cl. 268—124.
- Ehrlich, Robert W., to American Telephone and Telegraph Co. 2,719,232, Cl. 250—36.
- Ehrman, Louis H. 2,726,627, Cl. 116—129.
- Eich, Norbert J., to Bell Telephone Laboratories, Inc. 2,701,392, Cl. 18—59.
- Eichacker, Homer A., to Vonnegut Hardware Co. 2,710,216, Cl. 292—335.
- Eichel, Georg: *See—*  
Vander, Paul, and Eichel. 2,708,274.
- Eichelman, Francis J.: *See—*  
Strandwitz, Norman S., Eichelman, and Doering. 2,714,292.
- Eichenauer, Rudolf. 2,704,690, Cl. 299—97.
- Eicher, Randall Z.: *See—*  
Straub, Edward L., Eicher, and Vogel. 2,706,852.
- Eicher, Werner, A. Schild, and J. Juchli, to Ciba Ltd. 2,701,645, Cl. 210—195.
- Eichhorn, Wilhelm: *See—*  
Ruhr, Heinrich R., Eichhorn, and Jesse. 2,726,412.
- Eichin, Harry P.: *See—*  
Dougherty, Ralph W., and Eichin. 2,698,574.
- Eichler, Herschel D.: *See—*  
Stevenson, Albert E., and Eichler. 2,723,746.
- Eichler, Joyce A.: *See—*  
Vaughan, James R., Jr., and Eichler. 2,721,204.
- Eichmeier, Russell R., to Burgess Cellulose Co. 2,726,164, Cl. 117—51.
- Eichorn, Adrian, to Screen Engineering Co. 2,718,476, Cl. 117—76.
- Eicken, Henri, known as Estienne. 2,713,998, Cl. 259—95.
- Eickhorn, Karl H., and A. Langer, to Bremshey & Co. 2,726,708, Cl. 155—101.
- Eickmann, Olin J.: *See—*  
Carlson, Harold A., and Eickmann. 2,718,387.
- Eickstaedt, Edwin A. C., to Chain Belt Co. 2,727,600, Cl. 192—096.
- Eidal Mfg. Co.: *See—*  
Eidal, Roy M. 2,702,576.
- Eidal, Roy M., to Eidal Mfg. Co. 2,702,576, Cl. 153—20.
- Eifel, Joseph. 2,727,417, Cl. 81—51.3.
- Eijlander, Klaas, and J. Eijlander-Luik. 2,723,542, Cl. 66—2.
- Eijlander-Luik, Jannetje: *See—*  
Eijlander, Klaas, and Eijlander-Luik. 2,723,542.
- Eilenberger, Paul F., to Research Corp. 2,701,028, Cl. 183—7.
- Eilers, Anton F., to Servel, Inc. 2,711,086, Cl. 62—129.
- Eilers, Louis H.: *See—*  
Cardwell, Paul H., and Eilers. 2,699,213.
- Eimer, Erwin F. 2,714,869, Cl. 116—118.
- Einsele, Robert, to Rodi & Wiennenberger A.-G. 2,700,959, Cl. 120—17.
- Einson, Freeman Co., Inc.: *See—*  
Schulz, Alfred, and Wuensch. 2,723,820.
- Eirk, John C.: *See—*  
Sefren, John H., and Eirk. 2,702,203.
- Eisele, Andrew. 2,720,033, Cl. 33—178.
- Eisele, Gustav A. 2,722,211, Cl. 124—16.
- Eisele, Josef: *See—*  
Drubig, Horst, Eisele, Strattner, and Parow. 2,714,694.
- Eisele, Josef H., and A. R. Geisselsöder, to International Standard Electric Corp. 2,698,918, Cl. 317—234.
- Eisele, Otto J. 2,704,923, Cl. 60—53.
- Eisen, John B., to Bjorksten Research Laboratories, Inc. 2,705,370, Cl. 33—21.
- Elsen, John B., to Bjorksten Research Laboratories, Inc. 2,708,683, Cl. 136—19.
- Eisenberg, Bernard C. 2,719,661, Cl. 226—72.
- Eisenhart, Clair E., to Eisenhart Dairy, Inc. 2,723,791, Cl. 226—81.
- Eisenhart Dairy, Inc.: *See—*  
Eisenhart, Clair E. 2,723,791.
- Eisenhauer, Ida J.: *See—*  
Stover, Ancil C. 2,707,110.
- Eisenhauer, Leigh E.: *See—*  
Stover, Ancil C. 2,707,110.
- Eisenhauer Mfg. Co., The: *See—*  
Stover, Ancil C. 2,707,110.
- Eisenhauer, William W.: *See—*  
Stover, Ancil C. 2,707,110.
- Eisenlohr, Karl-Heinz, R. Jauernik, and H.-U. Kohrt, to Metallgesellschaft Aktiengesellschaft. 2,701,753, Cl. 23—310.
- Eisenman, Eugen. 2,706,347, Cl. 34—77.
- Eisler, Arthur J., and M. F. Moxley, to James Lees and Sons Co. 2,715,918, Cl. 139—39.
- Eisler, Charles. 2,723,861, Cl. 279—106.
- Eisler, Joseph D., and E. H. Cooley, to Stanolind Oil and Gas Co. 2,721,696, Cl. 235—61.
- Eisler, Paul, ½ to Hermoplast Ltd. 2,703,854, Cl. 336—200.
- Eisler, Paul, to Hermoplast Ltd. 2,706,697, Cl. 154—95.
- Eissmann, Oswald E., to American Machine Development Corp. 2,701,570, Cl. 131—146.
- Eitel-McCullough, Inc.: *See—*  
McCullough, Jack A. 2,713,532.  
Sorg, Harold E., Eaves, and Drieschman. 2,719,185.  
Williams, Paul D. 2,721,155.
- Ekberg, Gunnar J. E., to Aktiebolaget Broderna Ekbergs Platslägerifabrik. 2,701,723, Cl. 279—3.
- Ekco Products Co.: *See—*  
Russell, John J., Beck, and Kollman. 2,724,526.  
Zimmer, Myron J., and Duskey. 2,702,046.
- Ekelund, Einar A., to Kooperativa Forbundet Forening u.p.a. 2,701,205, Cl. 99—214.
- Ekelund, Einar A., to Kooperativa Forbundet, Forening, u. p. a. 2,711,129, Cl. 99—364.
- Ekholm, Carl R., to Chicago Metal Hose Corp. 2,713,503, Cl. 285—92.
- Ekholm, Wesley C., to Columbian Carbon Co. 2,705,189, Cl. 23—209.4.
- Ekle, Conrad: *See—*  
Paulsen, William P., and Ekle. 2,725,243.
- Eklund, Raymond A., to Teletype Corp. 2,728,905, Cl. 340—259.
- Ekman, Olof I. H. 2,724,105, Cl. 340—227.
- Eksergian, Carolus L., and W. Mann, to The Budd Co. 2,713,923, Cl. 188—251.
- Ekstrom-Carlson & Co.: *See—*  
Mann, Theodore C. 2,723,598.
- Ekstrom, Robert E., to Elematic Equipment Corp. 2,727,388, Cl. 73—208.
- Ekwall, Nils R. G. 2,705,617, Cl. 257—245.
- Elastic Stop Nut Corp. of America: *See—*  
McGuinness, William F. 2,723,698.  
Merrill, Leslie M., Karlson, and Oestnaes. 2,724,862.  
Merrill, Leslie M., Karlson, and Oestnaes. 2,724,869.  
Merrill, Leslie M., Karlson, and Oestnaes. 2,725,539.  
Peters, Howard, and Haedike. 2,702,429.  
Stimson, Jonathan C. 2,703,773.
- Elbourn, Robert D., and R. J. Slutz, to United States of America as represented by the Secretary of Commerce. 2,712,065, Cl. 250—27.
- Elder, Delmar H.: *See—*  
Frazee, Leonard A., and Elder. 2,708,318.
- Elder, Joseph R., to The Tomkin-Johnson Co. 2,719,510, Cl. 121—38.
- Elderkin, James K., ½ to J. J. Mascuch. 2,712,090, Cl. 314—52.
- Elderkin, Karl O., to Crossett Lumber Co. 2,706,434, Cl. 92—44.
- Electra Mfg. Co.: *See—*  
Woodell, Victor A. 2,724,306.  
Woodell, Victor A., and Hannaway. 2,700,368.
- Electraulic Presses Ltd.: *See—*  
Towler, John M., and F. H. 2,715,875.
- Electric Arc, Inc.: *See—*  
Gordon, George H. 2,700,093.
- Electric Controller & Mfg. Co., The: *See—*  
Myles, Asa H. 2,721,300.  
Schurr, Charles A. 2,719,966.



- Electric Controls, Inc.: *See—*  
Armstrong, Charles E. 2,699,480.
- Electric Eye Equipment Co.: *See—*  
Frommer, Joseph C. 2,709,943.
- Electric Furnace Co., The: *See—*  
Vaughan, Arthur H. 2,726,458.
- Electric & Musical Industries Ltd.: *See—*  
Atherton, Albert H. 2,708,726.  
Bull, Eric W. 2,725,496.  
Cassman, Harry, Jeynes, and Webley. 2,708,788.  
Chamberlain, Allan G. 2,701,280.  
Collard, John. 2,702,886.  
Cork, Edward C. 2,715,184.  
Cork, Edward C., and Manifold. 2,701,864.  
Hall, Ronald C. 2,717,324.  
Holman, Herbert E., and Newton. 2,716,921.  
James, Ivanhoe J., Penfound, and Lodge. 2,721,228.  
Johnson, Arthur H., and Baxendale. 2,724,277.  
Johnson, Charles A. 2,709,200.  
Legate, Rex E. 2,728,891.  
Leyton, Eric M. 2,714,135.  
Payne, Edwin M., and Harrison. 2,698,882.  
Payne, Edwin M., and Harrison. 2,701,141.  
Sommer, Alfred H. 2,702,259.  
Spencer, Rolf E., and Rey. 2,707,590.  
White, Eric L. C. 2,716,152.
- Electric Service Mfg. Co.: *See—*  
Mageoch, Harry Y. 2,709,724.
- Electric Steam Cleaner Mfg. Corp.: *See—*  
Hackman, William C. 2,706,240.
- Electric Steel Foundry: *See—*  
Larsen, Paul V. 2,709,941.
- Electric Storage Battery Co., The: *See—*  
Fankboner, Harvey O., and Codney. 2,700,299.  
Galloway, Charles D. 2,704,593.  
Gleason, Paul J., and Orth. 2,700,449.  
Raney, Robert M. 2,716,146.  
Solomon, Leroy E., and Smyth. 2,727,081.  
Strauss, Howard J. 2,724,011.
- Electrical Engineers Equipment Co.: *See—*  
Hoye, Peder B. 2,717,939.
- Electrical Products Corp.: *See—*  
Rice, Leon A. 2,719,277.
- Electricite de France: *See—*  
Gridel, Henri, and Valembois. 2,698,539.
- Electricite de France-Service National-Direction des Etudes et Recherches: *See—*  
De Changy, Gilbert. 2,710,145.
- Electrimatic Co.: *See—*  
Beekley, Henry L. 2,715,009.
- Electro-Acid Corp.: *See—*  
Gritman, Carl, Broussard, Toce, and Joynt. 2,715,082.  
Gritman, Carl, Broussard, Toce, and Joynt. 2,715,150.  
Gritman, Carl, Broussard, Toce, and Joynt. 2,715,151.  
Gritman, Carl, Toce, and Broussard. 2,715,081.  
Gritman, Carl, Toce, and Broussard. 2,715,148.  
Joynt, John H. 2,715,149.
- Electrocell Corp.: *See—*  
Mautner, Robert S., and Rosenberg. 2,701,271.  
Mautner, Robert S., and Rosenberg. 2,704,781.
- Electrocraft Co.: *See—*  
Gaston, John R. 2,710,947.
- Electrofilm, Inc.: *See—*  
Booker, Aylwin R., and Crump. 2,715,668.  
Hall, Ralph D. 2,700,623.  
Hall, Ralph D. 2,703,768.
- Electrographic Corp.: *See—*  
Reilly, Frank E. 2,704,977.
- Electro-Hydraulics Ltd.: *See—*  
Hancock, Kenneth G. 2,721,447.  
Harold, Robert E. 2,702,024.  
Neillson, Christopher B. V. 2,720,221.  
Perdue, Jack. 2,720,865.
- Electrol Inc.: *See—*  
Ashton, Benjamin N., and Holland. 2,703,217.
- Electrolux Corp.: *See—*  
Allen, Oliver L. 2,722,710.  
Cawl, Allen P. 2,714,425.  
Ferraris, John T. 2,702,325.  
Lampe, Robert C., Beede, Allen, and Cawl. 2,724,456.  
Lofgren, Gustaf E., and Ferraris. 2,725,952.  
Peterson, Axel. 2,715,946.  
Pieper, Ruth A., and Pieper. 2,715,240.
- Electrolyser Corp., Ltd.: *See—*  
Dickey, David F. 2,717,419.
- Electro Manganese Corp.: *See—*  
Godsey, Arnold R., Jr. 2,723,230.
- Electro-Mechanical Instrument Co., The: *See—*  
Pfeffer, William E. 2,710,377.
- Electro Metal Hardening Co. S. A. Tanger: *See—*  
Licharz, Carl E. 2,706,175.
- Electron Corp., The: *See—*  
Whitaker, Paul B. 2,710,762.
- Electronic Devices, Inc.: *See—*  
Weisberger, Herman, and Oestreicher. 2,721,946.  
Wolf, Irwin, and Szalkowski. 2,725,503.
- Electronics Corp. of America: *See—*  
Anderson, Norman C., and Shaw. 2,711,464.  
Krueger, Albert F. 2,722,677.  
MacDougall, Donald J. 2,714,160.  
MacDougall, Donald J., and Thomson. 2,710,365.  
Mueller, Emil H. 2,728,835.  
Thomson, Elihu C. 2,721,978.  
Thomson, Elihu C. 2,727,119.
- Electronics Research Corp.: *See—*  
Hoyt, Karl R. 2,711,983.
- Electrons, Inc.: *See—*  
Edwards, Donald V. 2,724,788.  
Kruger, William P. 2,724,786.
- Electro Physical Laboratories, Inc.: *See—*  
Traugott, Paul. 2,707,947.  
Traugott, Paul. 2,709,430.
- Electroport Systems, Inc.: *See—*  
Chambers, Russell J. 2,720,648.
- Electro-Snap Switch & Mfg. Co.: *See—*  
Sebastian, Ford. 2,718,657.
- Electrotex Corp.: *See—*  
Casper, Louis. 2,714,901.
- Electro-Watt Electrical and Industrial Management Co., Ltd.: *See—*  
Meili, Ernst. 2,702,898.
- Elematic Equipment Corp.: *See—*  
Ekstrom, Robert E. 2,727,388.
- Elenbaas, George. 2,703,117, Cl. 143—125.
- Eley, Arthur B.: *See—*  
Davies, David O., and Eley. 2,699,037.
- Elgeti, Walter A. 2,728,336, Cl. 126—343.5.
- Elgin National Watch Co.: *See—*  
Barker, George E., and Alter. 2,718,499.  
Ensign, George G., and Hoppe. 2,706,380.
- Elgin Sweeper Co.: *See—*  
Thompson, Clayton H. 2,707,542.  
Thompson, Clayton H. 2,714,527.  
Thompson, Clayton H. 2,718,952.
- Elias, Albert M.: *See—*  
Lewis, Albert M., and Elias. 2,719,211.
- Elias, Frederick R. 2,698,808, Cl. 106—271.
- Elie, Leon T., to Fairchild Aerial Surveys, Inc. 2,720,029, Cl. 33—1.
- Elifritz, Ola M.: *See—*  
Jackson, George A., Sr., and Elifritz. 2,702,840.
- Elins, Herbert S.: *See—*  
Gates, John W., Jr., and Elins. 2,713,575.
- Elion, Gertrude B.: *See—*  
Hitchings, George H., and Elion. 2,721,866.  
Hitchings, George H., and Elion. 2,724,711.
- Elison, Eli: *See—*  
Bolsey, Jacques, Elison, and Nicolosi. 2,712,770.
- Elkhart Screw Products, Inc.: *See—*  
Arbogast, Alfred C. 2,701,002.
- Elkind, Vincent T.: *See—*  
Strong, James S., Craig, and Elkind. 2,700,668.
- Elkington, James E. 2,713,865, Cl. 134—58.
- Elkins, Arthur B. 2,728,537, Cl. 244—23.
- Elleman, Albert J., to Imperial Chemical Industries Ltd. 2,718,506, Cl. 252—513.
- Ellenberger, Francis R., to General Electric Co. 2,704,649, Cl. 251—137.
- Ellenberger, Francis R., to General Electric Co. 2,728,197, Cl. 62—4.
- Ellenberger, Jakob, to Ellenberger & Poensgen G. m. b. H. 2,710,321, Cl. 200—114.
- Ellenberger & Poensgen G. m. b. H.: *See—*  
Ellenberger, Jakob. 2,710,321.
- Eller, John A., and J. S. Roehrl. 2,709,542, Cl. 222—209.
- Eller, Robert L., to Westfall Equipment Co. 2,700,232, Cl. 37—126.
- Eller, Saul A., C. K. Chatten, and W. K. Gondek. 2,708,432, Cl. 125—11.
- Ellerbeck, Grant C., to Friden Calculating Machine Co., Inc. 2,701,099, Cl. 235—73.
- Ellerbeck, Grant C., to Friden Calculating Machine Co., Inc. 2,714,989, Cl. 235—73.
- Ellerbeck, Grant C., to Friden Calculating Machine Co., Inc. 2,714,992, Cl. 235—144.
- Ellerbeck, Grant C., to Friden Calculating Machine Co., Inc. 2,722,376, Cl. 235—63.
- Ellerman, Harry E., Jr.: *See—*  
Radkowski, Leo S., Warren, Daly, and Ellerman. 2,726,550.
- Ellett, James H.: *See—*  
Danby, Spencer, Jr., Ellett, Guess, and Williams. 2,713,698.
- Ellingboe, Edmund G. 2,706,439, Cl. 97—44.
- Ellingson, Emery M.: *See—*  
Der Yuen, Frank, and Ellingson. 2,703,724.
- Elliot, Walter R.: *See—*  
Madison, Richard D., Burgin, Elliot, and Robson. 2,727,680.
- Elliot, William H., and E. W. Seeger, to Cutler-Hammer, Inc. 2,718,567, Cl. 200—87.
- Elliott Addressing Machine Co., The: *See—*  
Anderson, Wilbur M. 2,726,862.
- Elliott, Benjamin P. 2,699,262, Cl. 211—69.
- Elliott Brothers (London) Ltd.: *See—*  
Carpenter, Henry G. 2,718,599.  
Laws, Cecil A. 2,718,608.
- Elliott, Charles R.: *See—*  
Elliott, James H. 2,721,033.
- Elliott, Clarence A.: *See—*  
Elliott, Robert T. and C. A. 2,723,808.
- Elliott Co.: *See—*  
Pollard, Ernest I. 2,720,600.
- Elliott, Dwight A. 2,723,524, Cl. 56—289.
- Elliott, Elden E., to Rubber Barricade Co. Inc. 2,701,127, Cl. 256—64.
- Elliott, Eugene V. 2,728,137, Cl. 30—107.



- Elliott, George and W. W. Pharis, to Stromberg-Carlson Co. 2,702,831, Cl. 179—17.
- Elliott, George, and W. W. Pharis, to Stromberg-Carlson Co. 2,707,725, Cl. 179—17.
- Elliott, George, and W. W. Pharis, to Stromberg-Carlson Co. 2,707,728, Cl. 179—18.
- Elliott, George A. 2,725,652, Cl. 40—140.
- Elliott, George E., Jr.: *See—*
- Pardee, William A., and Elliott. 2,706,168.
- Elliott, Harmon P. 2,718,955, Cl. 197—135.
- Elliott, Harold E., and S. E. Frampton, to United Shoe Machinery Corp. 2,726,610, Cl. 112—38.
- Elliott, Harold F. 2,718,150, Cl. 74—10.2.
- Elliott, Harry E., to Hughes Tool Co. 2,727,759, Cl. 284—18.
- Elliott, Harry E., and E. D. Moskow, to Hughes Tool Co. 2,727,761, Cl. 285—168.
- Elliott, Howard A.: *See—*
- Simpkins, Robert L., Materka, and Elliott. 2,724,092.
- Elliott, James H.,  $\frac{1}{2}$  to C. R. Elliott. 2,721,033, Cl. 237—48.
- Elliott, James M., and D. R. Green. 2,716,781, Cl. 19—165.
- Elliott, Kenneth M., to Socony Mobil Oil Co., Inc. 2,723,225, Cl. 202—6.
- Elliott, Kenneth M., to Socony Mobil Oil Co., Inc. 2,726,994, Cl. 196—50.
- Elliott, Martin A., R. C. Corey, and H. Perry, to the United States of America as represented by the Secretary of the Interior. 2,703,275, Cl. 23—284.
- Elliott, Marvel A., to General Electric Co. 2,711,503, Cl. 318—221.
- Elliott, Morris R.: *See—*
- Turner, George L., and Elliott. 2,706,062.
- Elliott, Robert T. and C. A. 2,723,808, Cl. 242—84.3.
- Elliott, Stanley B., to Ferro Corp. 2,712,996, Cl. 95—7.
- Ellis, Alfred F. 2,723,411, Cl. 15—134.
- Ellis, Archie G. 2,707,055, Cl. 214—83.24.
- Ellis, Charles A., to American Optical Co. 2,711,632, Cl. 60—52.
- Ellis, Charles A., to American Optical Co. 2,715,852, Cl. 88—20.
- Ellis-Foster Co.: *See—*
- MacKenzie, Charles A., Spialter, and Schoffman. 2,721,873.
- Rust, John B., and Canfield. 2,708,662.
- Rust, John B., and Spialter. 2,709,174.
- Pannone, Laura J., and Rust. 2,713,581.
- Ellis, Glenn R. 2,719,920, Cl. 250—33.
- Ellis, Greenville B., to the United States of America as represented by the Secretary of the Army. 2,705,249, Cl. 136—107.
- Ellis, Hubert C. 2,702,611, Cl. 188—170.
- Ellis, James A. 2,700,239, Cl. 43—42.15.
- Ellis, John C., Jr., and J. Stanborough. 2,708,386, Cl. 81—165.
- Ellis, John M. 2,719,660, Cl. 226—68.
- Ellis, John R. B., to California Research Corp. 2,722,506, Cl. 202—52.
- Ellis, Obe B., and K. Oganowski, to Armco Steel Corp. 2,703,766, Cl. 117—114.
- Ellis, Robert B.: *See—*
- Stolle, Anthony D., and Ellis. 2,728,822.
- Ellis, Vonus L. 2,722,465, Cl. 308—28.
- Ellis, Weldon T., Jr. 2,726,288, Cl. 179—100.2.
- Ellison, Clarence H., and L. H. Moe, Jr., to American Instrument Co., Inc. 2,699,318, Cl. 251—158.
- Ellison, John M.: *See—*
- Northrop, John K., Brosterhouse, Dunn, Ellison, and Herman. 2,724,966.
- Ellison, Lynn E., to The Pure Oil Co. 2,728,888, Cl. 324—16.
- Elliston, Edward E.,  $\frac{1}{2}$  to E. K. Weinstein, and  $\frac{1}{2}$  to L. A. Kling. 2,705,060, Cl. 188—186.
- Ellithorpe, Clarence D., to Duplex Electric Co., Inc. 2,700,433, Cl. 186—1.
- Ellner, Eli: *See—*
- Bongiorno, Leonard. 2,722,270.
- Ellsworth, Allan R. Re. 2,746,61, Cl. 274—42.
- Ellsworth, Arthur C., Jr., and F. S. Hirsekorn, to Columbia-Southern Chemical Corp. 2,713,076, Cl. 260—648.
- Ellsworth, Carl E., to National Cylinder Gas Co. 2,711,468, Cl. 219—10.55.
- Ellsworth, Carl E., to National Cylinder Gas Co. 2,712,050, Cl. 219—10.55.
- Ellwood, William P.: *See—*
- Stover, Ancil C. 2,707,110.
- Elmendorf, Armin. 2,719,808, Cl. 154—118.
- Elmenhorst, Gerrit K. 2,699,217, Cl. 169—17.
- Elmer, Edward M., to Summers Gyroscope Co. 2,721,284, Cl. 310—266.
- Elmer, Jack T.: *See—*
- Austin, Leslie W., Elmer, and Altmann. 2,702,751.
- Elmhirst, Kathleen. 2,728,339, Cl. 128—76.
- Elmore, Carol A., 50% to U. Z. Janis. 2,705,959, Cl. 128—351.
- Elmore, Margaret E. 2,726,399, Cl. 2—73.
- Elms, James C. 2,713,288, Cl. 89—33.
- Elo, Arpad: *See—*
- Sutterfield, Noel H., and Elo. 2,722,881.
- Elofson, Richard M., to General Aniline & Film Corp. 2,700,021, Cl. 204—73.
- Elox Corp. of Michigan: *See—*
- Larkins, John S., Jr. 2,715,172.
- Elrod, Cecil M. 2,715,987, Cl. 223—74.
- Elsas, William R. 2,705,517, Cl. 150—1.
- Elsener, Carl. 2,718,695, Cl. 30—152.
- Elsholz, Walter. 2,722,068, Cl. 40—10.
- Elsky, Stanley. 2,700,215, Cl. 30—43.
- Elsner, Edwin C. 2,699,587, Cl. 24—123.
- Elsner, Edwin C. 2,721,668, Cl. 214—731.
- Elsner, Edwin C. 2,726,060, Cl. 248—361.
- Elstad, Clayton M. 2,713,109, Cl. 219—29.
- Elverston, Gilbert: *See—*
- Bold, John. 2,715,413.
- Elwell, Henry G., Jr.: *See—*
- Anastasia, Harry G., and Elwell. 2,726,544.
- Elwell, William E.: *See—*
- Levine, Irving E., and Elwell. 2,723,261.
- Ely, Charles M., to National Distillers' Products Corp. 2,717,208, Cl. 99—4.
- Ely, Charles M., and S. Schott, to National Distillers' Products Corp. 2,717,209, Cl. 99—4.
- Ely, George L., to Sylvania Electric Products Inc. 2,725,126, Cl. 189—88.
- Ely, William F.: *See—*
- Hablutz, Charles E., and Ely. 2,715,874.
- Emblem, Harold G., to Monsanto Chemicals Ltd. 2,699,410, Cl. 117—139.5.
- Embschhoff, George F., and G. Sperti, to The Institutum Divi Thomae Foundation. 2,724,790, Cl. 315—115.
- Emele, Günther, and R. Gundermann, to Krauss-Maffei A. G. 2,722,202, Cl. 123—41.82.
- Emerol Mfg. Co., Inc.: *See—*
- Pierce, Clayton B. 2,703,695.
- Emerson Electric Mfg. Co., The: *See—*
- Forthofer, Robert J. 2,703,509.
- Palmer, John A. 2,709,394.
- Roddy, Joseph T. 2,714,539.
- Emerson, Frank J. 2,704,565, Cl. 152—239.
- Emerson, George B., deceased; G. A. Bailey, executrix. 2,701,138, Cl. 273—106.
- Emerson, Howard J., to Eastman Kodak Co. 2,719,235, Cl. 250—209.
- Emerson, John F., to Bendix Aviation Corp. 2,710,942, Cl. 324—43.
- Emerson, John H. 2,699,826, Cl. 160—179.
- Emerson, John H. 2,707,948, Cl. 128—30.
- Emerson Radio and Phonograph Corp.: *See—*
- Bayha, Jack E. 2,707,356.
- Bayha, Jack E. 2,712,172.
- Emerson, William S., and R. I. Longley, Jr., to Monsanto Chemical Co. 2,700,656, Cl. 260—31.6.
- Emerson, William S., and B. S. Wildi, to Monsanto Chemical Co. 2,703,816, Cl. 260—584.
- Emert, Chloe G.: *See—*
- Emert, Laurence M. 2,703,082.
- Emert, Laurence M., deceased, by C. G. Emert, administratrix. 2,703,082, Cl. 128—133.
- Emery Carpenter Container Co.: *See—*
- Carlson, Robert C. 2,714,469.
- Emery Industries, Inc.: *See—*
- Goebel, Charles G. 2,714,603.
- Emery, Jack T., to A. Lieberman. 2,726,095, Cl. 280—79.2.
- Emery, John F., to Serugo Rubber Co. 2,711,737, Cl. 128—294.
- Emery, John V., Jr. 2,704,413, Cl. 43—42.09.
- Emery, Raymond W., to International Business Machines Corp. 2,724,061, Cl. 307—88.5.
- Emery, William M. 2,710,414, Cl. 5—319.
- Emhart Mfg. Co.: *See—*
- Ardell, Edgar. 2,727,664.
- Curry, John F., and Burchett. 2,720,162.
- Dahms, Arthur J. 2,707,640.
- Gardner, Edward B. 2,719,567.
- Holstebro, Kaye B., Ardell, and Mosley. 2,728,177.
- Honiss, William T. 2,707,353.
- Honiss, William T. 2,725,682.
- Jennings, Frank C. 2,706,847.
- Peiler, Karl E. 2,707,354.
- Peiler, Karl E. 2,707,355.
- Peiler, Karl E. 2,707,621.
- Rowe, George E. 2,702,444.
- Wimmer, Ludwig, and Ardell. 2,713,448.
- Wythe, Frederick J. 2,725,681.
- Emler, Frank W.: *See—*
- Jacobs, Walter A. E., and Emler. 2,699,089.
- Emley, Edward F., and W. Unsworth, to Magnesium Elektron Ltd. 2,716,603, Cl. 75—67.
- Emmens, Hendrik, to Hartford National Bank and Trust Co. 2,726,167, Cl. 117—33.5.
- Emmer, Charles E., to Warren Featherbone Co. 2,721,399, Cl. 36—7.1.
- Emmerling, John P.: *See—*
- Hecht, Ludwig J., and Emmerling. 2,707,692.
- Emmerson, John O., to The Kaman Aircraft Corp. 2,717,653, Cl. 170—160.55.
- Emmert, Clayton F., and W. H. Stouder, to Automatic Washer Co. 2,700,473, Cl. 210—76.
- Emmert, Richard J.: *See—*
- Van Valkenburg, Howard E., and Emmert. 2,723,357.
- Emmert, Roland C. 2,719,383, Cl. 45—139.
- Emmett, John: *See—*
- Emmett, Thomas D. 2,719,576.
- Emmett, Sophia: *See—*
- Emmett, Thomas D. 2,719,576.
- Emmett, Thomas D., 15% to S. Emmett, 15% to T. Emmett, Jr., and 15% to J. Emmett. 2,719,576, Cl. 155—167.
- Emmett, Tom, Jr.: *See—*
- Emmett, Thomas D. 2,719,576.
- Emory, James H.: *See—*
- Edeard, John F., and Emory. 2,726,930.



- Empire Box Corp.: *See*—  
 Klein, Stanley J. 2,702,663.  
 Kowal, Michael H. 2,712,397.
- Empire Brushes, Inc.: *See*—  
 Gantz, Emanuel. 2,704,853.  
 Schwartz, Harold H., and Tucker. 2,716,768.
- Empire Metal Cap Co. Inc.: *See*—  
 Merolle, Augustus L. 2,723,040.
- Empire Oil Co.: *See*—  
 Zelkowitz, Philip. 2,704,931.
- Empire Plow Co., The: *See*—  
 Radway, Henry L. 2,704,499.
- Emrick, Melvin H. 2,706,549, Cl. 192—113.
- Emsco Co.: *See*—  
 Amerman, Jack A. 2,717,184.  
 Tremolada, Guglielmo R. 2,721,748.  
 Tremolada, Guglielmo R., and Preston. 2,698,734.  
 Webster, Samuel W. 2,725,213.
- Emsig Mfg. Co.: *See*—  
 Suche, Joseph R. 2,701,880.
- Emslie, Alfred G., to the United States of America as represented by the Secretary of War. 2,710,398, Cl. 343—7.7.
- Enabnit, Robert S., to The Goodyear Tire & Rubber Co. 2,726,821, Cl. 242—31.
- Enchelmaier, William F. 2,701,739, Cl. 300—2.
- Endebak, Peter J., to Tuthill Pump Co. 2,723,626, Cl. 103—205.
- Ender, Willibald: *See*—  
 Trieschmann, Hans-Georg, Ender, Reuter, and Froese. 2,711,997.
- Endicott Church Furniture Co., Inc.: *See*—  
 Endicott, Don. 2,703,603.
- Endicott, Don, to Endicott Church Furniture Co., Inc. 2,703,603, Cl. 155—184.
- Endicott Johnson Corp.: *See*—  
 Marcy, Robert J. 2,720,042.  
 Marcy, Robert J. 2,723,468.
- Endo Products Inc.: *See*—  
 Schlesinger, Albert, Weiner, and Gordon. 2,712,016.  
 Schlesinger, Albert, Weiner, and Gordon. 2,728,780.
- Endres, Herbert A., J. W. Shaw, Jr., and H. B. Pullar, to Wingfoot Corp. 2,700,655, Cl. 260—28.5.
- Endres, Richard O.: *See*—  
 Eberhard, Everett, and Endres. 2,704,792.
- Endres, Richard O., and L. L. Blair, to Radio Corp. of America. 2,711,509, Cl. 324—34.
- Endsley, Louis E., to Warren Tool Corp. 2,726,043, Cl. 238—315.
- Endsley, Louis E., and R. W. McIntyre, to Warren Tool Corp. 2,726,044, Cl. 238—315.
- Energized Materials Corp.: *See*—  
 Reed, Eza G. 2,702,406.
- Engdahl, Seth M. F., and R. R. G. Rasmussen. 2,709,214, Cl. 219—39.
- Engebretson, Earl L., and R. A. and R. J. Halley. 2,723,119, Cl. 271—45.
- Engel, Charles F. 2,708,480, Cl. 164—76.
- Engel, Edward W.: *See*—  
 Eger, Laszlo W., and Engel. 2,726,967.
- Engel, J. Anthony, to Easy Washing Machine Corp. 2,718,066, Cl. 34—45.
- Engel, Paul R., to Carl Wirth & Son, Inc. 2,716,361, Cl. 77—76.
- Engel, William T., to Radio Corp. of America. 2,725,901, Cl. 140—71.5.
- Engel, Wolfgang, to Gritzner-Kayser Aktiengesellschaft. 2,713,839, Cl. 112—215.
- Engelder, Arthur E. 2,702,089, Cl. 183—4.8.
- Engelder, Arthur E. 2,704,540, Cl. 128—2.07.
- Engelder, Arthur E. 2,717,100, Cl. 222—5.
- Engeler, Walter. 2,717,545, Cl. 95—73.
- Engelfried, Otto: *See*—  
 Junkmann, Karl, and Engelfried. 2,713,062.
- Engelhardt, Alfred: *See*—  
 Bratzler, Karl, and Engelhardt. 2,722,999.  
 Engelhardt, Rudolf, and H. Arledter, to Farbenfabriken Bayer Aktiengesellschaft. 2,703,857, Cl. 317—261.
- Engelhardt, Vaughn A., and M. L. Peterson, to E. I. du Pont de Nemours & Co. 2,716,633, Cl. 204—158.
- Engelmann, Herbert F.: *See*—  
 Grieg, Donald D., and Engelmann. 2,721,312.  
 Grieg, Donald D., Engelmann, and Kostriza. 2,710,946.  
 Grieg, Donald D., Engelmann, and Kostriza. 2,725,535.
- Engh, Casper H. 2,708,374, Cl. 74—424.8.
- Enghauser Mfg. Co., Inc.: *See*—  
 Enghauser, Winford L. 2,709,381.
- Enghauser, Winford L., to Enghauser Mfg. Co., Inc. 2,709,381, Cl. 78—89.
- Engineered Products Co., The: *See*—  
 Comey, Charles S., Saxton, and Stuerzl. 2,707,798.
- Engineering Laboratories, Inc.: *See*—  
 Baker, Buford M. 2,711,649.
- Engine Parts Mfg. Co., The: *See*—  
 North, Harold D., Jr., and Phillips. 2,706,133.  
 North, Harold D., Jr., and Stetz. 2,726,027.
- Engis Equipment Co.: *See*—  
 Swan, Richard J. 2,713,759.
- Engis Ltd.: *See*—  
 Swan, Richard J. 2,709,323.
- England, Elwood G. 2,717,670, Cl. 190—16.
- England, John W. Re. 23,927, Cl. 289—14.
- Englander Co., Inc., The: *See*—  
 Kann, Emil A. 2,712,872.  
 Piliero, James. 2,698,444.  
 Piliero, James. 2,714,730.
- Engle, Walter E., and D. E. Leonard. 2,709,953, Cl. 98—2.
- Englehart, Oscar D.: *See*—  
 Martin, Thomas P., and Englehart. 2,721,157.
- Engler, Max, to The General Tire and Rubber Co. 2,722,590, Cl. 219—19.
- English, Charles L.: *See*—  
 Dempsey, Oscar E. 2,710,740.
- English Electric Co. Ltd., The: *See*—  
 Frankel, Adolf. 2,711,071.  
 Mitchell, Alec B. 2,711,304.  
 Smart, David L. 2,721,960.  
 Wells, Norman S. 2,709,774.  
 Wilson, Graham R., and Asbury. 2,725,509.  
 Young, Arthur J., and Dehlsen. 2,724,069.
- English Electric Valve Co. Ltd.: *See*—  
 Thompson, Frederick C., Esterson, and Crook. 2,727,185.  
 Thompson, Frederick C., Esterson, and Young. 2,716,711.
- English, Harvey W. 2,721,313, Cl. 339—76.
- English, Herdis G.: *See*—  
 Youngren, Harold T., English, and Hettinger. 2,699,076.  
 Youngren, Harold T., English, and Hettinger. 2,715,343.  
 Youngren, Harold T., English, and Hettinger. 2,720,298.
- English, Herdis G., to Ford Motor Co. 2,701,531, Cl. 103—115.
- English, Jackson P.: *See*—  
 Rogers, Margaret M., and English. 2,712,011.
- English, Joseph M., Jr., to the United States of America as represented by the Attorney General. 2,712,514, Cl. 154—121.
- English Mica Co., The: *See*—  
 Rolston, John A. 2,704,604.
- English Numbering Machines Ltd.: *See*—  
 Bud, Hans, and Greenhow. 2,713,971.
- English, Thomas H. 2,699,863, Cl. 199—50.
- Engstrand, Gunnar C., to Frederic R. Harris, Inc. 2,728,319, Cl. 114—46.
- Engström, Carl-Gunner D. 2,699,163, Cl. 128—29.
- Engstrom, Henry O.: *See*—  
 Luce, Richard W., and Engstrom. 2,706,138.
- Engstrom, John R.: *See*—  
 Malmros, Gustav V. A., Engstrom, and Rex. 2,705,493.
- Engstrom, Paul A., to Gray Marine Motor Co. 2,708,824, Cl. 60—30.
- Engstrom, Ralph W.: *See*—  
 Stoudenheimer, Richard G., and Engstrom. 2,728,014.
- Engwall, Carl E. 2,723,614, Cl. 97—227.
- Enkvist, Terje U. E.: *See*—  
 Häglund, Erik K. M., and Enkvist. 2,711,430.
- Enloe, Kenneth M.: *See*—  
 Fernald, Gordon H., and Enloe. 2,707,201.
- Enos, Henry F.: *See*—  
 Bennett, Robert R., and Enos. 2,726,172.
- Enrich, Henry A., to Henry A. Enrich & Co. Inc. 2,705,180, Cl. 312—3.
- Enrich, Henry A., & Co. Inc.: *See*—  
 Enrich, Henry A. 2,705,180.
- Ens, Emil J.: *See*—  
 Kratt, William, and Ens. 2,700,245.  
 Kratt, William, and Ens. 2,726,566.
- Ensign, Elbert E., to Ford Motor Co. 2,716,602, Cl. 75—53.
- Ensign, Elbert E., R. A. Van Patten, and J. M. Bleuenstein, to Ford Motor Co. 2,726,431, Cl. 22—193.
- Ensign, George G., and R. C. Hoppe, to Elgin National Watch Co. 2,706,380, Cl. 58—107.
- Ensign, Robert H.: *See*—  
 Holloway, Don C., and Ensign. 2,713,899.  
 Peltz, Gordon M., and Ensign. 2,726,444.  
 Teague, Walter D., and Ensign. 2,713,897.
- Ensinger, Clarence C.: *See*—  
 Nye, Norman H., Penn, Ensinger, and Sorrick. 2,703,612.
- Ensinger, Willis B. 2,711,356, Cl. 308—178.
- Enslein, Kurt, to Stromberg-Carlson Co. 2,719,919, Cl. 250—33.
- Enslein, Kurt, to General Dynamics Corp. 2,727,994, Cl. 250—40.
- Ensley, Burl M.: *See*—  
 Plano, John W., and Ensley. 2,725,959.
- Ensminger, Arthur A., to The F. C. Russell Co. Re. 24,077, Cl. 189—64.
- Ensminger, Clarence W.: *See*—  
 Johnson, Axel E. F., Ensminger, and Clarke. 2,709,534.
- Ensminger, Harry, to C-O-Two Fire Equipment Co. 2,698,730, Cl. 251—52.
- Enterprise Mfg. Co., The: *See*—  
 Sarah, Thomas F. 2,708,079.  
 Sarah, Thomas F. 2,713,463.
- Enterprise-Moakler Co. Inc.: *See*—  
 Blake, Samuel. 2,703,933.
- Enterprise Railway Equipment Co.: *See*—  
 Dath, George E. 2,712,290.  
 Dorey, George B. 2,712,289.  
 Dorey, George B. 2,719,492.  
 Dorey, George B. 2,720,173.  
 Dorey, George B. 2,720,174.  
 Dorey, George B. 2,720,175.  
 Willard, George B., and Wallace. 2,726,744.
- Enterprise Wheel and Car Corp.: *See*—  
 Jones, Frank A. 2,709,527.



- Enthone, Inc.: *See*—  
Goral, Raymond W. and R. 2,706,171.  
Meyer, Walter R. 2,698,781.  
Meyer, Walter R. 2,714,089.
- Entler, William H. 2,721,450, Cl. 62—45.
- Entwistle, James L., Co., The: *See*—  
Nelson, Alden W. 2,706,091.  
Nelson, Alden W., and Borgeson. 2,711,026.
- Envo-Tab Co.: *See*—  
Buda, Chester, and Mittermayer. 2,718,828.
- Enzymatic Chemicals, Inc.: *See*—  
Carlson, Virginia W. and W. W. 2,709,150.
- Ephraim, Max, Jr., and R. I. Traver, to General Motors Corp. 2,711,303, Cl. 251—263.
- Epifanoff, Vladimir: *See*—  
Adamtchik, Michael T., and Epifanoff. 2,728,498.
- Epley, Frederic I., to Combustion Engineering, Inc. 2,702,531, Cl. 122—479.
- Eppell, Norman S. 2,703,286, Cl. 99—166.
- Eppig, Henry J.: *See*—  
Hart, David, Eppig, and Powers. 2,700,603.
- Eppe, Paul F., to Conmar Products Corp. 2,705,345, Cl. 18—42.
- Eppler, Andrew, Jr.: *See*—  
Butler, Ernest L., and Eppler. 2,712,649.
- Epsilon Trust: *See*—  
Luckhardt, Johannes. 2,710,645.
- Epstein, Bernard: *See*—  
Epstein, Hirsch. 2,725,616.
- Epstein, Henry D., to Metals & Controls Corp. 2,700,714, Cl. 200—122.
- Epstein, Hirsch, 1/2 to L. R. Duman. 2,704,801, Cl. 219—2.
- Epstein, Hirsch, deceased; B. Epstein, executor, of 50% to L. R. Duman, 30% to R. Epstein, and 20% to B. Epstein. 2,725,616, Cl. 29—155.58.
- Epstein, Milton, to Industrial Engineering & Equipment Co. 2,712,588, Cl. 219—34.
- Epstein, Norman N., to Lenkurt Electric Co., Inc. 2,727,993, Cl. 250—36.
- Epstein, Ruth: *See*—  
Epstein, Hirsch. 2,725,616.
- Epstein, Saul. 2,714,395, Cl. 138—87.
- Equipment Development Co., Inc.: *See*—  
Smith, Edmund G., and Cocchiarella. 2,725,144.
- Equitable Paper Bag Co., Inc.: *See*—  
Poppe, George W. 2,711,853.  
Poppe, George W. 2,712,410.  
Poppe, George W. 2,726,804.
- Erb, Annie B.: *See*—  
Erb, George C. 2,700,355.
- Erb, George C., deceased; by A. B. Erb, executrix, to American Can Co. 2,700,355, Cl. 113—120.
- Erban, Richard T. 2,711,669, Cl. 88—24.
- Erbe, John R.: *See*—  
Fennell, Frank C., and Erbe. 2,703,858.
- Erbe, Paul E., to Textron American, Inc. 2,723,707, Cl. 154—29.
- Erbel, Arthur J.: *See*—  
Kenaga, Duane L., and Erbel. 2,725,311.
- Erbgnth, Paul F. K., to Weston Electrical Instrument Corp. 2,718,239, Cl. 137—586.
- Erechak, Michael, Jr., to Allied Chemical & Dye Corp. 2,712,534, Cl. 260—28.5.
- Erechak, Michael, Jr., to Allied Chemical & Dye Corp. 2,713,071, Cl. 260—617.
- Erechak, Michael, Jr., to Allied Chemical & Dye Corp. 2,717,910, Cl. 260—642.
- Erechak, Michael, Jr., K. F. Koch, and H. Knutson, to Allied Chemical & Dye Corp. 2,701,242, Cl. 260—63.
- Ercolino, Michael D. 2,699,500, Cl. 250—33.53.
- Erdelyi, Ferenc, and K. Steenholdt, to Wilhelm Fette Prazisionswerkzeug-Fabrik. 2,720,801, Cl. 80—6.
- Erdman, Edward W., 1/4 to E. D. Lampard. 2,718,371, Cl. 251—84.
- Erdmann, Hans, to Waldes Kohinoor, Inc. 2,712,398, Cl. 221—220.
- Erdos, Leslie L. 2,707,784, Cl. 1—49.8.
- Ergen, William K., to Radio Corp. of America. 2,702,367, Cl. 324—68.
- Ergen, William K., to the United States of America as represented by the Secretary of the Air Force. 2,726,038, Cl. 235—61.
- Erhardt, John E., Jr., to Crown Cork & Seal Co., Inc. 2,701,716, Cl. 271—2.2.
- Erhardt, Oscar P., to Derby Sealers, Inc. 2,719,713, Cl. 271—2.4.
- Erich, Reuben. 2,705,271, Cl. 200—152.
- Erick, Walter P., to The Upson Co. Re. 24,003, Cl. 117—140.
- Erick, Walter P., to The Upson Co. Re. 24,011, Cl. 117—140.
- Erickson, Anton F., to General Motors Corp. 2,699,122, Cl. 103—126.
- Erickson, Anton F., to General Motors Corp. 2,722,103, Cl. 60—54.6.
- Erickson, Barnard. 2,700,817, Cl. 30—73.
- Erickson, Carl E., to Viking Mfg. Co. 2,705,597, Cl. 241—101.
- Erickson, Clifford E., to General Electric Co. 2,720,037, Cl. 34—45.
- Erickson, Clifford E., and G. D. Graham, to General Electric Co. 2,701,421, Cl. 34—45.
- Erickson, Edwin R.: *See*—  
Hill, Edward L., Erickson, and Berntsen. 2,705,224.
- Erickson, Eric C. 2,728,139, Cl. 30—155.
- Erickson, Henry, to Sinclair Refining Co. 2,719,010, Cl. 241—17.
- Erickson, John D., to Minnesota Mining & Mfg. Co. 2,726,783, Cl. 216—22.
- Erickson, John G., to General Mills, Inc. 2,698,847, Cl. 260—268.
- Erickson, John W., to Westinghouse Electric Corp. 2,708,564, Cl. 253—39.15.
- Erickson, Julius E. 2,722,796, Cl. 56—256.
- Erickson, Lennart G.: *See*—  
Appert, Kurt E., and Erickson. 2,710,920.
- Erickson, Leonard A., to The Commonwealth Engineering Co. of Ohio. 2,709,916, Cl. 73—141.
- Erickson, Lewis C., to National Iron Co. 2,700,482, Cl. 214—103.
- Erickson, Lewis C., 1/4 to R. B. Wiprud. 2,714,772, Cl. 37—43.
- Erickson, Lewis C. 2,728,445, Cl. 198—203.
- Erickson, Martin A., and E. A. Thorwall, to Ford Motor Co. 2,719,401, Cl. 56—400.
- Erickson, Norman P. 2,709,622, Cl. 299—13.
- Erickson, Porter W., and I. Silver, to the United States of America as represented by the Secretary of the Navy. 2,720,470, Cl. 117—126.
- Erickson, Reynold R. 2,723,890, Cl. 311—104.
- Erickson, Robert M., to Agricultural Laboratories, Inc. 2,726,948, Cl. 71—7.
- Erickson, Roger L.: *See*—  
Woolrich, Willis R., Jr., and Erickson. 2,702,709.
- Erickson Tool Co.: *See*—  
Benjamin, Milton L. and S. S. 2,727,748.
- Erickson, Vedick A., and R. F. Vance, to International Harvester Co. 2,724,318, Cl. 97—189.
- Erickson, Virginius R.: *See*—  
Webber, Charles R., and Erickson. 2,722,004.
- Erickson, Virginius R., and B. B. Bullwinkle, to Powder Power Tool Corp. 2,713,166, Cl. 1—60.
- Erickson, Virginius R., and B. B. Bullwinkle, to Powder Power Tool Corp. 2,722,003, Cl. 1—60.
- Erico Products, Inc.: *See*—  
Carlson, Noble G. 2,710,434.
- Ericson, Albert A., to The Farmingdale Corp. 2,707,374, Cl. 60—51.
- Ericson, Franklin R., to General Electric Co. 2,702,688, Cl. 253—78.
- Ericson, George R.: *See*—  
Coffey, Irven E., and Ericson. 2,725,864.
- Ericson, George R. 2,725,717, Cl. 60—19.
- Ericson, John R.: *See*—  
Garbarini, Robert F., Wheeler, and Ericson. 2,712,269.
- Ericson, Lester W., to Tri-Bilt Products Inc. 2,718,885, Cl. 126—285.
- Ericsson, Eric A., A. O. Jorgensen, and S. L. Overby, to Telefonaktiebolaget L. M. Ericsson. 2,725,474, Cl. 250—36.
- Erie Resistor Corp.: *See*—  
Foster, James H. 2,717,356.  
Gribble, Walter G. 2,726,304.  
Heibel, Jerome D. 2,702,878.  
Minnium, Byron B. 2,714,239.  
Schell, John W. 2,704,992.  
Schell, John W. 2,725,312.  
Siegrist, Paul F. 2,715,256.  
Steigerwalt, Oliver I. 2,716,268.
- Erie Tool Works: *See*—  
Dyczynski, Karol T. 2,700,911.
- Eriez Mfg. Co.: *See*—  
Hoff, Ronald C. 2,709,002.
- Erikson, Bror W., to General Electric Co. 2,728,879, Cl. 317—158.
- Erikson, Walter H., and E. Rossbacher, to General Dynamics Corp. 2,721,743, Cl. 274—4.
- Eriksson, Maurits S. 2,716,757, Cl. 4—166.
- Erisman, John L., to Link-Belt Co. 2,720,710, Cl. 34—28.
- Erlanger, N., Blumgart, & Co., Inc.: *See*—  
Ehrlich, Joseph R. 2,720,909.
- Erle, Donald Z., to Bendix Aviation Corp. 2,702,455, Cl. 60—54.6.
- Erlewine, Edward F. 2,710,766, Cl. 294—79.
- Erner, William E.: *See*—  
Boedeker, Edward R., and Erner. 2,719,183.
- Ernest, Fred. 2,716,676, Cl. 200—6.
- Ernest, Fred, to G. H. Hall. 2,719,767, Cl. 309—7.
- Ernst, Bessie H. 2,720,095, Cl. 66—117.
- Ernst, Carl J., to Bro-Kade Wall Finish Co. Inc. 2,704,905, Cl. 41—26.
- Ernst, Edward W., to University of Illinois Foundation. 2,728,522, Cl. 235—61.
- Ernst, Henry, Jr.: *See*—  
Cahn, Robert P., and Ernst. 2,725,349.
- Ernst, John L., and J. L. Betts, Jr., to Esso Research and Engineering Co. 2,719,163, Cl. 260—346.6.
- Ernst, Walter, to The Commonwealth Engineering Co. of Ohio. 2,725,025, Cl. 113—45.
- Erson, Erik G.: *See*—  
McClure, Glenn T., Thomas, and Erson. 2,723,884.
- Erson, Erik G., to Westinghouse Air Brake Co. 2,720,428, Cl. 303—22.
- Ertman, Louis. 2,718,863, Cl. 113—101.
- Ertner, Edward W., to Western Electric Co., Inc. 2,706,092, Cl. 242—58.
- Erving, Charles H., Jr., to Bell Telephone Laboratories, Inc. 2,719,775, Cl. 346—139.
- Erving, Eric R. 2,705,520, Cl. 152—219.
- Erwin, John R. 2,720,356, Cl. 230—122.
- Erwin, Kathrine S.: *See*—  
Sargeant, Walter E., and Erwin. 2,719,257.



- Erwin, Robert L., to Ford Motor Co. 2701,538, Cl. 111—51.  
 Erwin, Wesley S.: *See*—  
   Sargeant, Walter E., and Erwin. 2,719,257.  
 Erwin, William R., Jr.: *See*—  
   Spalding, Joe P., and Erwin. 2,705,391.  
 Erythropel, Hermann: *See*—  
   Gunzelmann, Rudolph, Erythropel, and Krüger. 2,724,656.  
 Erzer, John K., to General Electric Co. 2,719,491, Cl. 105—206.  
 Escher Wyss Aktiengesellschaft: *See*—  
   Keller, Curt, and Salzmann. 2,708,883.  
   Obriest, Heinrich A. 2,701,313.  
 Esco Cabinet Co.: *See*—  
   Cann, Harry E., Sr., and M. B. 2,713,248.  
   Cann, Harry E., Sr., and M. B. 2,713,251.  
 Escure, Marcel M., to J. V. Goasguen. 2,698,952, Cl. 10—101.  
 Eshbaugh, Jesse E., to General Motors Corp. 2,722,338, Cl. 220—40.  
 Eshbaugh, Jesse E., to General Motors Corp. 2,728,227, Cl. 73—319.  
 Eskew, Roderick K., and J. B. Claffey, to the United States of America as represented by the Secretary of Agriculture. 2,718,469, Cl. 99—142.  
 Eskimo Pie Corp.: *See*—  
   Nelson, Christian K. 2,704,442.  
 Eskin, Samuel G., to The Dole Valve Co. 2,711,458, Cl. 200—140.  
 Eskridge, Wade A.: *See*—  
   Bossard, Le Roy T., and Eskridge. 2,725,752.  
 Esler, Richard B., to The Firestone Tire & Rubber Co. 2,713,242, Cl. 57—12.  
 Esler, William F.: *See*—  
   Noon, Alonzo W. 2,712,860.  
 Esmeier, Edward F.: *See*—  
   Brown, Bertrand H., and Esmeier. 2,708,343.  
 Espenschied, William: *See*—  
   Myers, Paul T. 2,728,903.  
 Espersen, George A., to North American Philips Co., Inc. 2,698,913, Cl. 313—240.  
 Espitalier, Ernest E. 2,723,453, Cl. 30—310.  
 Esposito, Augustus, and A. Galantino. 2,712,883, Cl. 221—201.  
 Esposito, John, Jr., to American Cyanamid Co. 2,715,466, Cl. 210—199.  
 Espy, James R. 2,719,042, Cl. 279—9.  
 Essary, Eskel O., and M. I. Darrow, to Swift & Co. 2,718,872, Cl. 119—18.  
 Esselman, Richard B., to Farr Co. 2,721,577, Cl. 137—589.  
 Esselman, Richard B., and A. W. Hardy, to Farr Co. 2,703,519, Cl. 98—18.  
 Esselman, Walter H., and A. O. Lund, to Westinghouse Electric Corp. 2,722,647, Cl. 318—326.  
 Essex Aero Ltd.: *See*—  
   Cross, Reginald J. 2,724,979.  
 Essex Electronics: *See*—  
   Montllor, James A. 2,713,144.  
 Essex, Robert L.: *See*—  
   Burke, William F., and Essex. 2,724,362.  
 Essex Wire Corp.: *See*—  
   Carlson, Elmer A. 2,723,082.  
   Du Rocher, Gideon A. 2,727,200.  
   Farison, Glenn S. 2,707,216.  
   Getz, Raymond F., and Toelle. 2,701,865.  
   Guzzo, Joseph, and Helgason. 2,706,280.  
   Holton, Addison E. 2,704,355.  
   Simpkins, Robert L., Materka, and Elliott. 2,724,092.  
   Taormina, Anthony J. 2,708,740.  
   Vogler, Benjamin T. 2,725,447.  
 Essick Mfg. Co.: *See*—  
   Brookins, Richard N. 2,705,151.  
   Brookins, Richard N. 2,720,826.  
 Essmuller, Bernard H.: *See*—  
   Neibel, DeWitt E., and Essmuller. 2,727,624.  
 Esso Research and Engineering Co.: *See*—  
   Abendroth, Guss F. 2,716,454.  
   Abendroth, Guss F. 2,727,575.  
   Abendroth, Guss F., Ilfrey, and Tausch. 2,725,107.  
   Adams, Clark E., and Kimberlin. 2,719,111.  
   Allen, Thomas O., and McDuffie. 2,718,264.  
   Arundale, Erving, and Mikeska. 2,721,223.  
   Assellin, George F. 2,703,306.  
   Baker, Harold T., and Watts. 2,718,505.  
   Banes, Fred W., and Mirviss. 2,728,742.  
   Bartlett, Jeffrey H. 2,718,504.  
   Bartlett, Jeffrey H., Rudel, and Cyphers. 2,705,694.  
   Rauch, Werner A. 2,707,706.  
   Baumgarten, Peter K., Hoffmann, and Wadley. 2,717,861.  
   Baumgartner, F. Neil. 2,723,240.  
   Baumgartner, Frederick N. 2,712,530.  
   Bayhl, Joseph F. 2,706,011.  
   Bielstein, Walter J. 2,709,070.  
   Binder, George G., Jr. 2,718,262.  
   Biribauer, Frank A., Staib, and Mertzweiler. 2,726,199.  
   Black, James F., and Oathout. 2,716,634.  
   Bohlbro, Hans. 2,728,805.  
   Bonner, Louis F. 2,713,010.  
   Roucher, Frank G. 2,706,617.  
   Roucher, Frank G. 2,706,618.  
   Roucher, Frank G. 2,709,069.  
   Brenneman, Albert E. 2,706,149.  
   Bronson, Stanley O., II, Morbeck, and Sweetser. 2,717,857.  
   Esso Research and Engineering Co.: *See*—Continued.  
   Bronson, Stanley O., II, Morbeck, and Sweetser. 2,717,858.  
   Bryan, John L., Jr., Curry, and Rivet. 2,705,420.  
   Buckley, Stuart E., and Mounce. 2,708,155.  
   Buckley, Stuart E., and Mounce. 2,725,282.  
   Burnside, Harvey E. W., Maisel, and Wood. 2,722,476.  
   Cahn, Robert P., and Ernst. 2,725,349.  
   Cannon, George E. 2,717,764.  
   Charlet, Elphege M., and Lanneau. 2,717,864.  
   Cier, Harry E. 2,709,155.  
   Cohen, Charles A., and Mikeska. 2,716,662.  
   Cottle, Delmer L., and Young. 2,705,724.  
   Cottle, Delmer L., and Young. 2,711,415.  
   Cottle, Delmer L., Vanderbilt, and Smith. 2,721,222.  
   Crookston, Robert R. 2,716,997.  
   Crookston, Robert R. 2,722,402.  
   Crookston, Robert R., and Griffin. 2,728,547.  
   Crookston, Robert R., and Seljos. 2,726,846.  
   Cyphers, Elmer B., and Moody. 2,716,089.  
   Dauber, Louis, Mueller, and Fell. 2,708,682.  
   Daussat, Russell L. 2,709,159.  
   Delly, Fredric H. 2,724,575.  
   Doering, Felix F., Jr., and Voorhies. 2,717,866.  
   Doeringer, Russell C., and Carlson. 2,713,075.  
   Dole, Stephen H., and Knox. 2,713,022.  
   Draeger, Arthur A. 2,721,832.  
   Dudley, Richard H., and Weeks. 2,726,997.  
   Duncan, Gordon W., Lifson, and Haworth. 2,706,677.  
   Earhart, Harold W. 2,721,166.  
   Edson, Murray H., and Di Gennaro. 2,721,830.  
   Ernst, John L., and Betts. 2,719,163.  
   Etherington, Lewis D. 2,710,668.  
   Fasce, Egi V., and Mertzweiler. 2,705,729.  
   Felix, James R. 2,717,854.  
   Fenske, Merrell R. 2,721,164.  
   Fenske, Merrell R. 2,728,708.  
   Fenske, Merrell R., and Geier. 2,723,940.  
   Fenske, Merrell R., and Jones. 2,725,344.  
   Ferguson, Henry B. 2,709,206.  
   Forster, Eric O. 2,703,659.  
   Freeman, William A., Jr., and Camp. 2,708,102.  
   Fritz, Robert J., and Etherington. 2,723,000.  
   Gleason, Anthony H. 2,712,561.  
   Gornowski, Edward J. 2,710,827.  
   Gornowski, Edward J., and Rich. 2,725,341.  
   Hakala, Niilo V., and Kane. 2,716,090.  
   Hale, Cecil H. 2,726,268.  
   Hamner, Glen P. 2,705,698.  
   Heigl, John J., and Hinlicky. 2,718,597.  
   Heilman, William O., and Ogorzaly. 2,718,263.  
   Heintz, Karl O., Dunaway, and Chernosky. 2,718,707.  
   Hemminger, Charles E. 2,707,701.  
   Hibshman, Henry J. 2,724,717.  
   Hickok, John E., Tobias, and McGee. 2,726,993.  
   Hildebrandt, Alexander B. 2,708,567.  
   Hill, Max W., and Jones. 2,712,528.  
   Hill, Ralph M., and Lynch. 2,709,645.  
   Hillard, George O., Jr. 2,716,587.  
   Hodges, Linnie P. 2,717,879.  
   Howell, William C., Jr., and Wadley. 2,724,654.  
   Hunter, Edward A., and Segura. 2,722,503.  
   Ilfrey, William T., and True. 2,716,341.  
   Jares, Stanley E., Gleason, and Leary. 2,728,801.  
   Jennings, Louis A., and Stricklan. 2,721,831.  
   Jones, Minor C. K. 2,703,307.  
   Kanady, William E. 2,705,920.  
   Kearby, Kenneth K. 2,708,187.  
   Kearby, Kenneth K. 2,713,074.  
   Kearby, Kenneth K., Kirshenbaum, and Gilbert. 2,728,713.  
   Kearby, Kenneth K., and May. 2,719,112.  
   Kimberlin, Charles N., Jr. 2,713,037.  
   Kimberlin, Charles N., Jr. 2,726,216.  
   Kimberlin, Charles N., Jr., and Gladrow. 2,708,186.  
   Kimberlin, Charles N., Jr., and Gray. 2,717,865.  
   Kimberlin, Charles N., Jr., Mason, and Krebs. 2,721,168.  
   Kittleson, Allen R. 2,713,058.  
   Kittleson, Allen R. 2,724,698.  
   Knapp, Carroll L., Jr., and Black. 2,711,484.  
   Knox, William T., Jr., and Dole. 2,703,292.  
   Koenecke, Donald F., and Mahan. 2,709,662.  
   Krebs, Robert W. 2,709,676.  
   Leary, Robert F. 2,714,620.  
   Leary, Robert F., and Banes. 2,718,492.  
   Leary, Robert F., Jares, and Gleason. 2,712,562.  
   Ledgerwood, Leroy W., Jr. 2,717,761.  
   Ledgerwood, Leroy W., Jr. 2,724,574.  
   Lewis, Warren K. 2,711,368.  
   Lewis, Warren K., Jr. 2,723,300.  
   Lewis, Warren K., and Gilliland. 2,712,728.  
   Lewis, Warren K., and Gilliland. 2,718,754.  
   Lewis, Warren K., Gilliland, and McCurdy. 2,715,948.  
   Lewis, Warren K., and Metzner. 2,725,360.  
   Lytle, Melba L. 2,721,175.  
   Lytle, Melba L. 2,723,233.  
   Macke, Robert A. 2,726,987.  
   Macke, Robert A. 2,726,988.  
   Macke, Robert A., and Milligan. 2,728,709.  
   Maisel, Daniel S. 2,704,778.  
   Mann, Matthew D., Jr., and Schneider. 2,709,642.  
   Manne, Richard S., and Filbert. 2,728,800.  
   Martin, Homer Z., and Tyson. 2,725,348.  
   Mason, Ralph B., and Kimberlin. 2,721,169.



Esso Research and Engineering Co.: *See*—Continued.

Matheson, George L. 2,728,632.  
 Matheson, George L., and Hall. 2,711,387.  
 Matheson, George L., May, and Baeder. 2,708,516.  
 Mattox, William J. 2,707,713.  
 Mattox, William J., and Buchmann. 2,708,674.  
 Mayer, Ivan. 2,728,712.  
 McAteer, James H. 2,716,661.  
 McCurdy, William N., Jr. 2,723,948.  
 McDermott, John P. 2,712,526.  
 McDermott, John P. 2,727,036.  
 McKay, John F., Jr., and Koenecke. 2,705,703.  
 McNatt, Eugene M. 2,728,557.  
 McRae, Alexander D., and Antenbring. 2,707,560.  
 Meier, Edwin H. 2,726,290.  
 Meier, Herbert H. 2,709,196.  
 Mertzweiler, Joseph K. 2,709,714.  
 Mertzweiler, Joseph K., and Kimberlin. 2,709,713.  
 Mertzweiler, Joseph K., and Smith. 2,725,401.  
 Mikeska, Louis A., and Cohen. 2,716,088.  
 Mikeska, Louis A., and Morway. 2,712,527.  
 Mikeska, Louis A., and Morway. 2,719,124.  
 Morrell, Charles E., and Smith. 2,722,498.  
 Morrell, Charles E., Stewart, and Carlson. 2,706,707.  
 Morway, Arnold J. 2,719,122.  
 Morway, Arnold J., and Brugmann. 2,710,838.  
 Morway, Arnold J., Young, and Cottle. 2,723,957.  
 Moser, Irving S. 2,726,755.  
 Mottern, Henry O., and Harney. 2,711,388.  
 Mounce, Whitman D., Dunaway, and Terry. 2,725,283.  
 Mueller, Robert H. 2,728,804.  
 Murphree, Eger V. 2,717,862.  
 Murphree, Eger V., and Kearby. 2,721,889.  
 Nejak, Raymond P., and Cyphers. 2,719,121.  
 Nelson, Norman A. 2,722,450.  
 Newberg, Raymond G., Littmann, and Ford. 2,714,568.  
 Newberg, Raymond G., Wilson, and Sayko. 2,706,719.  
 Nicholson, Edward W. S. 2,717,855.  
 Nicholson, Edward W. S. 2,721,167.  
 Nicholson, Edward W. S. 2,723,223.  
 Nicholson, Edward W. S. 2,724,686.  
 Ogorzaly, Henry J. 2,704,704.  
 Ording, James R. 2,712,124.  
 Ortloff, John E., and Fitch. 2,706,104.  
 Owen, John J., and Buchmann. 2,706,206.  
 Paulsen, Henry C. 2,716,136.  
 Paxton, Charles E. 2,716,611.  
 Perry, Stephen F. 2,725,338.  
 Perry, Stephen F., Zoeller, and Bailly. 2,723,942.  
 Peters, Beldon A., and Rickard. 2,718,596.  
 Peterson, Harry W., Jr., Henn, and Gathman. 2,719,105.  
 Popkin, Alexander H. 2,703,783.  
 Popkin, Alexander H. 2,721,878.  
 Popkin, Alexander H., and Black. 2,721,877.  
 Popkin, Alexander H., and Phelan. 2,721,879.  
 Price, Lewis C. 2,707,716.  
 Ragland, Douglas. 2,706,027.  
 Ragland, Douglas. 2,722,835.  
 Ragland, Douglas, and Cannon. 2,726,063.  
 Ramsey, George H. 2,727,726.  
 Rex, Walter A. 2,717,860.  
 Richards, Harold A., Jr., Betts, and Hartzband. 2,717,856.  
 Rich, Wilson C., Jr. 2,719,816.  
 Roark, James J. 2,716,733.  
 Rogers, Dilworth T., and McDermott. 2,714,579.  
 Rogers, Dilworth T., and Rudel. 2,723,906.  
 Rogers, Dilworth T., and Rudel. 2,723,907.  
 Rollman, Walter F. 2,717,913.  
 Rudel, Harry W., and Gargisa. 2,718,500.  
 Rupp, Walter H., Holder, and Long. 2,710,790.  
 Russo, Dominick, and Cooke. 2,716,610.  
 Salathiel, Richard A. 2,711,219.  
 Salathiel, Richard A. 2,718,498.  
 Serniuk, George E. 2,703,817.  
 Sheperd, George R. L. 2,721,225.  
 Skelton, Jesse D. 2,726,131.  
 Smith, Paul V., Jr. 2,703,811.  
 Smith, Paul V., Jr., Knoch, and Waddey. 2,722,517.  
 Smith, Warren M. 2,713,073.  
 Sorge, William A. 2,724,452.  
 Sproule, Lorne W., and Pattenden. 2,706,713.  
 Squires, Walter, Jr. 2,706,704.  
 Stewart, Joseph, and Ward. 2,723,219.  
 Stone, Albert L. 2,719,025.  
 Strickland, Barney R. Re. 24,025.  
 Sweetser, Sumner B., Bronson, and Morbeck. 2,724,684.  
 Tegge, Bruce R. 2,724,007.  
 Thompson, Robert R. 2,708,261.  
 True, Martin E. 2,715,943.  
 Turner, Earl E. 2,717,869.  
 Tutwiler, Thomas S., Fischl, and Cyphers. 2,706,177.  
 Vickers, Herbert H. 2,716,575.  
 Voorhies, Alexis, Jr. 2,703,780.  
 Voorhies, Alexis, Jr. 2,721,184.  
 Waddey, Walter E., Phelan, and Rogers. 2,703,318.  
 Wasserbach, Theodore B. 2,722,099.  
 Wasson, Jones I., and Geddes. 2,711,374.  
 Watson, Albert T., Schutze, and Asselin. 2,728,716.  
 Webster, Gerald M. 2,710,661.  
 Weeks, Robert L. 2,722,499.  
 Weeks, Robert L., and Read. 2,723,941.  
 Weikart, John. 2,710,826.  
 Weikart, John. 2,716,628.

Esso Research and Engineering Co.: *See*—Continued.

Williams, Philip S. 2,716,018.  
 Williams, Philip S. 2,716,730.  
 Williams, Philip S. 2,723,374.  
 Williams, Philip S. 2,727,727.  
 Wilson, James A. 2,706,905.  
 Winkler, Raymond W., and Kaulakis. 2,728,714.  
 Wylie, Roger. 2,718,454.  
 Young, David W., and Cottle. 2,703,786.  
 Young, David W., and Cottle. 2,723,286.  
 Young, David W., Cottle, and Beach. 2,710,877.  
 Young, David W., Cottle, and Fischer. 2,716,096.  
 Esso Standard Societe Anonyme Francaise: *See*—  
 Binovic, Kurt, and Dupas. 2,725,345.  
 Esswein, Jean: *See*—  
 Henry, Georges. 2,701,345.  
 Estand, Inc.: *See*—  
 Robertson, Charles A. 2,710,168.  
 Robertson, Charles A. 2,727,604.  
 Estel, George A., Jr., to Globe Hoist Co. 2,701,155, Cl. 288—5.  
 Estelle, Weems E., to McNab, Inc. 2,721,297, Cl. 317—150.  
 Esterman, Benjamin. 2,708,847, Cl. 73—80.  
 Esterson, Maurice: *See*—  
 Thompson, Frederick C., Esterson, and Crook. 2,727,185.  
 Thompson, Frederick C., Esterson, and Young. 2,716,711.  
 Estes, Rufus B., and C. E. House. 2,725,066, Cl. 135—20.  
 Estetter, John D. 2,701,004, Cl. 155—1.  
 Estienne, Henri: *See*—  
 Eicken, Henri. 2,713,998.  
 Estrems, Eugeni, to International Business Machines Corp. 2,700,756, Cl. 340—149.  
 Etablissement public dit: Mines Domaniales de Potasse d'Alsace: *See*—  
 Colin, Jules, and Berthon. 2,702,121.  
 Etablissements Aubry et Simonin: *See*—  
 Malivoir, Maurice. 2,711,487.  
 Etablissements Carpano & Pons: *See*—  
 Pons, Charles. 2,726,052.  
 Etablissements Collins & Tournadre: *See*—  
 Francois, Maurice. 2,722,301.  
 Etablissements Edgar Brandt (Societe Anonyme): *See*—  
 Ballu, Vincent P. M. 2,702,438.  
 Etablissements Neyrpic: *See*—  
 Bon, Henri. 2,701,706.  
 Danel, Pierre F. 2,723,680.  
 Danel, Pierre F., and Casacci. 2,722,612.  
 Laszlo, Francois. 2,699,652.  
 Etablissements Saxby: *See*—  
 Pons, Paul H. 2,724,459.  
 Etavex S. A.: *See*—  
 Fortier, Andre L. A. 2,707,389.  
 Etem, Victor. 2,700,863, Cl. 56—27.  
 Etherington, Lewis D.: *See*—  
 Fritz, Robert J., and Etherington. 2,723,000.  
 Kirshenbaum, Isidor, Jonach, and Etherington. 2,702,826.  
 Etherington, Lewis D., to Esso Research and Engineering Co. 2,710,668, Cl. 183—114.2.  
 Etherton, Murray D., to McDonnell Aircraft Corp. 2,714,429, Cl. 188—96.  
 Ethicon, Inc.: *See*—  
 Bilane, Roland B., Barry, and Schaefer. 2,727,699.  
 Schaefer, Robert J., and Dompke. 2,727,791.  
 Valentine, Orville H., Goralczyk, and Bergman. 2,720,678.  
 Ethicon Suture Laboratories Inc.: *See*—  
 Kennison, Adrian B., and Zoller. 2,702,627.  
 Ethier, Dolores O.: *See*—  
 Joesting, Edwin O., and Ethier. 2,708,192.  
 Ethington, Lloyd D.: *See*—  
 Fletcher, Edward H., and Ethington. 2,725,963.  
 Ethyl Corp.: *See*—  
 Bartholomew, Earl. 2,709,995.  
 Bevans, Rowland S. 2,720,869.  
 Brown, Herbert C., and Humphreys. 2,727,929.  
 Calingaert, George. 2,713,586.  
 Campbell, David H. 2,717,199.  
 Canfield, Frank V., and Reynolds. 2,726,935.  
 Closson, Rex D., Kolka, and Ligett. 2,728,802.  
 Conrad, Franklin. 2,725,412.  
 Dunn, James H. 2,705,731.  
 Dunn, James H., Hall, Miller, and Neher. 2,706,172.  
 Glaser, Lucy. 2,725,406.  
 Greblick, Julius L., and Stevenson. 2,718,385.  
 Hetrick, James C., and Donaldson. 2,728,799.  
 Hill, Eugene F. 2,719,858.  
 Hill, Eugene F. 2,722,477.  
 Hirschler, Daniel A., Jr., and Irish. 2,728,648.  
 Kolka, Alfred J. 2,725,407.  
 Krohn, Ivar T. 2,727,053.  
 Madden, Harold J. 2,727,052.  
 Mattson, George W. 2,702,419.  
 Merkley, Francis X., and Larson. 2,724,719.  
 Merritt, Lucy. 2,725,408.  
 Montes, Gustavo E. 2,725,404.  
 Neher, Clarence M. 2,728,656.  
 Pfisterer, James L. 2,714,190.  
 Shapiro, Hymin. 2,717,206.  
 Trotter, Percy W. 2,717,233.  
 Trotter, Percy W. 2,717,272.  
 Wall, Henry H., Jr. 2,723,913.  
 Whaley, Thomas P. 2,716,057.  
 Whaley, Thomas P. 2,727,817.  
 Wolf, Calvin N. 2,720,480.



- Ethyl Corp.: *See*—Continued.  
 Wolf, Calvin N. 2,728,767.  
 Wolf, Calvin N., Closson, and Ligett. 2,726,981.  
 Etienne, Alfred, to L'Air Liquide Societe Anonyme pour l'Etude et l'Exploitation des Procédes Georges Claude. 2,699,046, Cl. 62—175.5.  
 Etienne, Alfred, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procédes Georges Claude. 2,700,900, Cl. 73—302.  
 Etlar, John R. 2,704,574, Cl. 160—127.  
 Etna Machine Co., The: *See*—  
 Abbey, Nelson D. 2,711,006.  
 Etrick, Clemens. 2,720,318, Cl. 211—153.  
 Etten, Nicholas L., to Iowa Wringer Corp. 2,722,818, Cl. 68—263.  
 Ettwein, Alton R. 2,723,068, Cl. 224—48.  
 Etzel, Eugene P.: *See*—  
 Nagy, Rudolph, and Etzel. 2,709,766.  
 Etzkorn, Walter V. 2,713,629, Cl. 240—25.  
 Eubanks, James A. 2,720,732, Cl. 51—205.  
 Euchner, Everett B.: *See*—  
 Kiebler, Myron W., Jr., Zier, and Euchner. 2,717,882.  
 Eugley, Jenness P., and N. A. MacInnes, to Radio Corp. of America. 2,724,829, Cl. 343—103.  
 Eutectic Welding Alloys Corp.: *See*—  
 Leston, Theodore I. 2,705,669.  
 Euth, John E., to Uarco, Inc. 2,706,631, Cl. 271—2.1.  
 Euverard, Maynard R.: *See*—  
 Smith, William T., Euverard, and Weidlich. 2,727,266.  
 Evangelides, Harry H. 2,723,952, Cl. 204—35.  
 Evanoff, Boreece. 2,701,975, Cl. 76—37.  
 Evans, Arthur G., to International Harvester Co. 2,724,314, Cl. 97—47.62.  
 Evans Case Co.: *See*—  
 Gengenback, Fritz. 2,713,105.  
 Reilly, Alfred F. 2,702,999.  
 Reilly, Alfred F. 2,710,532.  
 Evans, Charles E., to Barber-Greene Co. 2,718,961, Cl. 198—144.  
 Evans, Charles E., to Barber-Greene Co. 2,727,319, Cl. 37—142.  
 Evans, Charles E., and E. C. Rohde, to General Electric Co. 2,726,843, Cl. 251—333.  
 Evans, Charles E., and H. A. Barber, to Barber-Greene Co. 2,727,318, Cl. 37—142.  
 Evans, David C. 2,699,609, Cl. 33—97.  
 Evans, Dwight J. 2,706,462, Cl. 116—28.  
 Evans, Edgar C. H. Ford, N. P. W. Moore, and P. Grootenhuis, to National Research Development Corp. 2,727,932, Cl. 260—679.  
 Evans, Edgar C., H. Ford, and N. P. W. Moore, to National Research Development Corp. 2,727,933, Cl. 260—679.  
 Evans, Edward M.: *See*—  
 Bradshaw, Stanley E., and Evans. 2,698,839.  
 Evans, Edward M., and J. E. S. Whitney. 2,698,868, Cl. 260—624.  
 Evans, Francis C., to American District Telegraph Co. 2,721,991, Cl. 340—227.  
 Evans, Francis C., to American District Telegraph Co. 2,721,992, Cl. 340—229.  
 Evans, Francis C., and J. J. Barta, to American District Telegraph Co. 2,723,703, Cl. 153—79.  
 Evans, Fraser M., to C. A. V. Ltd. 2,698,580, Cl. 103—44.  
 Evans, Giles C.: *See*—  
 Jones, Harold S., and Evans. 2,706,316.  
 Evans, Harold. 2,726,625, Cl. 116—114.  
 Evans, Harold D. 2,707,565, Cl. 211—104.  
 Evans, Harry W. 2,698,748, Cl. 266—23.  
 Evans, Howard A., and C. E. Gagnier, to North American Aviation, Inc. 2,702,346, Cl. 250—33.  
 Evans, Howard J.: *See*—  
 McLay, William S., and Evans. 2,700,981.  
 Evans, Jack, to Century Display Mfg. Co., Inc. 2,704,699, Cl. 312—348.  
 Evans, James A. 2,728,424, Cl. 189—36.  
 Evans, James S. 2,699,310, Cl. 248—193.  
 Evans, Jeffrey: *See*—  
 Oulianoff, George, and Evans. 2,709,894.  
 Oulianoff, George, and Evans. 2,720,080.  
 Evans, John E., to Radio Corp. of America. 2,726,289, Cl. 179—100.3.  
 Evans, John G., J. H. Leach, and W. S. Meals. 2,710,816, Cl. 117—121.  
 Evans, Louis P., to Socony-Vacuum Oil Co., Inc. 2,701,185, Cl. 23—284.  
 Evans, Louis P., to Socony Mobil Oil Co., Inc. 2,717,863, Cl. 196—50.  
 Evans, Louis P., J. W. Payne, and J. E. Penick, to Socony-Vacuum Oil Co., Inc. 2,701,786, Cl. 196—147.  
 Evans, Lyon D., to Reynolds Metals Co. 2,708,014, Cl. 189—66.  
 Evans, Martin E. 2,700,065, Cl. 178—5.8.  
 Evans, Martin E. 2,725,784, Cl. 88—16.2.  
 Evans, Morris S.: *See*—  
 Watson, Edmund A., Evans, and Harris. 2,708,943.  
 Evans, Myron T. 2,720,677, Cl. 16—179.  
 Evans Products Co.: *See*—  
 Evans, Robert B., and Nampa. 2,700,412.  
 Tobin, Kenneth J., and Nampa. 2,725,826.  
 Evans, Raymond L., and S. A. Staeger, to The Black-Clawson Co. 2,703,683, Cl. 242—65.  
 Evans, Richard H. and S. J., to The Babcock & Wilcox Co. 2,716,021, Cl. 257—1.  
 Evans, Robert B., and S. M. Nampa, to Evans Products Co. 2,700,412, Cl. 155—5.  
 Evans, Robert C.: *See*—  
 Raney, Russell R., Komuchar, Gammie, and Evans. 2,726,501.  
 Evans, Robert D., to The American Agricultural Chemical Co. 2,708,517, Cl. 209—158.  
 Evans, Robert D., to The American Agricultural Chemical Co. 2,714,958, Cl. 209—158.  
 Evans, Robert D., and M. J. Rhoad, to The Goodyear Tire & Rubber Co. 2,706,726, Cl. 260—78.4.  
 Evans, Robert D., and M. J. Rhoad, to The Goodyear Tire & Rubber Co. 2,727,018, Cl. 260—78.4.  
 Evans, Robert G., Co.: *See*—  
 Tucker, Ray. 2,726,651.  
 Evans, Robert M., to The Master Mechanics Co. 2,709,664, Cl. 117—75.  
 Evans, Robert W.: *See*—  
 Stark, Sidney, Evans, Fischer, and Norton. 2,723,528.  
 Evans, Samuel H. 2,704,417, Cl. 46—247.  
 Evans, Sidney O., and I. Harter, Jr., to The Babcock & Wilcox Co. 2,709,284, Cl. 22—57.2.  
 Evans, Sidney J.: *See*—  
 Evans, Richard H. and S. J. 2,716,021.  
 Evans, Thomas M. 2,705,850, Cl. 46—126.  
 Evans, Vincent: *See*—  
 Wait, Louis S. 2,718,630.  
 Evans, Wendell I., to The Cincinnati Milling Machine Co. 2,727,419, Cl. 82—14.  
 Evans, William G., and W. F. Horton, to Westinghouse Electric Corp. 2,709,776, Cl. 322—23.  
 Evans, William M., and R. A. Morrison, to U. S. Electrical Motors, Inc. 2,708,985, Cl. 184—11.  
 Evans, Winfield C., to Jamison Cold Storage Door Co. 2,722,446, Cl. 292—336.  
 Even-Pul Foundations, Inc.: *See*—  
 Lo Cascio, Jack J. 2,701,362.  
 Lo Cascio, Jack J. 2,703,886.  
 Evenstad, Grace E. 2,698,618, Cl. 128—138.  
 Ever-Dry Corp.: *See*—  
 Deakers, Thorpe W. 2,716,250.  
 Everedy Co., The: *See*—  
 Lebherz, Harry J. 2,706,239.  
 Everett, Arthur C., to Pneumatic Scale Corp., Ltd. 2,705,101, Cl. 226—88.  
 Everett, Frederick C., to Radio Corp. of America. 2,701,339, Cl. 333—9.  
 Everett, John E. 2,713,956, Cl. 222—532.  
 Everett, S. & R. J., & Co. Ltd.: *See*—  
 Everett, Samuel J. 2,728,343.  
 Everett, Samuel J., to S. & R. J. Everett & Co. Ltd. 2,728,343, Cl. 128—339.  
 Everhart, James G., to McGraw Electric Co. Re. 23,970, Cl. 242—4.  
 Everhart, John O., K. E. Krill, and R. E. Dine, to The National Clay Pipe Research Corp. 2,712,679, Cl. 25—37.  
 Evering, Bernard L., A. K. Roebuck, and A. Zletz, to Standard Oil Co. 2,727,023, Cl. 260—94.9.  
 Evering, Bernard L., and E. F. Peters, to Standard Oil Co. 2,728,754, Cl. 260—94.9.  
 Everitt, Allen L.: *See*—  
 Sampson, Frederick W., and Everitt. 2,705,634.  
 Evers, Arthur J. 2,701,703, Cl. 249—1.  
 Evers, Arthur J., to International Paper Co. 2,706,515, Cl. 154—42.3.  
 Evers, Ernest C.: *See*—  
 Van Dyke, Ross E., and Evers. 2,725,279.  
 Eversharp, Inc.: *See*—  
 Cloutier, George D. 2,718,051.  
 Evershed & Vignoles Ltd.: *See*—  
 Boundy, James R., and Bergen. 2,721,277.  
 Boundy, James R., and Bergen. 2,728,041.  
 Eversole, James L. 2,723,333, Cl. 219—8.  
 Eves, Frederick S., to Munster Simms & Co. Ltd. 2,707,498, Cl. 139—341.  
 Evraets, Vernon J., to Mitchell Camera Corp. 2,718,361, Cl. 242—55.  
 Ewald, Robert F. 2,722,353, Cl. 224—45.  
 Ewalds, Robert, to Demag Aktiengesellschaft. 2,721,643, Cl. 198—8.  
 Ewaldson, Waldemar C., to Western Electric Co., Inc. 2,724,380, Cl. 125—14.  
 Ewart, Roswell H.: *See*—  
 Brooks, Marvin C., and Ewart. 2,715,135.  
 Ewell, Joseph R.: *See*—  
 Carter, William G., and Ewell. 2,700,970.  
 Ewell, Robert B., to Shell Development Co. 2,726,197, Cl. 196—52.  
 Ewers, Josef: *See*—  
 Grosskinsky, Otto, Thurauf, Benning, Huck, and Ewers. 2,726,262.  
 Ewertz, Clement G. 2,713,679, Cl. 340—263.  
 Ewin, Frank E. 2,723,783, Cl. 222—248.  
 Ewing, Benton M. 2,705,115, Cl. 242—107.  
 Ewing, Edgar G., to Radioplane Co. 2,701,697, Cl. 244—145.  
 Ewing, Lawrence W. 2,717,562, Cl. 108—33.  
 Ewing, Lloyd: *See*—  
 Ewing, Reid and L. 2,724,189.  
 Ewing, Reid and L., to McGraw Electric Co. 2,724,189, Cl. 34—7.  
 Ewing, Walkley B., to the United States of America as represented by the Secretary of the Navy. 2,707,450, Cl. 114—191.



- Ewing, William M., and A. C. Vine, to the United States of America as represented by the Secretary of the Navy. 2,703,009, Cl. 73—178.
- Ewing, William M., and J. L. Worzel, to the United States of America. 2,703,544, Cl. 114—206.
- Exact Weight Scale Co.: *See—*
- Schieser, Warren J., Kelley, White, and Hoffman. 2,726,061.
- Exact Weight Scale Co., The: *See—*
- Merrill, Roger L., and Hecox. 2,722,640.
- Exatest Gesellschaft für Meßtechnik mit beschränkter Haftung: *See—*
- Wuppermann, August T. 2,714,669.
- Excel Corp.: *See—*
- Stouder, Roy, Carbiener, and Rutter. 2,701,631.
- Excelmatic, Inc.: *See—*
- Kraus, Charles E. 2,701,970.
- Excell, Arthur W., to Powers-Samas Accounting Machines Ltd. 2,699,892, Cl. 235—60.2.
- Excell, Arthur W., to Powers-Samas Accounting Machines Ltd. 2,721,512, Cl. 101—93.
- Ex-Cell-O Corp.: *See—*
- Britton, Richard K. 2,702,152.
- Heldt, Norman A. 2,712,686.
- Seyferth, Harold N. 2,720,141.
- Stewart, Gilbert D. 2,720,806.
- Excelsior Loom Reed Works, Inc.: *See—*
- Matthews, La Verne A. 2,705,977.
- Exley, William M., Jr., and A. W. Howe. 2,716,544, Cl. 259—10.
- Exline, Paul G., to the United States of America as represented by the Secretary of the Air Force. 2,723,560, Cl. 73—141.
- Exner, Donald W., to Boeing Airplane Co. 2,699,462, Cl. 174—140.
- Exner, Frank M., to Minneapolis-Honeywell Regulator Co. 2,721,276, Cl. 250—83.6.
- Exploration Consultants Corp.: *See—*
- McKenzie, Walter H. 2,711,880.
- Exton, William, Jr. 2,712,849, Cl. 155—14.
- Exton-Porter, Arnold R. 2,705,329, Cl. 4—173.
- Eyerly, Russell B. 2,726,678, Cl. 137—508.
- Eyerund, Paul, to Metallgesellschaft Aktiengesellschaft. 2,702,785, Cl. 204—33.
- Eyges, Leonard J., to the United States of America as represented by the Secretary of the Navy. 2,727,233, Cl. 343—785.
- Eyman, Earl D.: *See—*
- King, Ralph J., and Eyman. 2,716,970.
- Eyman, Frederick. 2,719,577, Cl. 155—174.
- Ezell, Abel T., to Ezell Sales, Inc. 2,699,778, Cl. 128—252.
- Ezell, Delton: *See—*
- Armitage, James D., Bliss, and Ezell. 2,715,587.
- Ezell Sales, Inc.: *See—*
- Ezell, Abel T. 2,699,778.
- Ezzell, Louie M.: *See—*
- Owens, Edward O., and Ezzell. 2,716,885.
- F. & B. Mfg. Co.: *See—*
- Filko, John. 2,727,104.
- F. D. A. Soc. r. l.: *See—*
- Cuppini, Carlo, and Lercker. 2,718,818.
- F & F Laboratories, Inc.: *See—*
- Fox, Bernard N. and R., and Onesto. 2,705,857.
- FKG Fritz Kesselring Gerätebau A. G., Bachthobel-Weinfeld: *See—*
- Kesselring, Fritz. 2,727,114.
- F-R Machine Works: *See—*
- Hollstein, Oswald C. 2,707,137.
- Zavales, Charles T. 2,724,073.
- Fabbriche Riunite Wav-Assauto: *See—*
- Acri, Mario. 2,715,340.
- Fabel, Donald C., and C. J. DeCaro, to Vibratrol, Inc. 2,710,077, Cl. 188—88.
- Faber, Lapis J., Ltda.: *See—*
- Spallini, José P. 2,704,533.
- Faber & Schleicher Aktiengesellschaft: *See—*
- Alix, Hans, and Winkler. 2,709,960.
- Koch, Werner. 2,702,002.
- Koch, Werner. 2,705,918.
- Koch, Werner. 2,714,351.
- Faber, Zoltan: *See—*
- Harris, George R. 2,707,940.
- Fabre, Jules. 2,728,348, Cl. 132—55.
- Fabri, Jean, and R. Siestrunck, to "Office National d'Etudes et de Recherches Aeronautiques" (O. N. E. R. A.). 2,721,693, Cl. 230—120.
- Fabric Development Co. Ltd.: *See—*
- Van Issum, Johannes B. H. 2,707,158.
- Van Issum, Johannes B. H. 2,707,160.
- Fabric Research Laboratories, Inc.: *See—*
- Hamburger, Walter J., and Cummings. 2,714,328.
- Painter, Earle V., and Frisoli. 2,702,764.
- Fabrica Italiana Magneti Marelli Società per Azioni: *See—*
- Kleissl, Erberto. 2,715,679.
- Fabricone Adjustable Folding Doors Co., the: *See—*
- Carr, James D. 2,725,934.
- Fabrique d'Ebauches Eta S. A.: *See—*
- Stamm, Heinrich. 2,728,187.
- Fabrique d'Horlogerie de Fontainemelon: *See—*
- Von Aesch, Otto. 2,724,946.
- Fabrique Solvil des Montres Paul Ditisheim S. A.: *See—*
- Vogel, Paul R. 2,707,862.
- Fabritius, George J.: *See—*
- Lamb, Fredrick S., and Fabritius. 2,719,426.
- Facciolo, Raymond. 2,714,750, Cl. 20—4.
- Fackler, Eli I. 2,727,749, Cl. 280—11.2.
- Factor, Max, & Co.: *See—*
- Crane, Walton B. 2,699,888.
- Faeber, Harry W., to Time, Inc. 2,703,050, Cl. 101—348.
- Faeber, Harry W., to Time, Inc. 2,706,946, Cl. 101—401.2.
- Faeber, Harry W., to Time, Inc. 2,711,004, Cl. 29—21.
- Fair Bearing Co., The: *See—*
- Frederick, John A. 2,719,046.
- Potter, Howell L. 2,728,616.
- Reynolds, Harry R. 2,718,415.
- Van Dorn, Horace B. 2,701,732.
- Fagerberg, Bernt J. 2,716,488, Cl. 209—414.
- Fagyas, Steven M. 2,725,113, Cl. 183—37.
- Fahle, Fred J. 2,707,512, Cl. 155—43.
- Fahle, Karl H. 2,721,672, Cl. 220—51.
- Fahle, Robert S. 2,728,096, Cl. 15—104.04.
- Fahlman, Everett G., to The Permold Co. 2,707,136, Cl. 309—14.
- Fahlman, Everett G., and F. E. Smith, to The Permold Co. 2,705,667, Cl. 309—11.
- Fahnoe, Frederick: *See—*
- McKinley, Clyde, Fahnoe, and Fuller. 2,712,560.
- Fahrenholz, Harley D. 2,725,700, Cl. 55—17.
- Fahrig, Rudolf: *See—*
- Baader, Rudolf. 2,704,377.
- Fahrney, Maxwell E., to Pangborn Corp. 2,719,387, Cl. 51—15.
- Fahrni, Charles: *See—*
- Maire, Charles, and Fahrni. 2,717,623.
- Fahrni, Fred. 2,712,842, Cl. 144—162.
- Fahy, William J. 2,726,468, Cl. 43—1.
- Failla, Michael. 2,726,650, Cl. 125—11.
- Fain, Jacob M., and N. L. Hewitt, to United States of America as represented by the Secretary of the Navy. 2,716,067, Cl. 106—13.
- Fain, Jacob M., and N. L. Hewitt, to United States of America as represented by the Secretary of the Navy. 2,716,068, Cl. 106—13.
- Fainman, Morton, to Standard Oil Co. 2,700,228, Cl. 35—50.
- Fainman, Morton, to Standard Oil Co. 2,726,209, Cl. 252—33.6.
- Fair, William F., Jr.: *See—*
- Christensen, John C., and Fair. 2,727,832.
- Fair, William F., Jr., to Koppers Co., Inc. 2,701,217, Cl. 117—113.
- Fair, William F., Jr., to Koppers Co., Inc. 2,701,219, Cl. 117—168.
- Fairbank, Murry N., to Polaroid Corp. 2,706,939, Cl. 95—89.
- Fairbanks Co., The: *See—*
- Hanson, Alfred H. 2,710,106.
- Fairbanks, Gordon J., to Stewart-Warner Corp. 2,699,818, Cl. 158—1.
- Fairbanks, Henry N.: *See—*
- Askren, Lee T., and Fairbanks. 2,716,005.
- Fairbanks, Morse & Co.: *See—*
- Anderson, Gordon R. 2,716,195.
- Anderson, Gordon R., and Hicks. 2,716,196.
- Antonsen, Anker K. 2,703,077.
- Antonsen, Anker K. 2,723,003.
- Armstrong, Werner E. 2,718,294.
- Armstrong, Werner E. 2,724,584.
- Blake, Floyd A., and Thompson. 2,723,653.
- Davids, John H. 2,708,916.
- Herrick, George H. 2,718,604.
- Herrick, George H. 2,724,067.
- Miner, Howard W. 2,702,418.
- Moerk, John C. 2,708,851.
- Pedersen, Tage V. 2,706,489.
- Schowalter, Clarence H. 2,724,372.
- Tinker, Walter H. 2,713,826.
- Vogel, Edward A. 2,699,657.
- Zabel, George W. 2,698,468.
- Fairchild Aerial Surveys, Inc.: *See—*
- Eliel, Leon T. 2,720,029.
- Fairchild Camera and Instrument Corp.: *See—*
- Doyle, Irving W., and Kling. 2,699,102.
- Moore, David W., Jr. 2,720,572.
- Fairchild Engine and Airplane Corp.: *See—*
- Blomquist, Albert E. 2,720,274.
- Harr, Phil I. 2,712,814.
- Harr, Phil I. 2,724,185.
- Thieblot, Armand J. 2,702,340.
- Thieblot, Armand J., and Davis. 2,714,999.
- Whitney, Vernon L., Jr., and Weiler. 2,721,456.
- Worley, Lee. 2,707,939.
- Fairfield Engineering Co., The: *See—*
- Kuhn, Wayne H., and Reichenstein. 2,713,428.
- Fairgrieve, Donald F., to Fairgrieve & Son Ltd. 2,726,530, Cl. 68—263.
- Fairgrieve & Son, Ltd.: *See—*
- Fairgrieve, Donald F. 2,726,530.
- Fairhope Fabrics, Inc.: *See—*
- Gross, Irving, Little, and Guillemette. 2,706,898.
- Fairhurst, Cyril: *See—*
- Jones, Reginald A. B., and Fairhurst. 2,715,302.
- Fairwest (U. K.) Ltd.: *See—*
- Catry, Jean, and Low. 2,715,915.
- Catry, Jean, and Low. 2,725,080.
- Low, Robert N., and Catry. 2,711,759.
- Low, Robert N., and Catry. 2,726,684.
- Faith-Ell, Lars J., to Aktiebolaget Elektrolux. 2,703,903, Cl. 15—365.



- Faith-ElI, Lars J., to Aktiebolaget Elektrolux. 2,703,905, Cl. 15—374.
- Faith-ElI, Lars J., to Aktiebolaget Elektrolux. 2,710,204, Cl. 285—97.5.
- Falcione, Louis,  $\frac{1}{2}$  to R. H. Koser, L. S. Miller, and R. Kulchycky. 2,709,296, Cl. 30—41.
- Falck, Werner, to Siemens-Schuckertwerke Aktiengesellschaft. 2,702,362, Cl. 318—225.
- Falcon Industries, Inc.: *See*—  
Bugg, Kenly C. Re. 23,924.
- Fales, Harry E. 2,701,206, Cl. 106—14.
- Falk, Bror J., to Upsala-Ekeby Aktiebolag. 2,723,206, Cl. 117—102.
- Falk, Charles T.: *See*—  
Falk, Joseph M. and C. T. 2,711,343.
- Falk Corp., The: *See*—  
Falk, Louis W., and Schmitter. 2,703,735.  
Mueller, Leonard J., nad Bach. 2,698,469.  
Schmitter, Walter P. 2,708,416.  
Schmitter, Walter P. 2,714,824.  
Wellauer, Edward J. 2,723,015.
- Falk, Harold W., to Wright Products, Inc. 2,722,443, Cl. 292—79.
- Falk, Harold W., to Wright Products, Inc. 2,726,108, Cl. 292—106.
- Falk, Joseph M. and C. T. 2,711,343, Cl. 296—44.
- Falk, Louis W., and W. P. Schmitter, to The Falk Corp. 2,703,735, Cl. 308—26.
- Falk, Morris, to Independent Lock Co. 2,707,335, Cl. 33—174.
- Falk, Morris, to Independent Lock Co. 2,707,386, Cl. 70—207.
- Falk, Morris. 2,707,410, Cl. 76—110.
- Falkenberg, Charles F. 2,722,281, Cl. 180—19.
- Falkenthal, Erwin. 2,728,809, Cl. 136—89.
- Falkman, Hans H., N. T. Karlén, and E. M. Olsson, to Aktiebolaget Atlas Diesel. 2,707,978, Cl. 144—208.
- Falkman, Hans H., N. T. Karlén, and E. M. Olsson, to Aktiebolaget Atlas Diesel. 2,707,979, Cl. 144—208.
- Falkner, Frederick. 2,705,611, Cl. 254—172.
- Fallert, Clifford D.: *See*—  
Repking, Edward F., Fallert, and George. 2,713,964.
- Fallert, Clifford D., to Gaylord Container Corp. 2,706,595, Cl. 229—45.
- Fan, Sin-Pih, and S. Kuchinsky, to Burroughs Corp. 2,721,955, Cl. 315—21.
- Fancee Free Mfg. Co.: *See*—  
Dozier, Herma W. 2,706,816.
- Fancher, Otis E., and D. A. Stauffer, to Miles Laboratories, Inc. 2,723,293, Cl. 260—553.
- Fand, Theodore I.: *See*—  
Tenenbaum, Leon E., and Fand. 2,712,019.
- Fankboner, Harvey O., and A. O. Codney, to The Electric Storage Battery Co. 2,700,299, Cl. 73—33.
- Fanner Metal Products Co.: *See*—  
Raible, Charles G. 2,718,647.
- Fannin, Grady L. 2,710,977, Cl. 5—119.
- Fanning, Frank E.: *See*—  
Wood, Alexander R. and N. R. 2,715,021.
- Fanning, Kathleen. 2,706,862, Cl. 35—9.
- Fanning, Richard C., to Talon, Inc. 2,725,139, Cl. 206—52.
- Fanning, Robert J., to Phillips Petroleum Co. 2,721,851, Cl. 260—29.2.
- Fansteel Metallurgical Corp.: *See*—  
Cepon, Rudolph J., and Johnson. 2,716,207.  
Hardin, Roy I. 2,698,892.  
Hardin, Roy I. 2,727,124.
- Fante, Harry H., M. J. Shepard, and A. T. Gonia, to Rockwell Spring and Axle Co. 2,715,424, Cl. 140—71.
- Fantl, Joel, to Monsanto Chemical Co. 2,718,514, Cl. 260—79.3.
- Farbanish, Walter, to Zenith Radio Corp. 2,702,860, Cl. 250—33.67.
- Farbenfabriken Bayer Aktiengesellschaft: *See*—  
Dittmar, Gerhard, and Sückfull. 2,720,516.  
Doser, Arnold. 2,708,642.  
Engelhardt, Rudolf, and Arledter. 2,703,857.  
Haltmeier, Alfred. 2,705,137.  
Haltmeier, Alfred. 2,708,794.  
Henecka, Hans. 2,723,268.  
Knust, Ernst. 2,705,246.  
Lorenz, Walter. 2,701,225.  
Morschel, Heinrich, and Wedemeyer. 2,726,238.  
Nordt, Herbert, and Delfs. 2,704,766.  
Rempel, Nikolaus. 2,717,237.  
Retter, Walther. 2,719,852.  
Rösch, Georg, Wolf, and Vollmann. 2,727,043.  
Schmidt, Fritz. 2,700,048.  
Schnell, Hermann, Hintzmann, and Rinke. 2,706,207.  
Schrader, Gerhard. 2,701,259.  
Schrader, Gerhard. 2,712,026.  
Sückfull, Fritz. 2,708,668.  
Sückfull, Fritz, and Böckmann. 2,712,006.  
Sückfull, Fritz, and Zervas. 2,718,518.  
Sückfull, Fritz, and Zervas. 2,721,191.  
Vollmann, Heinrich, Baumann, and Bienert. 2,701,252.  
Welz, Harry. 2,721,219.  
Welz, Harry, and Giltges. 2,721,880.
- Farber, Eduard, to Cumberland Corp. 2,725,346, Cl. 202—3.
- Farber, Edward R., and R. R. Rauch, to Strobe-Research. 2,727,980, Cl. 240—1.3.
- Farber, Jacob. 2,723,802, Cl. 235—100.
- Farber, Monroe. 2,726,809, Cl. 235—61.
- Farbwerke Hoechst A. G. vormalis Meister Lucius und Bruning: *See*—  
Fischer, Ernst. 2,703,319.  
Seidenfaden, Wilhelm, Fischer, and Thoma. 2,709,165.
- Farbwerke Hoechst Aktiengesellschaft vormalis Meister Lucius und Bruning: *See*—  
Böker, Reinhard, and Brodersen. 2,716,117.  
Böker, Reinhard, and Fuchs. 2,701,815.  
Dietz, Karl. 2,709,661.  
Ehrhart, Gustav, Ruschig, and Leditschke. 2,704,767.  
Ehrhart, Gustav, Ruschig, Stein, and Aumüller. 2,700,039.  
Ehrhart, Gustav, Ruschig, Stein, Aumüller, Oepfinger, and Schörnig. 2,699,439.  
Heyna, Johannes, Hensel, and Schnorrenberg. 2,728,762.  
Krekeler, Hans. 2,724,006.  
Marx, Rudolf. 2,718,487.  
Waibel, Wilhelm. 2,711,363.
- Fardig, Oliver B., and I. R. Hooper, to Bristol Laboratories Inc. 2,717,892, Cl. 260—210.
- Fareri, Elizabeth L.: *See*—  
Stevens, Donald R., and Fareri. 2,699,385.
- Farison, Glenn S., to Essex Wire Corp. 2,707,216, Cl. 200—138.
- Farison, Robert E., to The Diversey Corp. 2,712,111, Cl. 324—30.
- Farley & Loetscher Mfg. Co.: *See*—  
Loetscher, Robert F. 2,725,604.  
Triller, Benjamin J. 2,699,205.
- Farlow, Mark W.: *See*—  
Coffman, Donald D., and Farlow. 2,728,777.
- Farlow, Mark W., to E. I. du Pont de Nemours and Co. 2,709,182, Cl. 260—653.
- Farlow, Mark W., to E. I. du Pont de Nemours and Co. 2,709,192, Cl. 260—653.
- Farlow, Mark W., and R. M. Joyce, Jr., to E. I. du Pont de Nemours and Co. 2,709,183, Cl. 260—653.
- Farlow, Mark W., and E. L. Muettterties, to E. I. du Pont de Nemours & Co. 2,709,186, Cl. 260—653.
- Farlow, Mark W., and E. L. Muettterties, to E. I. du Pont de Nemours & Co. 2,709,187, Cl. 260—653.
- Farlow, Mark W., and E. L. Muettterties, to E. I. du Pont de Nemours & Co. 2,709,188, Cl. 260—653.
- Farlow, Mark W., and E. L. Muettterties, to E. I. du Pont de Nemours & Co. 2,709,189, Cl. 260—653.
- Farlow, Mark W., and E. L. Muettterties, to E. I. du Pont de Nemours & Co. 2,709,190, Cl. 260—653.
- Farlow, Mark W., and E. L. Muettterties, to E. I. du Pont de Nemours & Co. 2,709,191, Cl. 260—653.
- Farlow, Mark W., and E. L. Muettterties, to E. I. du Pont de Nemours & Co. 2,722,559, Cl. 260—653.
- Farlow, Mark W., and E. L. Muettterties, to E. I. du Pont de Nemours and Co. 2,725,410, Cl. 260—653.
- Farls, Genevieve M. 2,710,639, Cl. 150—7.
- Farly, George M.: *See*—  
Burney, James H., Appleton, De Livan, and Farly. 2,714,667.
- Farmaceutici Italia S. A.: *See*—  
Vercellone, Alberto, and Alberti. 2,727,061.
- Farmer, Alonzo: *See*—  
Heiskell, Theodore W., and Farmer. 2,705,219.
- Farmers and Merchants National Bank of Los Angeles, The: *See*—  
Lacy, Roy, McClintock, and Rossier. 2,706,319.
- Farmingdale Corp., The: *See*—  
Ericson, Albert A. 2,707,374.
- Farmland Irrigation Co., Inc.: *See*—  
Kroyer, John M., and Huntley. 2,708,143.
- Farney, Raymond C. 2,722,095, Cl. 56—25.4.
- Farnon, Robert B., to General Electric Co. 2,705,750, Cl. 240—4.
- Farnsworth Research Corp.: *See*—  
Day, Cyril L. 2,708,250.  
Mayle, Louis F. 2,723,347.  
Mayle, Louis F. 2,726,350.
- Farnsworth, Reuben L. 2,724,316, Cl. 97—59.
- Farnsworth, Richard: *See*—  
Frank, William H., and Farnsworth. 2,700,706.  
Portouw, Robert C., and Farnsworth. 2,702,902.
- Farnsworth, Verl R. 2,726,435, Cl. 29—95.1.
- Farnsworth, William Y., to Schlage Lock Co. 2,711,920, Cl. 292—169.
- Farnworth, Edwin, and G. H. Wood, Jr., to The Aspinook Corp. 2,728,567, Cl. 263—3.
- Farny, Paul, and E. Weidmann. 2,716,972, Cl. 123—90.
- Farquharson, William J. 2,715,173, Cl. 219—19.
- Farr Co.: *See*—  
Esselman, Richard B. 2,721,577.  
Esselman, Richard B., and Hardy. 2,703,519.
- Farr, Edward A., and J. P. Theisen, to Arvin Industries, Inc. 2,707,745, Cl. 219—39.
- Farr, Harold K., to the United States of America as represented by the Secretary of the Navy. 2,713,151, Cl. 333—6.
- Farrand Optical Co., Inc.: *See*—  
Tripp, Robert W. 2,719,457.
- Farrand, Orrin E. 2,714,354, Cl. 103—111.
- Farrans Ltd.: *See*—  
McMullan, William. 2,708,781.
- Farrar, Alvin J.: *See*—  
Ayre, James H., and Farrar. 2,728,544.
- Farrar, Alvin J., to Republic Steel Corp. 2,717,716, Cl. 220—6.
- Farrar, Martin W., to Monsanto Chemical Co. 2,707,190, Cl. 260—397.45.



- Farrel-Birmingham Co., Inc.: *See*—  
Eames, Hugh C. 2,717,743.  
MacLeod, Douglas W. 2,705,653.  
Whittom, Warren C. 2,718,827.
- Farrell, Walter O., H.D. Schnitzius, and G. A. Ruschman, to The Richardson Co. 2,725,848, Cl. 118—239.
- Farrell, Valdemar C. 2,707,928, Cl. 114—203.
- Farren, Francis J.: *See*—  
Sainsbury, Leonard R., Farren, and Grant. 2,706,157.
- Farrington, John H., to American Seal-Kap Corp. of Delaware. 2,728,484, Cl. 220—116.
- Farrington, Robert K.: *See*—  
Farrington, Thayer B. and R. K., Ikeda, and Mercer. 2,728,848.
- Farrington, Robert K. and T. B., and R. F. Kurzenberger, to The Thompson Electric Co. 2,721,982, Cl. 339—135.
- Farrington, Thayer B.: *See*—  
Farrington, Robert K. and T. B., and Kurzenberger. 2,721,982.
- Farrington, Thayer B. and R. K., F. K. Ikeda, and R. P. Mercer, to The Thompson Electric Co. 2,728,848, Cl. 240—64.
- Farris, Robert W., to Owens-Corning Fiberglas Corp. 2,701,777, Cl. 117—126.
- Farris, Robert W., to Owens-Corning Fiberglas Corp. 2,712,506, Cl. 106—277.
- Farrow, Frederick R., Jr., and N. O. Bender, Jr., to Philco Corp. 2,698,902, Cl. 250—33.65.
- Farrow, Lawrence H. 2,705,334, Cl. 15—121.2.
- Farval Corp., The: *See*—  
Acker, George H. 2,708,984.
- Fasce, Egi V., and J. K. Mertzweiler, to Esso Research and Engineering Co. 2,705,729, Cl. 260—604.
- Fasco Industries, Inc.: *See*—  
Byam, Peter M. 2,700,709.
- Fasco, William J. 2,714,515, Cl. 279—89.
- Faselt, Fritz. 2,718,820, Cl. 90—16.
- Faso, William J. 2,716,030, Cl. 279—9.
- Faspray Corp.: *See*—  
Wilde, Alexander E. 2,718,297.
- Fastel Corp., Inc.: *See*—  
Hofmann, Walter. 2,711,729.
- Fastenau, Frederick H., Jr., to Selectronics, Inc. 2,699,508, Cl. 310—9.4.
- Faster Food Products Co.: *See*—  
Strezyński, George J. 2,701,204.  
Strezyński, George J. 2,712,999.  
Silberman, Samuel. 2,701,202.
- Faszcuk, Roman. 2,720,183, Cl. 114—126.
- Fate, Jesse E., Jr. 2,728,552, Cl. 254—197.
- Fatke, David F. 2,709,022, Cl. 220—42.
- Faulconer, Claude E. 2,721,603, Cl. 155—11.
- Faulhaber, Fritz, to Voigtlander & Sohn Aktiengesellschaft. 2,713,293, Cl. 95—32.
- Faulhaber, Fritz, to Voigtlander & Sohn Aktiengesellschaft. 2,726,585, Cl. 95—45.
- Faulkner, Alfred H., to Automatic Electric Laboratories, Inc. 2,699,467, Cl. 179—18.
- Faulkner, Alfred H., to Automatic Electric Laboratories, Inc. 2,724,553, Cl. 235—92.
- Faulkner, Clarence F., to Puritan Cordage Mills, Inc. 2,717,215, Cl. 117—7.
- Faulkner, Harry. 2,716,880, Cl. 67—7.1.
- Faulkner, Richard D., B. E. Barnes, and M. J. Grimes, to Radio Corp. of America. 2,728,009, Cl. 313—89.
- Faulkner, Seymour. 2,722,505, Cl. 202—46.
- Faull, John T.: *See*—  
Bailey, Roy W., and Faull. 2,707,039.  
Bailey, Roy W., and Faull. 2,709,370.  
Bailey, Roy W., Faull, and Gill. 2,699,868.
- Faultless Caster Corp.: *See*—  
Noelting, William H., and Skupas. 2,709,828.  
Skupas, John A. 2,707,795.  
Skupas, John A. 2,712,366.
- Faus, Harold T., to General Electric Co. 2,721,479, Cl. 73—338.
- Faus, Harold T., and D. E. Ridgley, to General Electric Co. 2,712,563, Cl. 136—5.
- Fausek, Arthur J. and I. F., W. L. Reedy, and E. F. Copeland, said W. L. Reedy and said E. F. Copeland, to said A. J. and I. F. Fausek. 2,727,413, Cl. 77—32.3.
- Fausek, Irving F.: *See*—  
Fausek, Arthur J. and I. F., Reedy, and Copeland. 2,727,413.
- Fausser, Donald L.: *See*—  
Landrigan, Richard B., Tom, and Fausser. 2,725,304.
- Fausser, Richard F., to Wood & Brooks Co. 2,710,642, Cl. 155—56.
- Fauske, Sig C.: *See*—  
Burleigh, John E., and Fauske. 2,702,798.
- Faust, Charles L.: *See*—  
Beach, John G., Schickner, and Faust. 2,711,889.
- Faust, Charles L., to the United States of America as represented by the Secretary of the Army. 2,718,494, Cl. 204—12.
- Faust, Delbert G.: *See*—  
Norgren, Carl A., and Faust. 2,718,934.
- Faust, Delbert G., to C. A. Norgren Co. 2,710,073, Cl. 184—55.
- Faust, Delbert G., and J. A. Wilson, Jr., to C. A. Norgren Co. 2,726,732, Cl. 183—42.
- Faust, Ellwood L., to International Harvester Co. 2,726,500, Cl. 55—51.
- Faust, John A.: *See*—  
Jules, Leonard H., Faust, and Sahyun. 2,716,648.
- Faust, John W., Jr., and R. H. Wynne, Jr., to Westinghouse Electric Corp. 2,705,192, Cl. 41—42.
- Faust, Lawrence Y.: *See*—  
Born, William T., Faust, and Wolf. 2,720,933.
- Faustine, Vernon D. 2,702,139, Cl. 214—396.
- Fauth, Frederick E.: *See*—  
Day, Carl L., and Fauth. 2,718,989.
- Fava, Augusto. 2,710,583, Cl. 107—7.
- Favre, John A.: *See*—  
Bush, Ralph R., and Favre. 2,726,295.
- Favre, Jules, to Paillard S. A. 2,700,440, Cl. 188—187.
- Favre, Jules, to Paillard S. A. 2,702,491, Cl. 88—18.4.
- Favre, Jules, to Paillard S. A. 2,711,117, Cl. 88—17.
- Fawcett, Frank S., to E. I. du Pont de Nemours and Co. 2,714,583, Cl. 260—2.
- Fawcett, Henry J. 2,703,973, Cl. 68—6.
- Fawick Corp.: *See*—  
Fawick, Thomas L. 2,720,957.  
Fawick, Thomas L. 2,727,760.
- Fawick, Thomas L., to Fawick Corp. 2,720,957, Cl. 192—88.
- Fawick, Thomas L. 2,726,738, Cl. 188—152.
- Fawick, Thomas L. 2,727,369, Cl. 64—11.
- Fawick, Thomas L., to Fawick Corp. 2,727,760, Cl. 285—96.1.
- Fawkes, Robert C. 2,718,645, Cl. 9—45.
- Faximile, Inc.: *See*—  
Hester, Frank A. 2,717,191.  
Leonard, George H., and Long. 2,718,450.  
Tyler, Edward M. 2,710,786.  
Van Rennes, Cornelis. 2,701,177.
- Fay, Gerald S., to General Instrument Corp. 2,717,983, Cl. 336—131.
- Fay, James E., to Armco Steel Corp. 2,714,864, Cl. 113—35.
- Fay, Philip S.: *See*—  
Jones, Arthur L., and Fay. 2,723,033.
- Fay, Robert E., Jr., to E. I. du Pont de Nemours and Co. 2,717,220, Cl. 117—126.
- Fay, Rudolph J., to Schulze and Burch Biscuit Co. 2,713,833, Cl. 107—7.
- Fear, Fred, & Co.: *See*—  
Wendt, Arthur S. 2,719,091.
- Fearon, Robert E., and J. M. Thayer, to Well Surveys, Inc. 2,712,081, Cl. 250—83.6.
- Feasey, John, to R. A. Brand & Co. Ltd. 2,717,017, Cl. 150—52.
- Featherston, Robert R., 1/4 to R. H. Van Matre, and 1/4 to F. G. Van Matre. 2,702,694, Cl. 261—23.
- Featherstone, Robert P., to the United States of America as represented by the United States Atomic Energy Commission. 2,723,371, Cl. 321—14.
- Featherston, Arthur H. 2,714,161, Cl. 250—33.
- Featony, Joseph, to National Research Council. 2,712,482, Cl. 308—233.
- Febco, Inc.: *See*—  
Reinecke, Howard E. 2,722,943.
- Fechheimer, Paul R., to The Karl Kiefer Machine Co. 2,710,127, Cl. 226—97.
- Fechheimer, Paul R., R. Boing, and L. F. Frederick, to The Karl Kiefer Machine Co. 2,725,138, Cl. 198—34.
- Fecht, Peter. 2,712,699, Cl. 34—162.
- Fedders-Quigan Corp.: *See*—  
Guerra, John P., and Colling. 2,722,403.  
Rosen, Julius S. 2,725,724.
- Federal Bearing Co., Inc., The: *See*—  
Covert, Don N., and Denney. 2,727,764.
- Federal Carton Corp.: *See*—  
Rous, Arthur. 2,727,674.  
McCormick, Frank. 2,700,463.
- Federal Electric Products Co.: *See*—  
Cole, Thomas M., and Christensen. 2,700,713.  
Norden, Alexander R. 2,704,315.  
Rothstein, Victor L., and Kron. 2,715,700.  
Taylor, Tracy B. 2,698,925.  
Taylor, Tracy B. 2,715,665.  
Taylor, Tracy B. 2,718,575.
- Federal Leather Co., The: *See*—  
Plansoen, Louis M., and Seaman. 2,706,699.
- Federal Products Corp.: *See*—  
Matter, Roger E., and Miller. 2,715,165.
- Federativna Narodna Republika Jugoslavija Savet Za Industriju I Gradjevinarstvo Vlade F. N. R. J.: *See*—  
Guljas, Geza, Slavic, and Stefanovic. 2,706,527.
- Federkiel, Wilhelm. H. Pfizner, and H. Baumann, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,726,920, Cl. 8—4.
- Federn, Klaus, to Carl Schenck Maschinenfabrik Darmstadt G. m. b. H. 2,704,452, Cl. 73—88.5.
- Federn, Klaus, to Carl Schenck Maschinenfabrik Darmstadt G. m. b. H. 2,706,399, Cl. 73—66.
- Federn, Klaus, to Carl Schenck Maschinenfabrik G. m. b. H. 2,720,781, Cl. 73—66.
- Federn, Klaus, and H. Hack, to Carl Schenck Maschinenfabrik G. m. b. H. 2,722,830, Cl. 73—66.
- Fedoroff, George N.: *See*—  
Morcoff-Moghadam, Leon, and Fedoroff. 2,715,486.
- Fedotowski, Leonid: *See*—  
Seiler, Karl, and Fedotowski. 2,702,361.
- Feeley, Albert G., to Westinghouse Electric Corp. 2,708,732, Cl. 321—16.
- Feeney, Thomas A., and E. V. Browne, to Northrop Aircraft, Inc. 2,711,867, Cl. 244—83.



- Fees, Karl: *See*—  
Johannsen, Adolf, Danz, Fees, and Kammerer. 2,699,375.  
Fegan, Thomas G. 2,716,783, Cl. 20—55.  
Fegert, August F., to Gallagher-Kaiser Corp. 2,711,061, Cl. 51—273.  
Fehling, Hans R., to Compania Uruguaya de Fomento Industrial S. A. 2,708,903, Cl. 120—42.4.  
Fehr, Harold T.: *See*—  
Jameson, Russel D. 2,712,633.  
Fehr, Walter G. S. 2,724,537, Cl. 229—23.  
Feichtinger, Hans: *See*—  
Tummes, Hans, and Feichtinger. 2,702,820.  
Feiertag, Arthur W., to Royal McBee Corp. 2,704,578, Cl. 164—113.  
Feiertag, Karl M.: *See*—  
Stephenson, Hugh M., and Feiertag. 2,724,243.  
Feiertag, Karl M., to General Electric Co. 2,701,318, Cl. 310—258.  
Feiertag, Karl M., to General Electric Co. 2,723,359, Cl. 310—254.  
Feig, Jerome H.: *See*—  
Beber, Samuel L., and Feig. 2,728,849.  
Feigl, Anton. 2,700,868, Cl. 58—83.  
Feigl, Bernard A.: *See*—  
Pendergast, Raymond F., and Feigl. 2,698,481.  
Feigelman, Herman A. 2,706,037, Cl. 206—45.11.  
Feigin, Robert, and M. P. Schwartz, to Geigy Chemical Corp. 2,721,824, Cl. 167—33.  
Feigley, David A., Jr. to Armstrong Cork Co. 2,715,066, Cl. 92—21.  
Feiker, Gerald W.: *See*—  
Irwin, Milton, and Feiker. 2,702,568.  
Feld, George B., W. H. Markwood, Jr., and G. M. Taylor, to Hercules Powder Co. 2,722,340, Cl. 220—64.  
Feilden, Geoffrey B. R., D. N. Walker, and E. L. Meeson, to Power Jet (Research & Development) Ltd. 2,700,415, Cl. 158—36.4.  
Feilden, Geoffrey B. R., and W. M. Ogston, to Power Jets (Research and Development) Ltd. 2,727,716, Cl. 253—77.  
Feilhaber, Friedrich: *See*—  
Koch, Siegfried, and Feilhaber. 2,701,498.  
Fein, Martin L.: *See*—  
Filachione, Edward M., Fein, and Harris. 2,710,880.  
Fein, Martin L., W. P. Ratchford, E. M. Filachione, and C. H. Fisher, to United States of America as represented by the Secretary of Agriculture. 2,700,616, Cl. 106—181.  
Feinberg, Albert E. 2,709,231, Cl. 315—138.  
Feinberg, Albert E., to Advance Transformer Co. 2,712,618, Cl. 315—138.  
Feinberg, Albert E., and P. Berger, to Advance Transformer Co. 2,716,205, Cl. 315—138.  
Feinberg, Archie S. 2,698,570, Cl. 98—40.  
Feinberg, Elmer M. 2,727,331, Cl. 43—44.84.  
Feinen, Nicholas. 2,711,878, Cl. 254—134.3.  
Feinerman, Jack. 2,725,927, Cl. 155—184.  
Feinstein, Robert R., to Ophthalmos, Inc. 2,707,469, Cl. 128—233.  
Feinstein, Robert R., and A. W. Bechtold, to The Iso-Sol Co., Inc. 2,703,777, Cl. 167—59.  
Feinstein, Samuel: *See*—  
Reiter, David, and Feinstein. 2,725,877.  
Feist, Henry C., to The N. N. Hill Brass Co. 2,716,439, Cl. 155—73.  
Feist, Henry C., to The N. N. Hill Brass Co. 2,725,237, Cl. 280—122.  
Fejmert, Bernhard V.: *See*—  
Fejmert, Erik V. and B. V. 2,717,147.  
Fejmert, Erik V. and B. V.; said B. V. Fejmert assor, to said E. V. Fejmert. 2,717,147, Cl. 259—178.  
Feketics, Frank. 2,704,301, Cl. 174—35.  
Felburg, Robert A., to the United States of America as represented by the Secretary of the Air Force. 2,715,560, Cl. 312—298.  
Felder, Burton W.: *See*—  
Miller, William J., Squire, and Felder. 2,701,541.  
Feldhausen, Cyril P., and L. A. Ferk, to Cutler-Hammer, Inc. 2,708,259, Cl. 318—261.  
Feldhorn, Julius: *See*—  
Freedman, Jerome, and Feldhorn. 2,704,115.  
Feldman, Albert W.: *See*—  
Smith, Allen E., and Feldman. 2,701,760.  
Feldman, Albert W., and A. E. Smith, to United States Rubber Co. 2,701,759, Cl. 71—25.  
Feldman, Carl B. H.: *See*—  
Bennett, William R., and Feldman. 2,719,189.  
Feldman, Jacob C., to New England Bedding Co. 2,702,583, Cl. 155—45.  
Feldman, Samuel. 2,710,973, Cl. 2—199.  
Feldman, Samuel, to Felport Inc. 2,725,560, Cl. 2—10.  
Feldmann, Otto, to Ri-Ri-Werk A. G. 2,705,814, Cl. 18—36.  
Feldscher, John C.: *See*—  
Sheets, Herman E., Hegbar, Feldscher, and Meneley. 2,725,718.  
Feldser, Robert: *See*—  
Henry, Nelson B. 2,702,659.  
Feldstein, Henry H. 2,699,322, Cl. 257—28.  
Felgemacher, Herbert C.: *See*—  
Carlson, Clarence O., and Felgemacher. 2,704,611.  
Felger, James N.: *See*—  
Nicolaisen, Bernard H., and Felger. 2,715,061.  
Felger, James N., to Olin Mathieson Chemical Corp. 2,708,153, Cl. 23—190.  
Felger, James N., to Olin Mathieson Chemical Corp. 2,716,052, Cl. 23—117.  
Felici, Noel, to Centre National de la Recherche Scientifique. 2,702,355, Cl. 313—149.  
Felici, Noël, to Centre National de la Recherche Scientifique. 2,702,869, Cl. 310—6.  
Felix, André. 2,703,692, Cl. 248—244.  
Felix, James R., to Esso Research and Engineering Co. 2,717,854, Cl. 196—14.42.  
Felix, Michael O., to British Telecommunications Research Ltd. 2,718,593, Cl. 250—36.  
Felix, Reynold R. 2,705,328, Cl. 2—312.  
Feller, Lloyd L.: *See*—  
Crooker, David E. 2,720,906.  
Fell, Eric T., to Stevenson (Dyers) Ltd. 2,701,178, Cl. 8—128.  
Fell, William K.: *See*—  
Dauber, Louis, Mueller, and Fell. 2,708,682.  
Fella, Dominick V. 2,713,211, Cl. 33—216.  
Feller, Morris: *See*—  
Field, Edmund, and Feller. 2,726,231.  
Field, Edmund, and Feller. 2,726,234.  
Field, Edmund, and Feller. 2,727,024.  
Field, Edmund, and Feller. 2,728,757.  
Field, Edmund, and Feller. 2,728,758.  
Feller, Morris, and E. Field, to Standard Oil Co. 2,717,888, Cl. 260—94.9.  
Feller, Morris, and E. Field, to Standard Oil Co. 2,717,889, Cl. 260—94.9.  
Fellermeier, Sebastian: *See*—  
Nitzsche, Siegfried, Kaib, and Fellermeier. 2,719,859.  
Fellmann, Rudolf, ½ to Skoda-Works, National Corp. 2,701,569, Cl. 131—96.  
Fellows, John E., to Bankers Box Co. 2,723,073, Cl. 229—30.  
Fellows Gear Shaper Co., The: *See*—  
Miller, Edward W. 2,711,673.  
Riley, Joseph. 2,706,848.  
Fellows Medical Mfg. Co., Inc.: *See*—  
Meyer, Arthur E. 2,721,203.  
Fellows, Richard A.: *See*—  
Brown, Henry, and Fellows. 2,707,166.  
Felpport Inc.: *See*—  
Feldman, Samuel. 2,725,560.  
Felsa A. G.: *See*—  
Meyer, Friedrich. 2,699,641.  
Meyer, Friedrich. 2,709,332.  
Meyer, Friedrich. 2,720,747.  
Meyer, Friedrich. 2,728,189.  
Felsenheld, Robert A.: *See*—  
Kandoian, Armig G., and Felsenheld. 2,726,388.  
Felt, Adolph E., to A. O. Smith Corp. 2,701,696, Cl. 244—134.  
Felt, Adolph E., to A. O. Smith Corp. 2,715,446, Cl. 170—159.  
Felt, Adolph E., and C. C. Fuerbringer, to A. O. Smith Corp. 2,701,485, Cl. 80—19.  
Felt, David C., to Allen B. Du Mont Laboratories, Inc. 2,703,826, Cl. 200—6.  
Felt, George H. 2,698,491, Cl. 37—144.  
Felt, Paul W., to Brown & Bigelow. 2,727,376, Cl. 67—7.1.  
Felt and Tarrant Mfg. Co.: *See*—  
Conrad, Norman L. 2,702,710.  
Felton, George F. 2,720,350, Cl. 224—42.1.  
Felton, John M., to Wheeling Steel Corp. 2,720,574, Cl. 219—10.  
Felton, William, ½ to David Crabtree & Sons Ltd. 2,717,117, Cl. 28—49.  
Feltzin, Joseph. 2,712,553, Cl. 260—534.  
Femina, Felice D., to V. La Rosa & Sons, Inc. 2,713,313, Cl. 107—14.  
Fenby, Hyban R. B., ½ to Wallwin (Turning Machines) Ltd. 2,726,020, Cl. 223—38.  
Fendlason, Jason D., Sr. 2,706,925, Cl. 84—413.  
Fencil, Louise K.: *See*—  
Keil, Harvard L., and Fencil. 2,708,169.  
Fenell, Louis F. 2,716,036, Cl. 289—17.  
Fener, Alfred, to N. Langer. 2,714,416, Cl. 154—42.  
Fengler, Ferdinand, to The E. Ingraham Co. 2,709,333, Cl. 58—91.  
Fenn, John B.: *See*—  
Mullen, James W., II, and Fenn. 2,722,553.  
Fenn, Lawrence E. 2,727,977, Cl. 219—32.  
Fennell, Frank C., and J. R. Erbe, to Westinghouse Electric Corp. 2,703,858, Cl. 318—7.  
Fennell, William J. 2,724,223, Cl. 51—232.  
Fennelly, Joseph C.: *See*—  
Hensel, Herman S., and Fennelly. 2,703,451.  
Fennema, Richard, to Crane Co. 2,701,705, Cl. 251—367.  
Fenner, Eckhard, and A. Schmidt. 2,718,605, Cl. 313—60.  
Fenner, Walter W., 49% to H. P. Niemczyk. 2,727,363, Cl. 62—102.  
Fennessy, Donald T., to Monroe Calculating Machine Co. 2,718,633, Cl. 340—345.  
Fenske, Merrell R., to Esso Research and Engineering Co. 2,721,164, Cl. 196—13.  
Fenske, Merrell R., to Esso Research and Engineering Co. 2,728,708, Cl. 196—13.  
Fenske, Merrell R., and R. G. Geier, to Esso Research and Engineering Co. 2,723,940, Cl. 196—13.  
Fenske, Merrell R., and J. H. Jones, to Esso Research and Engineering Co. 2,725,344, Cl. 196—142.  
Fensom, George E.: *See*—  
Menzies, Alexander C. G., Fensom, and Zehden. 2,717,401.  
Fenster, Abraham S., and E. S. Ulm, Jr., to International Harvester Co. 2,727,347, Cl. 56—1.  
Fenster, Robert: *See*—  
Aidin, Samuel S., and Fenster. 2,719,507.



- Fenton, Frank W., to Beacon Production Equipment Corp. 2,709,410, Cl. 104—31.
- Fenton, Paul E., to Scovill Mfg. Co. 2,698,473, Cl. 24—218.
- Fenton, Paul E., to Scovill Mfg. Co. 2,724,162, Cl. 24—216.
- Fentress, David W., and F. S. Schindler, to Chicago Metal Hose Corp. 2,707,117, Cl. 285—90.
- Fenwick, John O., to McGraw Electric Co. 2,707,155, Cl. 117—49.
- Fenwal Inc.: *See*—  
Walter, Carl W. 2,702,034.  
Walter, Carl W. 2,702,037.
- Ferber, Robert, to Usines Gallus Societe Anonyme. 2,717,134, Cl. 248—11.
- Ferdinand, Georges: *See*—  
Quercia, Marcel, and Ferdinand. 2,728,213.
- Ferguson, Rector C., to Allis-Chalmers Mfg. Co. 2,705,860, Cl. 56—42.
- Ferguson, Rector C., to Allis-Chalmers Mfg. Co. 2,723,519, Cl. 56—42.
- Ferguson, Rector C., to Allis-Chalmers Mfg. Co. 2,723,769, Cl. 214—508.
- Ferguson, Rector C., to Allis-Chalmers Mfg. Co. 2,728,184, Cl. 56—119.
- Fergnani, Walter P., to Post Machinery Corp. 2,701,990, Cl. 93—52.
- Fergnani, Walter P., to Post Machinery Co. 2,710,752, Cl. 271—35.
- Ferguson, Carl S. 2,720,726, Cl. 47—58.
- Ferguson, Daniel. 2,724,212, Cl. 46—179.
- Ferguson, Edgar A., Jr. 2,714,083, Cl. 167—55.
- Ferguson, Forrest G. 2,699,810, Cl. 152—330.
- Ferguson, Garvin J. 2,699,680, Cl. 73—425.4.
- Ferguson, Harry, Inc.: *See*—  
Bunting, Ernest V. 2,707,612.  
Bunting, Ernest V. 2,715,863.  
Hautzenroeder, Richard W. 2,709,117.  
Klemm, Herman G., and Bunting. 2,721,509.  
Kopp, Lester G. 2,715,864.  
Nelson, Noral A. 2,707,643.
- Ferguson, Henry A., and R. C. Boyle, to International Harvester Co. 2,723,569, Cl. 74—473.
- Ferguson, Henry B., to Esso Research and Engineering Co. 2,709,206, Cl. 179—171.
- Ferguson, Huston E. 2,726,306, Cl. 201—64.
- Ferguson, J. L., Co.: *See*—  
Ferguson, John L. 2,720,394.  
Ferguson, John L., and Rockcastle. 2,718,105.  
Ferguson, John L., and Talbot. 2,702,110.  
Ferguson, John L., and Talbot. 2,707,922.
- Ferguson, John J.: *See*—  
Scott, Harry A., and Ferguson. 2,727,719.
- Ferguson, John L., to J. L. Ferguson Co. 2,720,394, Cl. 271—62.
- Ferguson, John L., and R. C. Talbot, to J. L. Ferguson Co. 2,702,110, Cl. 198—21.
- Ferguson, John L., and R. C. Talbot, to J. L. Ferguson Co. 2,707,922, Cl. 107—6.
- Ferguson, John L., and C. J. Rockcastle, to J. L. Ferguson Co. 2,718,105, Cl. 53—5.
- Ferguson, Leslie A.: *See*—  
Dosmann, Lucian P., Ferguson, and Strock. 2,698,816.
- Ferguson, Walter F. C., and J. H. Greig, to Mergenthaler Linotype Co. 2,699,101, Cl. 95—45.
- Ferguson, William C., and P. S. Sussenbach, to The Presstite Engineering Co. 2,700,631, Cl. 154—102.
- Ferk, Lawrence A.: *See*—  
Feldhausen, Cyril P., and Ferk. 2,708,259.
- Ferland, Napoleon S.: *See*—  
Quinn, Edward, and Ferland. 2,722,182.
- Ferland, Napoleon S., to United Shoe Machinery Corp. 2,714,215, Cl. 12—1.
- Ferlazzo, Anthony P. 2,722,814, Cl. 66—1.
- Ferri, Enrico, and L. Szilard, to the United States of America as represented by the United States Atomic Energy Commission. 2,708,656, Cl. 204—193.
- Ferri, Enrico, and W. H. Zinn, to the United States of America as represented by the United States Atomic Energy Commission. 2,714,577, Cl. 204—193.
- Fernald, Gordon H., to The Richardson Co. 2,700,694, Cl. 136—146.
- Fernald, Gordon H., and K. M. Enloe, to The Richardson Co. 2,707,201, Cl. 136—146.
- Fernald, Herbert B., and A. S. Orr, to Gulf Research & Development Co. 2,710,300, Cl. 260—455.
- Fernandez, John J., 1/2 to G. S. Renard. 2,698,621, Cl. 128—317.
- Fernandez, Manuel M.: *See*—  
Degaetano, Ralph, and Fernandez. 2,726,425.
- Fernsler, Edward B., and H. E. Tschop, to The International Nickel Co., Inc. 2,710,271, Cl. 148—13.1.
- Fernsler, George L., to Radio Corp. of America. 2,704,816, Cl. 313—76.
- Ferranti Ltd.: *See*—  
McCallum, Donald M. 2,716,198.  
McCallum, Donald M., and Gent. 2,699,677.
- Ferrara, Benjamin. 2,709,466, Cl. 145—50.
- Ferrari, Andres, Jr., to Technicon International, Ltd. 2,706,485, Cl. 134—56.
- Ferrari, Andrés, Jr., to Scopicon, Inc. 2,727,435, Cl. 88—40.
- Ferrari, Ernest R. 2,724,294, Cl. 76—49.
- Ferrari, Lorenzo. 2,714,825, Cl. 74—689.
- Ferrario, John J., and J. Dondero. 2,706,060, Cl. 214—652.
- Ferraris, John T.: *See*—  
Lofgren, Gustaf E., and Ferraris. 2,725,952.
- Ferraris, John T., to Electrolux Corp. 2,702,325, Cl. 200—50.
- Ferraro, Vincent. 2,721,549, Cl. 128—98.
- Ferre, Charles F.: *See*—  
Ingersoll, Roy C., Ferre, and Albert. 2,714,316.
- Ferre Corp.: *See*—  
Robson, James T., and Tucker. 2,708,172.
- Ferre, Maurice C., to Schlumberger Well Surveying Corp. 2,712,631, Cl. 324—1.
- Ferrer, Justiniano G. 2,707,293, Cl. 15—128.
- Ferrero, Giulio: *See*—  
Polizzi, Giacomo. 2,701,924.
- Ferrier, André P. S. 2,699,165, Cl. 128—60.
- Ferrier, Jacques J., and J. Boué. 2,704,891, Cl. 33—126.5.
- Ferrin, Jean P., to The Texas Co. 2,723,237, Cl. 252—49.8.
- Ferris, David R., to Kysor Heater Co. 2,699,481, Cl. 200—140.
- Ferris, Lockwood W., to Compania Salitrera Anglo-Lautaro (Anglo-Lautaro Nitrate Corp.). 2,727,626, Cl. 209—166.
- Ferris, Robert G., to Starline Inc. 2,710,677, Cl. 189—32.
- Ferris, Robert G., to the United States of America as represented by the Secretary of the Navy. 2,714,640, Cl. 200—80.
- Ferris, Robert G., to Starline, Inc. 2,725,957, Cl. 187—6.
- Ferris, Robert G., to Starline, Inc. 2,726,635, Cl. 119—51.
- Ferris, Russell A. 2,721,238, Cl. 200—61.51.
- Ferris, Walter, to The Oilgear Co. 2,716,944, Cl. 103—2.
- Ferris, Walter, to The Oilgear Co. 2,728,302, Cl. 103—161.
- Ferro Corp.: *See*—  
Bahnsen, Monroe J., Goda, and McIntyre. 2,702,757.  
Elliott, Stanley B. 2,712,996.  
Lally, Robert E. 2,711,401.  
Robson, James T. 2,715,370.
- Ferro Electric Products, Inc.: *See*—  
Tuttle, Daniel V. 2,728,829.
- Ferro Machine and Foundry, Inc.: *See*—  
Graves, Frederick G. 2,709,992.
- Ferro Powdered Metals, Inc.: *See*—  
Smith, Guy B. 2,715,589.
- Ferro Stamping Co.: *See*—  
Fish, Carl C. 2,707,320.  
Fish, Carl C. 2,719,049.
- Ferry, Chamberlain: *See*—  
Roby, Sheldon S., and Ferry. 2,700,080.
- Ferry, John T., J. L. Sterling, and E. H. Mobius, to Remington Rand Inc. 2,704,024, Cl. 101—93.
- Ferstandig, Louis L., to California Research Corp. 2,706,735, Cl. 260—465.
- Fesmire, Norman W.: *See*—  
Reynolds, Lewis F., and Fesmire. 2,698,569.
- Fessenden, Ace C.: *See*—  
Britton, Richard K. 2,702,152.
- Fessenden, George R. 2,698,809, Cl. 117—3.
- Fessenden, Marvin S., and J. M. Buening, to The Central Carton Co. 2,713,740, Cl. 40—126.
- Fessler, Frank, 100/995ths to J. J. Gustat, 100/995ths to P. F. McDevitt, 100/995ths to E. W. Phillips, 50/995ths to C. W. Hutchinson, 50/995ths to A. J. Blake, 100/995ths to R. J. Lamb, 400/995ths to F. Fessler, and 95/995ths to R. Low. 2,714,573, Cl. 202—39.
- Fetscher, Charles A., to Cluett, Peabody & Co., Inc. 2,704,729, Cl. 117—76.
- Fett, Clair B., to Bluffton Slaw Cutter Co. 2,720,234, Cl. 146—180.
- Fette, Wilhelm, Prazisionswerkzeug-Fabrik: *See*—  
Erdelyi, Ferenc, and Steenholdt. 2,720,801.
- Fetter, Norman C., to Western Newell Mfg. Co. 2,718,922, Cl. 160—344.
- Fetterle, Marcel: *See*—  
Huguenin, Pierre, and Fetterle. 2,716,829.
- Fettig, Arthur J., to Burroughs Corp. 2,710,719, Cl. 235—60.48.
- Fettweis, Charles P. 2,704,797, Cl. 200—142.
- Fetzer, Walter R., and R. M. Hamilton, to Clinton Foods, Inc. 2,720,465, Cl. 106—210.
- Feucht, Albert, to Westinghouse Air Brake Co. 2,704,203, Cl. 255—45.
- Feucht, Jacob E.: *See*—  
Gunning, Samuel D., and Feucht. 2,701,551.
- Feucht, Jacob E., to Westinghouse Air Brake Co. 2,700,373, Cl. 121—7.
- Feucht, Jacob E., to Westinghouse Air Brake Co. 2,701,125, Cl. 255—51.
- Feucht, Jacob E., to Westinghouse Air Brake Co. 2,703,222, Cl. 255—51.
- Feucht, Jacob E., to Cleveland Rock Drill Division, Westinghouse Air Brake Co. 2,726,065, Cl. 255—45.
- Feurer, Max N., to Merck & Co., Inc. 2,720,529, Cl. 260—340.9.
- Feustel, Ernest A., and K. E. Hoefer, to Ernest A. Feustel, Inc. 2,720,096, Cl. 66—125.
- Feustel, Ernest A., Inc.: *See*—  
Feustel, Ernest A., and Hoefer. 2,720,096.
- Few, William, to The Clark Controller Co. 2,713,137, Cl. 318—298.
- Fewel, Kenneth J., to Halliburton Oil Well Cementing Co. 2,715,444, Cl. 166—187.
- Fewings, David J., and J. W. Whitaker, to Marconi's Wireless Telegraph Co. 2,728,910, Cl. 343—113.
- Fiat S. p. a.: *See*—  
Bosso, Giacomo. 2,727,270.  
Giacosa, Dante. 2,705,660.  
Giacosa, Dante, and Mosso. 2,726,857.
- Fiberstone, Inc.: *See*—  
Chapman, William C. 2,717,537.



- Fibre-Drum Corp.: *See*—  
Berg, Roy E. 2,728,275.
- Fibre Metal Products Co., The: *See*—  
Bowers, Charles E. 2,710,965.  
Bowers, Charles E., Sr. 2,718,006.
- Fibus, Murray M.: *See*—  
Marcus, Jerome W., and Fibus. 2,709,038.
- Fickenscher, Kurt: *See*—  
Lautenbach, Friedrich, Uhink, Fickenscher, Haller, and Irtenkauf. 2,704,464.
- Fickett, Walter A., and C. E. Land, to Westinghouse Electric Corp. 2,727,101, Cl. 179—175.3.
- Ficklen, Joseph B.: *See*—  
Strong, Robert M., and Ficklen. 2,701,467.
- Fiddymont, John C. 2,708,942, Cl. 132—45.
- Fidelity Machine Co., Inc.: *See*—  
Larkin, Walter. 2,698,533.
- Fidelman, Paul H. 2,706,884, Cl. 58—117.
- Fidler, Frederick A.: *See*—  
Birch, Stanley F., Fidler, and Dean. 2,717,269.
- Fiechter, René A., to R. K. Price. 2,708,070, Cl. 235—61.
- Fiedler, George E.: *See*—  
Durang, Edwin F., Fiedler, and Margles. 2,708,997.
- Fiedorczyk, Joseph P., to The Stanley Works. 2,725,250, Cl. 292—167.
- Field, Albert. 2,700,852, Cl. 51—195.
- Field, Albert. 2,726,495, Cl. 51—193.
- Field, Alexander C., Sr., to The Procter & Gamble Co. 2,708,941, Cl. 132—33.
- Field, Crosby. 2,700,811, Cl. 29—4.5.
- Field, Crosby. 2,700,812, Cl. 29—4.5.
- Field, Edmund: *See*—  
Feller, Morris, and Field. 2,717,888.  
Feller, Morris, and Field. 2,717,889.
- Field, Edmund, and M. Feller, to Standard Oil Co. 2,726,231, Cl. 260—88.1.
- Field, Edmund, and M. Feller, to Standard Oil Co. 2,726,234, Cl. 260—94.9.
- Field, Edmund, and M. Feller, to Standard Oil Co. 2,727,024, Cl. 260—94.9.
- Field, Edmund, and M. Feller, to Standard Oil Co. 2,728,757, Cl. 260—94.9.
- Field, Edmund, and M. Feller, to Standard Oil Co. 2,728,758, Cl. 260—94.9.
- Field, Lester M., to The Board of Trustees of the Leland 2,712,605, Cl. 250—36.
- Field, Lester M., to The Board of Trustees of The Leland Stanford Junior University. 2,712,614, Cl. 315—3.6.
- Field, Lester M., to Bell Telephone Laboratories, Inc. Stanford Junior University. 2,724,775, Cl. 250—36.
- Field, Lester M., to Bell Telephone Laboratories, Inc. 2,725,499, Cl. 315—3.6.
- Field, Michael: *See*—  
Clutter, Carl E., Dugle, Field, and Foster. 2,723,507.
- Field, Robert E., to General Motors Corp. 2,700,962, Cl. 121—194.
- Field, William H., Co., Inc.: *See*—  
French, Warren F. 2,725,690.
- Field, William R. 2,715,961, Cl. 206—38.
- Fieldcrest Mills, Inc.: *See*—  
Alfred, Donald L., and Commins. 2,727,116.  
Hayden, Martin W., MacIsaac, Suttentfield, and Simpson. 2,712,907.  
MacIsaac, John T., Jr., Brey, and Hill. 2,716,266.  
Moberg, Ivar O. 2,704,557.  
White, Joseph T. 2,710,028.
- Fielden, Fred, and F. Murphy, to Thomas Robinson & Son Ltd. 2,717,124, Cl. 241—60.
- Fielden, John E., to Robertshaw-Fulton Controls Co. 2,704,342, Cl. 318—31.
- Fielden, John E., to Robertshaw-Fulton Controls Co. 2,709,785, Cl. 324—65.
- Fielden, Marvel L.: *See*—  
Cronheim, Georg E., Leake, and Fielden. 2,717,899.  
Cronheim, Georg E., Leake, and Fielden. 2,721,826.
- Fieldgate, Ivan O., to Specialties, Inc. 2,701,473, Cl. 73—188.
- Fields, Arnold C., and R. W. Warburton, to Westinghouse Electric Corp. 2,725,437, Cl. 200—61.67.
- Fields, Ellis K.: *See*—  
Roberts, Edward N., Fields, and Brown. 2,703,785.
- Fields, Ellis K., to Standard Oil Co. 2,703,784, Cl. 252—32.7.
- Fields, Ellis K., C. S. Scanley, and J. Linsk, to Standard Oil Co. 2,719,126, Cl. 252—47.
- Fields, Elsa F. 2,719,977, Cl. 2—61.
- Fields, Herbert. 2,724,489, Cl. 197—171.
- Fields, Joseph E.: *See*—  
Dazzi, Joachim, and Fields. 2,727,006.  
Knowles, Edwin C., Kluge, and Fields. 2,709,682.
- Fields, Joseph E., to Monsanto Chemical Co. 2,727,059, Cl. 260—465.4.
- Fier, Floyd R., to Donaldson Co., Inc. 2,701,029, Cl. 183—15.
- Fierbaugh, Emmett A., and M. W. Garber. 2,715,041, Cl. 296—35.
- Fierke, Scheuring S.: *See*—  
Chechak, Jonas J., and Fierke. 2,698,796.  
Cressman, Homer W. J., and Fierke. 2,698,795.
- Fiess, Norman W.: *See*—  
Long, Robert S., Green, and Fiess. 2,721,111.
- Fiet, Owen O., to Radio Corp. of America. 2,705,304, Cl. 332—47.
- Fiet, Owen O., to Radio Corp. of America. 2,724,774, Cl. 250—33.
- Figgins, George H. 2,712,808, Cl. 116—34.
- Figl, Jacques: *See*—  
Bisinger, Bernhard, and Figl. 2,715,754.
- Figura, Florence H. 2,707,841, Cl. 38—111.
- Fihe, Albert J.: *See*—  
Lear, Emory K. 2,713,939.
- Fike, Don G. 2,717,493, Cl. 62—1.
- Fike, John P., to A. O. Smith Corp. 2,718,864, Cl. 113—102.
- Fike, L. L., Metal Products Co.: *See*—  
Fike, Lester L. 2,716,506.
- Fike, Lester L., to L. L. Fike Metal Products Co. 2,716,506, Cl. 220—89.
- Filachione, Edward M.: *See*—  
Fein, Martin L., Ratchford, Filachione, and Fisher. 2,700,616.
- Filachione, Edward M., M. L. Fein, and E. H. Harris, Jr., to the United States of America as represented by the Secretary of Agriculture. 2,710,880, Cl. 260—535.
- Filar, Leo J., to Hercules Powder Co. 2,728,797, Cl. 260—621.
- Filbert, Bryson N.: *See*—  
Manne, Richard S., and Filbert. 2,728,800.
- Filbert, Howard C., Jr. 2,721,240, Cl. 200—83.
- Filia, George J., to General Electric Co. 2,699,662, Cl. 68—249.
- Filia, George J., to General Electric Co. 2,707,404, Cl. 74—376.
- Filko, John, to F. & B. Mfg. Co. 2,727,104, Cl. 200—30.
- Fillion, Stanley H., to Waugh Equipment Co. 2,715,510, Cl. 248—358.
- Fillion, Stanley H., to Waugh Equipment Co. 2,727,621, Cl. 206—46.
- Fillion, Stanley H., and A. E. Schaefer, to Waugh Equipment Co. 2,707,610, Cl. 248—215.
- Fillweber, Marcellus I., to John Oster Mfg. Co. 2,707,852, Cl. 51—80.
- Filsinger, John F., to Textile Marking Machine Co. Inc. 2,727,234, Cl. 1—3.
- Filson, Rogers C., to Phillips Petroleum Co. 2,718,795, Cl. 74—593.
- Filthuth, Ernest. 2,726,696, Cl. 146—213.
- Filtration Engineers Inc.: *See*—  
Cataldo, Henry C. 2,724,507.
- Finch, Dan M., to The Regents of The University of California. 2,699,086, Cl. 88—23.
- Finch, Dan M. 2,705,541, Cl. 181—50.
- Finch, Harold W. 2,724,534, Cl. 223—104.
- Finch, Harry D.: *See*—  
Deahl, Thomas J., and Finch. 2,701,264.  
Furman, Kenneth E., and Finch. 2,708,208.
- Finch, John C. 2,717,404, Cl. 15—131.05.
- Fincher, Harry L. 2,728,462, Cl. 212—8.
- Fincher, Woodrow C.: *See*—  
Maynor, Broadus J., and Fincher. 2,721,583.
- Findlay, Gordon R., to the United States of America as represented by the United States Atomic Energy Commission. 2,709,842, Cl. 22—57.2.
- Findlay, John: *See*—  
Thomson, James, and Findlay. 2,707,403.
- Findlay, Robert A., to Phillips Petroleum Co. 2,717,229, Cl. 196—14.15.
- Findlay, Robert A., to Phillips Petroleum Co. 2,719,818, Cl. 196—55.
- Findlay, Robert A., to Phillips Petroleum Co. 2,724,731, Cl. 260—666.
- Findlay, Robert A., to Phillips Petroleum Co. 2,726,998, Cl. 202—14.
- Findley, George W., to Ford Motor Co. 2,712,431, Cl. 254—86.
- Findley, Howard J.: *See*—  
Pipes, George R., and Findley. 2,717,179.
- Findley, Norman P., Jr. 2,721,531, Cl. 116—67.
- Fine, Clarence R., to Perspecta Sound Inc. 2,714,633, Cl. 179—100.1.
- Fine, Earl Y. 2,713,632, Cl. 240—108.
- Fine, James: *See*—  
Weisman, Sam, and Fine. 2,725,112.
- Fine, Richard D., III, to Atlas Powder Co. 2,702,796, Cl. 260—28.5.
- Fine, Samuel: *See*—  
Rittner, Edmund S., and Fine. 2,727,968.
- Finefrock, Delmar M. 2,718,269, Cl. 180—6.32.
- Finelli, Ernest. 2,704,886, Cl. 30—31.
- Finger, Paul R., to Collins Radio Co. 2,728,029, Cl. 315—39.73.
- Fingerprint Identification Service Co.: *See*—  
Lyon, Clifford B. 2,723,476.
- Finholt, Robert W.: *See*—  
Skiff, Russell A., and Finholt. 2,707,177.
- Finizie, Edmond J.: *See*—  
Finizie, Tomun. 2,720,158.
- Finizie, Tomun, to E. J. Finizie. 2,720,158, Cl. 99—421.
- Fink, Frank J. 2,722,984, Cl. 164—60.
- Fink, Frederick M.: *See*—  
Biggs, Donald I. 2,726,426.
- Fink, Israel J. 2,701,505, Cl. 90—15.1.
- Fink, Leroy M.: *See*—  
Beute, George W., and Fink. 2,723,650.
- Fink, Mearl M., to Martin-Parry Corp. 2,710,081, Cl. 189—85.
- Fink, Morris. 2,699,619, Cl. 40—130.



- Fink, Walter A., and J. D. Brown, to Toledo Scale Co. 2,706,502, Cl. 143—30.  
 Fink, Walter A., and J. D. Brown, to Toledo Scale Co. 2,722,254, Cl. 146—88.  
 Finkel, Aaron. 2,721,327, Cl. 2—90.  
 Finkel, Henry: *See—*  
   Frankel, Hugh, and Finkel. 2,706,429.  
 Finkel, Molly. 2,720,349, Cl. 223—91.  
 Finkel Umbrella Frame Co., Inc., The: *See—*  
   Militano, Vincent. 2,721,569.  
 Finkelstein, Morris B., to Radio Corp. of America. 2,700,747, Cl. 321—2.  
 Finkelstein, Theodor, and H. Heywood, to National Research Development Corp. 2,724,248, Cl. 62—136.  
 Finkelstein, William. 2,713,926, Cl. 190—57.  
 Finken, Walter S.: *See—*  
   Frieder, Leonard P., and Finken. 2,704,522.  
   Frieder, Leonard P., and Finken. 2,721,712.  
 Finlay, Walter L., R. T. Catlin, and G. E. Hutchinson, to Remington Arms Co., Inc. 2,700,839, Cl. 42—79.  
 Finlay, Walter L., B. W. Gonser, and R. I. Jaffee, to Rem-Cru Titanium, Inc. 2,703,278, Cl. 75—175.5.  
 Finlayson, Frank E.: *See—*  
   Swenson, Alfred G., and Finlayson. 2,723,336.  
 Finlayson, Lloyd T.: *See—*  
   Barstow, Ormond E., Finlayson, and Bridge. 2,715,705.  
 Finley, Robert W., to Basic Improvements, Inc. 2,699,602, Cl. 30—47.  
 Finley, William A., to Supplee-Wills-Jones Milk Co. 2,718,801, Cl. 81—34.1.  
 Finn, Sidney J., to United Shoe Machinery Corp. 2,703,420, Cl. 12—8.5.  
 Finneburgh, Lewis H., Jr., to M. L. Finneburgh. Re. 23,943, Cl. 250—33.  
 Finneburgh, Morris L.: *See—*  
   Finneburgh, Lewis H., Jr. Re. 23,943.  
 Finnegan, George B., Jr.: *See—*  
   Chedister, Conkling, Durham, and Finnegan. 2,715,783.  
 Finnell System, Inc.: *See—*  
   Lewis, Russell K. 2,726,807.  
 Finney, Horace R., to Westinghouse Electric Corp. 2,702,862, Cl. 250—43.  
 Finney Mfg. Co.: *See—*  
   Weiss, Robert S. 2,726,390.  
 Finsterwalder, Ulrich. 2,712,750, Cl. 72—8.  
 Finvold, Rodger C. 2,715,395, Cl. 123—119.  
 Finzel, Herman, to Weil Pump Co. 2,701,529, Cl. 103—87.  
 Finzel, Herman, to Weil Pump Co. 2,720,841, Cl. 103—111.  
 Fiocca, Alphonso G. 2,722,959, Cl. 150—28.  
 Fiordalisi, Fernanda M.: *See—*  
   Shukys, Julius G., Fiordalisi, and Croix. 2,727,900.  
 Fiorini, Sestilio, to Societa Italiana Ernesto Breda per Costruzioni Meccaniche. 2,715,356, Cl. 89—164.  
 Fiorito, J. Dan: *See—*  
   Calabrese, Antonio. 2,709,452.  
 Firestone Tire & Rubber Co., The: *See—*  
   Allen, Raymond W. 2,700,297.  
   Bebb, Robert L., Musch, Willis, and Miller. 2,702,285.  
   Blake, Robert W. 2,700,178.  
   Bosomworth, George P., and Bishop. 2,700,182.  
   Bosomworth, George P., King, and Sprague. 2,713,382.  
   Brock, Marilyn J. 2,702,284.  
   Brodin, Edwin N. 2,713,437.  
   Brown, Roy W. 2,700,458.  
   Brown, Roy W. 2,713,498.  
   Bukey, John R., and Smolka. 2,700,630.  
   Campbell, Harris S. 2,700,424.  
   Carr, Edward L. 2,700,659.  
   Cook, Wendell S., and Smith. 2,713,561.  
   Crane, Grant, and Barnhart. 2,700,688.  
   Darrow, Burgess. 2,713,372.  
   Daugherty, Walter J. 2,713,373.  
   Esler, Richard B. 2,713,242.  
   Fisher, Thomas W., Jr., and Rowland. 2,713,568.  
   Georges, Louis W. 2,700,406.  
   Griebing, Louis G. 2,700,366.  
   King, Frank S., and Cohen. 2,713,371.  
   Koch, Joseph, and Ford. 2,709,359.  
   Kuhn, Leroy B. 2,713,563.  
   Mayes, Carl G. 2,700,691.  
   Prettyman, Irven B., and Grover. 2,713,260.  
   Radcliffe, Milton R. 2,713,589.  
   Reid, Robert J. 2,713,562.  
   Reid, Robert J. 2,713,566.  
   Reid, Robert J., and Best. 2,713,549.  
   Reid, Robert J., and Best. 2,713,550.  
   Sisson, Homer B. 2,713,379.  
   Stavely, Frederick W. 2,700,517.  
   Steff, Eugene P., and Best. 2,713,580.  
   Wilson, Robert F. 2,700,181.  
 Firewel Industries: *See—*  
   Meidenbauer, Phillip E., Jr. 2,728,340.  
 Firing, Peter C.: *See—*  
   Meyer, Alfred W., and Firing. 2,698,718.  
 Firkins, Roy L. 2,726,477, Cl. 43—55.  
 Firm "Metallbau Semler G. m. b. H., Munich": *See—*  
   Seld, Hans V. 2,726,073.  
 Firma A. J. Tröster: *See—*  
   Weitz, Otto. 2,717,105.  
 Firma Busch-Werke A. G.: *See—*  
   Bührer, Johann. 2,714,328.  
 Firma Fichtel & Sachs A. G.: *See—*  
   Binder, Richard I. 2,725,965.  
 Firma Maschinenfabrik Adolf Claus: *See—*  
   Mohrs, Ernst, and Claus. 2,721,666.  
 Firma Rheinisch-Westfaelische Kalkwerke Aktiengesellschaft: *See—*  
   Mohrs, Ernst, and Claus. 2,721,666.  
 Firma Russ-Elektroofen K. G. Köln: *See—*  
   Rohn, Johann P. 2,706,212.  
 Firma Skf Kugellagerfabriken Gesellschaft mit beschränkter Haftung: *See—*  
   Neu, Karl-Hans, and Rogner. 2,708,290.  
 First National Bank of Amarillo, The: *See—*  
   Graham, William T. 2,701,511.  
   Graham, William T. 2,712,780.  
 First National Bank of Martinsville, Va., The: *See—*  
   Fontaine, Robert A. and F. M., and Steele. 2,710,696.  
 Firth-Brown Tools Ltd.: *See—*  
   Booth, Christopher H. 2,708,376.  
 Firth Carpet Co., Inc., The: *See—*  
   Dole, Moody C., 2nd, and Roberts. 2,703,439.  
   Herrnstadt, Gerald E. 2,718,132.  
   Matthews, Russell R. 2,699,593.  
   Matthews, Russell R. 2,718,243.  
 Firth, David, to Dodge Mfg. Corp. 2,718,155, Cl. 74—230.17.  
 Firth, David, to Dodge Mfg. Corp. 2,722,842, Cl. 74—230.17.  
 Firth, George. 2,725,219, Cl. 259—1.  
 Firth, John W.: *See—*  
   Blizzard, James R., Firth, and Wynkoop. 2,722,714.  
   Blizzard, James R., Firth, and Wynkoop. 2,722,715.  
   Blizzard, James R., Firth, and Wynkoop. 2,723,201.  
 Firth, T. F., and Sons Ltd.: *See—*  
   Gaunt, Alfred, Earle, and Ross. 2,712,683.  
 Fisch, Richard A.: *See—*  
   Seckel, Peter H. 2,714,076.  
 Fisch, Richard A. 2,728,104, Cl. 18—12.  
 Fisch, Willy, to Ciba Ltd. 2,712,535, Cl. 260—45.4.  
 Fischbach, Adolph, to the United States of America as represented by the Secretary of the Army. 2,700,693, Cl. 136—6.  
 Fischer, Albert, to Allwood Inc. 2,727,542, Cl. 144—176.  
 Fischer, Anthony J.: *See—*  
   Logan, Robert P., and Fischer. 2,723,231.  
 Fischer, Charles W., to Research Corp. 2,707,352, Cl. 47—58.  
 Fischer, Emil. 2,718,769, Cl. 66—185.  
 Fischer, Ernst: *See—*  
   Seidenfaden, Wilhelm, Fischer, and Thomae. 2,709,165.  
 Fischer, Ernst, to Farbwerke Hoechst A. G. vormals Meister Lucius and Bruning. 2,703,319, Cl. 260—203.  
 Fischer, Franklin C. 2,721,563, Cl. 134—61.  
 Fischer, Georg, Aktiengesellschaft: *See—*  
   Künzi, Karl. 2,700,949.  
   Wernli, Max. 2,716,905.  
 Fischer, Heinz F. 2,728,877, Cl. 315—111.  
 Fischer, Henry C. 2,726,704, Cl. 153—80.5.  
 Fischer, Herbert C. 2,724,879, Cl. 22—20.  
 Fischer, Howard J., to The United States Printing & Lithograph Co. 2,701,089, Cl. 229—16.  
 Fischer, Howard L., and J. W. Wicks, to Brown & Bigelow. 2,710,533, Cl. 67—7.1.  
 Fischer, Howard R., to Chicago Pneumatic Tool Co. 2,704,681, Cl. 287—53.  
 Fischer, Howard R., to Chicago Pneumatic Tool Co. 2,716,393, Cl. 121—32.  
 Fischer, Howard R., and J. A. Roberts, to Chicago Pneumatic Tool Co. 2,718,798, Cl. 78—48.  
 Fischer, Howard R., and J. A. Roberts, to Chicago Pneumatic Tool Co. 2,718,868, Cl. 116—124.  
 Fischer, Johannes, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. 2,712,525, Cl. 204—140.5.  
 Fischer, Laurin G.: *See—*  
   De Rosa, Louis A., Di Toro, and Fischer. 2,718,638.  
 Fischer, Otto. 2,702,575, Cl. 152—239.  
 Fischer, Paul E., to E. G. Staude Mfg. Co., Inc. 2,700,364, Cl. 118—1.  
 Fischer, Paul E., to E. G. Staude Mfg. Co., Inc. 2,723,604, Cl. 93—61.  
 Fischer, Paul E., and N. I. Paulsen: said Fischer assor. to General Mills, Inc., and said Paulsen assor. to Reynolds Metals Co. 2,726,497, Cl. 53—17.  
 Fischer, Paul E., R. S. Hedin, C. H. Swanson, and H. E. Wissman, to General Mills, Inc. 2,726,498, Cl. 53—149.  
 Fischer, Paul E., R. S. Hedin, C. H. Swanson, and H. E. Wissman, to General Mills, Inc. 2,726,499, Cl. 53—149.  
 Fischer, Paul M., and E. Pell, to Cutler-Hammer, Inc. 2,722,653, Cl. 322—25.  
 Fischer, Paul W.: *See—*  
   Nowak, Theodore J., and Fischer. 2,714,929.  
 Fischer, Paul W., to Union Oil Co. of California. 2,721,841, Cl. 252—8.5.  
 Fischer, Paul W., and T. J. Nowak, to Union Oil Co. of California. 2,708,974, Cl. 166—33.  
 Fischer, Paul W., and J. W. Scheffel, to Union Oil Co. of California. 2,717,239, Cl. 252—8.5.  
 Fischer & Porter Co.: *See—*  
   Birchall, George H., Jr., and Purdy. 2,711,846.  
 Fischer, Raymond C., to Allis-Chalmers Mfg. Co. 2,707,058, Cl. 214—140.  
 Fischer, Roger W.: *See—*  
   Stark, Sidney, Evans, Fischer, and Norton. 2,723,528.  
 Fischer, Wilbur F.: *See—*  
   Young, David W., Cottle, and Fischer. 2,716,096.  
 Fischer, William H. 2,719,040, Cl. 273—126.  
 Fischer, William K.: *See—*  
   Kiernan, Conleth E., and Fischer. 2,728,703.



- Fischer, William K., to United States Rubber Co. 2,710,821, Cl. 154—130.
- Fischerström, Nils C. H., and I. S. Gullström, to Industrikemiska Aktiebolaget. 2,708,571, Cl. 261—124.
- Fischinger, Oskar. 2,707,103, Cl. 272—10.
- Fischl, Fred B.: *See*—  
Tutwiler, Thomas S., Fischl, and Cyphers. 2,706,177.
- Fishman, Sylvia. 2,714,924, Cl. 155—131.
- Fish, Carl C., to Ferro Stamping Co. 2,707,320, Cl. 29—152.
- Fish, Carl C., to Ferro Stamping Co. 2,719,049, Cl. 292—220.
- Fish, Herbert L., to Tubing Appliance Co., Inc. 2,708,855, Cl. 81—61.
- Fish, Herbert L., to Tubing Appliance Co., Inc. 2,712,256, Cl. 81—58.2.
- Fish, Herbert L., to Tubing Appliance Co. Inc. 2,712,257, Cl. 81—62.
- Fish, Kenneth E., to Winsor & Jerauld Mfg. Co. 2,703,020, Cl. 74—254.
- Fish, Leslie A. 2,710,637, Cl. 146—73.
- Fish-Schurman Corp.: *See*—  
Schröder, Hubert. 2,700,323.
- Fish, William M., to Aluminum Co. of America. 2,715,548, Cl. 302—29.
- Fishbein, Allan J. 2,711,739, Cl. 128—335.
- Fishberg, Charles: *See*—  
Newton, Ralph W. 2,708,030.
- Fishell, John M. 2,698,749, Cl. 266—34.
- Fisher, Albert E.: *See*—  
Butler, Robert P. 2,723,084.
- Fisher, Bernard C., to M. R. Fisher. 2,708,428, Cl. 123—191.
- Fisher, Charles H.: *See*—  
Fein, Martin L., Ratchford, Filachione, and Fisher. 2,700,616.
- Rehberg, Chessie E., and Fisher. 2,712,025.
- Fisher, Charles R., J. Southworth, Jr., E. A. Schumacher, and R. J. Bennett, to Union Carbide and Carbon Corp. 2,724,010, Cl. 136—102.
- Fisher, Charles R., Jr., to General Dynamics Corp. 2,723,313, Cl. 179—18.
- Fisher & Christen: *See*—  
Abell, Harry D. and H. E., and Heald. 2,709,515.
- Abell, Harry D. and H. E., and Heald. 2,709,585.
- Abell, Harry D. and H. E., and Heald. 2,717,153.
- Fisher, Clarence W. 2,722,013, Cl. 2—279.
- Fisher, Clayton. 2,701,349, Cl. 339—155.
- Fisher, Clifford C. 2,722,121, Cl. 73—23.
- Fisher, David, to U. S. Washmobile. 2,699,792, Cl. 134—56.
- Fisher, Delmar W. Re. 23,940. Cl. 259—154.
- Fisher, Earl L., to Bell Telephone Laboratories, Inc. 2,724,793, Cl. 317—66.
- Fisher, Elwyn D., and H. M. Green, to Horizons Inc. 2,723,928, Cl. 148—26.
- Fisher, Everett B.: *See*—  
Hughes, William B., and Fisher. 2,700,024.
- Fisher, Foster. 2,704,857, Cl. 17—11.1.
- Fisher, Foster. 2,705,340, Cl. 17—11.3.
- Fisher, Frank F. 2,700,818, Cl. 30—103.
- Fisher, Frederick G.: *See*—  
Williamson, Marshall I., and Fisher. 2,713,451.
- Fisher, Gene J.: *See*—  
Schnizer, Arthur W., and Fisher. 2,714,616.
- Fisher, George A., to The C. H. Musselman Co. 2,726,958, Cl. 99—102.
- Fisher, Guy N., to Kraft Foods Co. 2,702,648, Cl. 217—26.5.
- Fisher, H., (Oldham) Ltd.: *See*—  
Lloyd-Kessel, Frederick. 2,712,228.
- Fisher, Harold B. 2,724,926, Cl. 46—120.
- Fisher, Harry C.: *See*—  
Sooy, Brainard E., and Fisher. 2,725,307.
- Fisher, Harry C., and S. W. Trosset, Jr., to The Gardner Board and Carton Co. 2,725,306, Cl. 117—60.
- Fisher, Herman G., L. W. Sly, R. W. Crawford, and W. P. Doe. to Fisher-Price Toys, Inc. 2,724,925, Cl. 46—107.
- Fisher, James W.: *See*—  
Kowolik, Ernest J., and Fisher. 2,705,225.
- Fisher, John F., to Hershey Machine & Foundry Co. 2,702,643, Cl. 214—18.26.
- Fisher, John G. 2,699,140, Cl. 116—114.
- Fisher, John H., to Astron Corp. 2,713,700, Cl. 18—59.
- Fisher, Kenneth J.: *See*—  
Conroy, Robert P., Jr., and Fisher. 2,722,208.
- Fisher, Louis J., to F. B. Smith. 2,704,539, Cl. 128—2.
- Fisher-Luttrell, William, and F. Dove, to The Sperry Gyroscope Co., Ltd. 2,698,542, Cl. 74—5.7.
- Fisher, Martin A. 2,722,054, Cl. 33—64.
- Fisher, Martin H., and S. J. Campbell, to Westinghouse Electric Corp. 2,709,772, Cl. 318—6.
- Fisher, Mary R.: *See*—  
Fisher, Bernard C. 2,708,428.
- Fisher, Norwood G.: *See*—  
Bell, Kenneth, and Fisher. 2,699,285.
- Fisher-Pierce Co., Inc.: *See*—  
Garnick, Philip. 2,709,224.
- Fisher-Price Toys, Inc.: *See*—  
Fisher, Herman G., Sly, Crawford, and Doe. 2,724,925.
- Fisher, Raymond W., to American Pipe and Construction Co. 2,727,341, Cl. 51—184.4.
- Fisher, Robert E.: *See*—  
Johnson, Wallace J. S., and Fisher. 2,724,620.
- Fisher, Robert E., to Up-Right, Inc. 2,704,652, Cl. 254—161.
- Fisher, Robert P. 2,709,521, Cl. 209—346.
- Fisher, Thomas W., Jr., and G. P. Rowland, Jr., to The Firestone Tire & Rubber Co. 2,713,568, Cl. 260—45.5.
- Fisher, Victor L. 2,711,194, Cl. 143—6.
- Fisher, Webster E., and R. E. Gillmor, to Eastman Kodak Co. 2,701,210, Cl. 106—189.
- Fishman, Morris, and S. Hacking. 2,724,353, Cl. 112—138.
- Fishwick, Thomas: *See*—  
Van Colle, Victor G., and Fishwick. 2,727,700.
- Fishwood, Rollin W.: *See*—  
Williams, Norman C., and Fishwood. 2,718,876.
- Fisk, Bert, and C. L. Spencer. 2,705,795, Cl. 343—203.
- Fisk, Ralph G. 2,707,829, Cl. 30—315.
- Fisk, Willard C. 2,718,015, Cl. 5—119.
- Fiske, Irving: *See*—  
Gordon, Harry, and Fiske. 2,700,316.
- Fiske, Milan D., to General Electric Co. 2,713,161, Cl. 343—100.
- Fiske, Milan D., to General Electric Co. 2,725,531, Cl. 333—7.
- Fisker, Peder A., to Aktieselskabet Fisker & Nielsen. 2,722,994, Cl. 183—58.
- Fisler, Leland H., to The American Hardware Corp. 2,707,385, Cl. 70—134.
- Fisler, Leland H., to The American Hardware Corp. 2,724,607, Cl. 292—169.
- Fiss, Roy N.: *See*—  
Griffin, Dustin H., Fiss, and Kiers. 2,728,674.
- Griffin, Dustin H., Fiss, and Kiers. 2,728,675.
- Fitch, Benjamin F.: *See*—  
Norbom, Ragnar A. 2,718,933.
- Fitch, Clyde J., to International Business Machines Corp. 2,715,166, Cl. 200—103.
- Fitch, Clyde J., to International Business Machines Corp. 2,721,229, Cl. 178—17.
- Fitch, Clyde J., to International Business Machines Corp. 2,727,943, Cl. 178—17.
- Fitch, Dudley. 2,707,409, Cl. 76—31.
- Fitch, Elliot B., to The Dorr Co. 2,715,463, Cl. 209—159.
- Fitch, Ernest C., Jr.: *See*—  
Orloff, John E., and Fitch. 2,706,104.
- Fitch, Harold L., and S. L. Scudder, to Eastman Kodak Co. 2,725,155, Cl. 216—1.
- Fitch, Jason A., to Art Metal Construction Co. 2,721,606, Cl. 155—196.
- Fitch, John C. A., to Standard Container, Inc. 2,725,158, Cl. 220—54.
- Fitch, Karl E., J. T. Neiswinter, M. R. Purvis, and R. A. Vanderlippe; said Neiswinter assor, to American Telephone and Telegraph Co., said Fitch, said Purvis, and said Vanderlippe assors, to Bell Telephone Laboratories, Inc. 2,710,891, Cl. 178—73.
- Fitch, Lucille: *See*—  
Norbom, Ragnar A. 2,718,933.
- Fite, Wade L., and A. D. Rittmann, to Philco Corp. 2,712,087, Cl. 313—69.
- Fitler, Lester D., to Rome Cable Corp. 2,716,818. Cl. 33—131.
- Fitko, Chester W. 2,706,163, Cl. 117—72.
- Fitko, Chester W., and J. S. Horn. 2,706,188, Cl. 260—38.
- Fitzgerald, George E. 2,708,225, Cl. 200—154.
- Fitz Gerald, Harold G. 2,699,704, Cl. 88—24.
- FitzGerald, Harold G. 2,718,171, Cl. 88—24.
- Fitzgerald, Thomas D. 2,724,610, Cl. 294—49.
- Fitzgibbons, John A. 2,713,779, Cl. 62—165.
- Fitz Harris, Leo J.: *See*—  
Gerard, Frank W., and Fitz Harris. 2,725,089.
- Fitzjohn, Arthur P., 1/2 to George Turton Platts & Co. Ltd. 2,726,773, Cl. 213—43.
- Fitzkee, Franklin A., and C. A. Leash. 2,714,965, Cl. 211—113.
- Fitzner, Arthur O.: *See*—  
Moore, Raymond W., and Fitzner. 2,715,701.
- Fitzpatrick, Arthur M., Jr. 2,706,379, Cl. 58—88.
- Fitzpatrick, Arthur M., Jr. 2,710,445, Cl. 30—40.
- Fitzpatrick, James M.: *See*—  
Jast, George P., Fitzpatrick, and Gannon. 2,703,934.
- Fitzpatrick, Joseph P., and A. De Pasquale. 2,710,382, Cl. 339—40.
- Fitzpatrick, Thomas. 2,703,458, Cl. 33—174.
- Fitzsimmons, Harold C., to The Sharples Corp. 2,726,808, Cl. 233—19.
- Fitzsimmons, James F. 2,707,791, Cl. 12—147.
- Fixture Hardware Corp., The: *See*—  
Keil, Henry P. 2,722,885.
- Keil, Henry P. 2,722,886.
- Fizzell, James A., and J. G. Golseth, and R. W. Kay, to The Meditron Co. 2,704,064, Cl. 128—2.1.
- Fizzell, James L. 2,705,906, Cl. 94—39.
- Fjalstad, Torkel S. 2,718,907, Cl. 143—6.
- Fjellstedt, Thorsten, to McGraw Electric Co. 2,717,940, Cl. 200—166.
- Flack, Walter E.: *See*—  
Lange, Ludwig H., and Flack. 2,705,905.
- Flader, Frederick, Inc.: *See*—  
McGee, John W. 2,705,256.
- Flagg, Stanley G., & Co., Inc.: *See*—  
Cochran, Donald S. 2,712,207.
- Flakice Corp.: *See*—  
Hopkins, Neil E. 2,701,452.
- Flako Products Corp.: *See*—  
McCallum, Arthur. 2,708,042.
- Flamand, Maurice R., to Draper Corp. 2,703,590, Cl. 139—336.
- Flamand, Maurice R., to Draper Corp. 2,705,508, Cl. 139—122.
- Flamand, Maurice R., to Draper Corp. 2,710,631, Cl. 139—54.
- Flamm, Karl H., to C. Blue. 2,706,582, Cl. 222—207.



- Flanagan, William H., Jr., to United-Carr Fastener Corp. 2,700,144, Cl. 339—217.
- Flanders, Ernest V., and C. H. Drury, to Jones & Lamson Machine Co. 2,706,872, Cl. 51—95.
- Flannery, Lee I., and A. T. Paulson. 2,715,887, Cl. 119—52.
- Flarity, Warren H. 2,716,215, Cl. 324—68.
- Flata, Manuel L., and H. W. Bauman, to Ampro Corp. 2,718,561, Cl. 179—100.2.
- Flatz, Emil, and J. Hövel, to Klockner-Humboldt-Deutz Aktiengesellschaft. 2,725,045, Cl. 123—41.69.
- Fleck, August R. 2,715,547, Cl. 299—121.
- Fleck, Charles H. 2,720,342, Cl. 222—195.
- Fleck, Raymond N., to Union Oil Co. of California. 2,722,504, Cl. 196—52.
- Fleck, Raymond N., and J. L. Bills, to Union Oil Co. of California. 2,726,195, Cl. 196—50.
- Fleck, William J. 2,724,349, Cl. 107—14.
- Fleckenstein, Charles J., to Celanese Corp. of America. 2,719,419, Cl. 66—86.
- Fleetwood, Ira. 2,722,768, Cl. 43—44.91.
- Fleischer, Henry, and J. Rogg. 2,720,351, Cl. 226—41.
- Fleischer, Kurt W.: *See—*  
Hess, Frederic O., and Fleischer. 2,716,968.
- Fleischer, Paul. 2,706,518, Cl. 155—194.
- Fleischer, Robert. 2,700,806, Cl. 24—85.
- Fleischer, Svend S. C., and C. C. Thomsen. 2,723,683, Cl. 139—1.
- Fleischer, Walter L., to Air & Refrigeration Corp. 2,703,228, Cl. 261—11.
- Fleischhacker, Desider, and N. Barsel, to International Hormones, Inc. 2,712,024, Cl. 260—319.
- Fleischmann, Frederick H. 2,701,195, Cl. 95—2.
- Fleischmann, Lester K. 2,704,145, Cl. 197—126.
- Fleischmann, Lester K. 2,711,910, Cl. 282—7.
- Fleischmann, Lester K. 2,720,303, Cl. 197—126.
- Fleischmann, Lester K. 2,722,435, Cl. 282—1.
- Fleischmann, Lester K. 2,725,967, Cl. 197—126.
- Fleischmann, Lester K. 2,726,100, Cl. 282—1.
- Fleischmann, Lester K., and B. A. Schroeder; said Schroeder assor. to said Fleischmann. 2,725,968, Cl. 197—126.
- Fleischmann, Martin, to The Timken Roller Bearing Co. 2,724,647, Cl. 75—128.
- Fleming, Bruce A., to Edwin L. Wiegand Co. 2,726,315, Cl. 219—38.
- Fleming, Howard M., to Monroe Calculating Machine Co. 2,705,068, Cl. 197—129.
- Fleming, Howard M., Jr., to Monroe Calculating Machine Co. 2,713,676, Cl. 340—174.
- Fleming, John S.: *See—*  
Fleming, Margaret E. 2,710,613.  
Fleming, Margaret E. 2,711,746.  
Fleming, Margaret E. 2,711,747.
- Fleming, Margaret E., to J. S. Fleming. 2,710,613, Cl. 132—73.
- Fleming, Margaret E., to J. S. Fleming. 2,711,746, Cl. 132—73.
- Fleming, Margaret E., to J. S. Fleming. 2,711,747, Cl. 132—76.4.
- Fleming, Raymond E., to Sylvania Electric Products Inc. 2,723,922, Cl. 117—47.
- Fleming, Robert B., to R. J. Wittek. 2,708,423, Cl. 120—89.
- Fleming, Robert W., and R. F. Parcell, to Parke, Davis & Co. 2,722,529, Cl. 260—268.
- Fleming, William, and M. J. Loxley, to Joseph Lucas (Industries) Ltd. 2,715,313, Cl. 60—39.14.
- Fleming, William M. 2,726,759, Cl. 206—43.
- Flemming, Albert E.: *See—*  
Brown, Warren D., Dudley, Flemming, and Sturtevant. 2,705,655.
- Fletcher, Albert E. 2,719,737, Cl. 286—9.
- Fletcher, Alexander S., B. W. G. Savill, and D. Perkins, to the Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. 2,713,466, Cl. 244—138.
- Fletcher, Bernard R. 2,727,741, Cl. 272—53.2.
- Fletcher, Charles J.: *See—*  
Berg, Max W. 2,709,052.
- Fletcher, Ed, to Owens-Corning Fiberglas Corp. 2,717,416, Cl. 18—25.
- Fletcher, Edward H., and L. D. Ethington, to Deere Mfg. Co. 2,725,963, Cl. 192—18.
- Fletcher, Frank H., and C. C. Haferkamp. 2,721,623, Cl. 183—27.
- Fletcher, George, & Co. Ltd.: *See—*  
Murray, Cecil W. 2,717,142.
- Fletcher, Harold K.: *See—*  
Cannon, Joseph A., and Fletcher. 2,702,169.
- Fletcher, Henry R.: *See—*  
Hardeman, William E., Fletcher, Wilson, and Barlow. 2,722,389.
- Fletcher, Irving J.: *See—*  
McConnell, Frank J., and Fletcher. 2,713,257.  
Teich, Ernest L., and Fletcher. 2,701,160.  
Teich, Ernest L., and Fletcher. 2,721,095.
- Fletcher, James L. 2,720,411, Cl. 294—21.
- Fletcher, Maurice J., J. M. McKee, Jr., V. T. Riblett, and J. S. Brown; said Fletcher, said McKee, and said Riblett assors. to the United States of America as represented by the Secretary of the Army. 2,706,296, Cl. 3—12.7.
- Fletcher, Norman, to Imperial Chemical Industries Ltd. 2,711,402, Cl. 260—75.
- Fletcher, Walter B., to Raytheon Mfg. Co. 2,706,271, Cl. 323—48.
- Fletcher, Wendell S. 2,699,908, Cl. 244—137.
- Fletcher, William A.: *See—*  
Edmundson, William C., Nichols, and Fletcher. 2,711,491.
- Fletcher Works Inc.: *See—*  
Egee, Walter W. 2,699,905.  
Egee, Walter W. 2,717,126.  
Egee, Walter W., and Bennett. 2,705,110.  
Egee, Walter W., and Bennett. 2,717,302.  
Schaum, Fletcher. 2,716,858.
- Flewellen, Eugene H., Jr.: *See—*  
Blundell, Solon A., Jr., and Flewellen. 2,722,507.
- Flexicore Co. of Colorado: *See—*  
Porter, George S., and Wyatt. 2,725,958.
- Flexipac Ltd.: *See—*  
Gudge, Alfred J., and Burman. 2,724,863.
- Flex-O-Lators, Inc.: *See—*  
Hood, Eugene J. 2,715,230.  
Platt, John G. 2,719,987.  
Richardson, William F. 2,724,130.
- Fleysher, Maurice H., to Allied Chemical & Dye Corp. 2,705,668, Cl. 8—70.
- Flick, Robert H.: *See—*  
Toth, Julius, and Flick. 2,727,965.
- Flickinger, Edward. 2,718,329, Cl. 220—52.
- Flickinger, Lester, and W. L. Pierotti, to Zippo Mfg. Co. 2,704,447, Cl. 67—7.1.
- Flieg, Oskar: *See—*  
Becke, Friedrich, and Flieg. 2,719,160.
- Flight Refuelling Ltd.: *See—*  
Latimer-Needham, Cecil H. 2,716,527.  
Macgregor, Peter S. 2,728,590.
- Flight Research, Inc.: *See—*  
Haskins, Robert. 2,715,707.
- Flink, Allen R. 2,717,783, Cl. 275—14.
- Flinn, George E., to Borg-Warner Corp. 2,699,073, Cl. 74—47.2.
- Flinn, Hubert: *See—*  
Hornbruch, Hugo, Bartley, and Flinn. 2,719,293.
- Flint, Clarence M.: *See—*  
Baumrucker, William, Jr., and Flint. 2,710,153.  
Baumrucker, William, Jr., and Flint. 2,710,154.
- Flint, Hyland C., to American Metal Products Co. 2,698,650, Cl. 155—179.
- Flint, Hyland C., to American Metal Products Co. 2,698,651, Cl. 155—179.
- Flint, Hyland C., to American Metal Products Co. 2,702,078, Cl. 155—179.
- Flint, Hyland C., to American Metal Products Co. 2,705,632, Cl. 267—1.
- Flint, Hyland C., to American Metal Products Co. 2,719,578, Cl. 155—179.
- Flint, Hyland C., and S. E. Kime, to American Metal Products Co. 2,705,527, Cl. 155—179.
- Flint Steel Corp.: *See—*  
Mooney, Clyde F. 2,701,038.
- Floatax Separations Ltd.: *See—*  
Drigenko, Constantine, and Phipps. 2,723,030.
- Float-Lock Corp.: *See—*  
Persson, Henry. 2,724,295.
- Flocco, Vincent. 2,708,938, Cl. 131—240.
- Flock, Arthur E., Jr., to Lockheed Aircraft Corp. 2,702,678, Cl. 244—137.
- Flood, Carl A., to Dennison Mfg. Co. 2,701,486, Cl. 81—9.1.
- Flood, David W., and R. A. Mulligan, to United States Rubber Co. 2,719,830, Cl. 260—2.3.
- Flood, Edmund L., to General Dynamics Corp. 2,726,688, Cl. 143—158.
- Flood, John E.: *See—*  
Flowers, Thomas H., and Flood. 2,716,731.
- Flood Control Valve Co.: *See—*  
Weisman, Sam, and Fine. 2,725,112.
- Floor Coverings Co. of Puerto Rico, Inc.: *See—*  
Hopkins, Blake, Jr. 2,726,612.
- Flor, Henry A.: *See—*  
Meyer, William J., and Flor. 2,714,973.
- Flora, Laurence H., to Tinnerman Products, Inc. 2,698,979, Cl. 24—73.
- Flora, Laurence H., to Tinnerman Products, Inc. 2,699,535, Cl. 339—263.
- Flora, Laurence H., to Tinnerman Products, Inc. 2,715,215, Cl. 339—191.
- Flora, Laurence H., to Tinnerman Products, Inc. 2,717,622, Cl. 151—41.7.
- Flora, Laurence H., to Tinnerman Products, Inc. 2,717,749, Cl. 248—27.
- Flora, Laurence H., to Tinnerman Products, Inc. 2,723,432, Cl. 24—73.
- Flora, Laurence H., and J. Balint, to Tinnerman Products Inc. 2,707,013, Cl. 151—41.75.
- Flora, Laurence H., and J. Balint, to Tinnerman Products, Inc. 2,712,917, Cl. 248—73.
- Flora, Laurence H., and J. Balint, to Tinnerman Products, Inc. 2,716,263, Cl. 24—73.
- Flora, Laurence H., and J. Balint, to Tinnermann Products, Inc. 2,724,883, Cl. 24—73.
- Flora, Raymond A.: *See—*  
Shewmon, Ralph K., and Flora. 2,711,448.
- Flora, Rolla T. 2,723,609, Cl. 95—18.
- Florence, Albert N. 2,701,935, Cl. 46—86.
- Florence, Noel S., to Lightolier, Inc. 2,701,299, Cl. 240—78.
- Flores, Ezekiel. 2,713,805, Cl. 84—40.2.
- Florian, Richard H.: *See—*  
Salomone, Rynold A., and Florian. 2,705,344.
- Florida Industrial Laboratory, Inc.: *See—*  
Short, Charles R., and Brouillette. 2,719,332.



- Florio, Gerald C.: *See*—  
   Durst, Robert F., Florio, and Black. 2,724,078.  
 Florio, Patrick A., to Alexander Smith, Inc. 2,706,143, Cl. 8—94.1.  
 Florjančič, Peter. 2,712,472, Cl. 299—89.  
 Florman, Irving. 2,703,367, Cl. 250—83.6.  
 Florman, Irving. 2,704,153, Cl. 206—56.  
 Florman, Irving. 2,718,749, Cl. 58—80.  
 Flory, Leslie E., to Radio Corp. of America. 2,700,151, Cl. 340—213.  
 Flory, Leslie E., to Radio Corp. of America. 2,702,356, Cl. 315—9.  
 Flory, Lucien J. T. 2,703,240, Cl. 273—105.2.  
 Flory, Thomas W. 2,708,117, Cl. 279—51.  
 Floreal Corp.: *See*—  
   Read, Arthur. 2,701,678.  
 Flower, Burton T., and W. Q. Sullivan, to Lockheed Aircraft Corp. 2,722,060, Cl. 35—13.  
 Flowers, Alfred A., and G. A. Mitchell, to Western Electric Co., Inc. 2,719,263, Cl. 324—62.  
 Flowers, Henry F. 2,699,733, Cl. 105—199.  
 Flowers, Thomas H. 2,716,159, Cl. 179—18.  
 Flowers, Thomas H., and J. E. Flood. 2,716,731, Cl. 332—9.  
 Flowers, Thomas H., S. D. Harper, and L. R. F. Harris, to Her Majesty's Postmaster General. 2,727,094, Cl. 179—18.  
 Flowfax Corp.: *See*—  
   Lewis, John O. 2,707,394.  
 Floyd, Baron B., and E. W. Barry. 2,725,819, Cl. 101—107.  
 Fluck, Linton A., and A. L. Logan, to American Cyanamid Co. 2,718,478, Cl. 117—139.5.  
 Fluidal Valves, Inc.: *See*—  
   Page, John S. 2,724,401.  
 Fluk, Rose. 2,700,771, Cl. 2—212.  
 Fluke, John M., and S. Brown, to American Machine & Foundry Co. 2,705,145, Cl. 273—42.  
 Flum, Herman H.: *See*—  
   Hallerberg, Theodore W., Roberts, and Flum. 2,710,954.  
   Hallerberg, Theodore W., Roberts, and Flum. 2,710,955.  
   Hallerberg, Theodore W., Roberts, and Flum. 2,710,956.  
   Hallerberg, Theodore W., Roberts, and Flum. 2,723,389.  
 Flumerfelt, William A.: *See*—  
   Ross, Leslie D., and Flumerfelt. 2,710,208.  
 Fluor Corp., Ltd.: *See*—  
   Moerke, Ned H., and Newman. 2,707,033.  
 Fluor Corp., Ltd.: *See*—  
   Baird, Raymond C. 2,714,048.  
   Blohm, Clyde L., and Riesenfeld. 2,712,978.  
   Hannah, Joe C. 2,711,385.  
   Herndon, Lyle K. 2,703,749.  
   Langford, John A. 2,717,049.  
   Moerke, Ned H. 2,703,629.  
   Yates, Cecil F., Baird, and Sollars. 2,715,331.  
 Fly Ash Arrestor Corp.: *See*—  
   Smith, Lloyd B. 2,728,409.  
 Flygare, John E.: *See*—  
   Neubarth, Bennie A. 2,724,203.  
 Flynn, Charles E., and F. Hollis, Jr., to General Foods Corp. 2,720,460, Cl. 99—80.  
 Flynn, Edward J., and G. W. Young, to General Electric Co. 2,700,212, Cl. 29—195.  
 Flynn, Edwin R. 2,713,500, Cl. 280—407.  
 Flynn, Elwin E. 2,709,898, Cl. 62—6.  
 Flynn, James H., to General Motors Corp. 2,719,902, Cl. 219—15.  
 Flynn, John C. 2,701,371, Cl. 3—12.3.  
 Flynn, John H. 2,715,200, Cl. 317—83.  
 Flynn, Richard M.: *See*—  
   Krohn, Herbert F., Flynn, and Sassaman. 2,720,714.  
 Focher, Albert. 2,712,186, Cl. 37—81.  
 Focht, Nevin S. 2,714,003, Cl. 267—45.  
 Focht, Nevin S. 2,716,470, Cl. 188—96.  
 Focke, Gustavus K. 2,716,911, Cl. 81—23.  
 Focke, Heinrich C. J., to Ministerio da Aeronautica, Diretoria do Material. 2,702,084, Cl. 170—135.22.  
 Focke, Heinrich C. J., to Ministerio da Aeronautica, Diretoria do Material. 2,702,172, Cl. 244—48.  
 Focke, Heinrich C. J., to Ministerio da Aeronautics, Diretoria do Material. 2,714,495, Cl. 244—10.  
 Fodor, Nicholas, and R. S. Johnson, to Micro-Precision Inc. 2,699,766, Cl. 123—140.  
 Foehr, Edward G., to California Research Corp. 2,717,242, Cl. 252—49.6.  
 Foerstner, George C., to Amana Refrigeration, Inc. 2,728,623, Cl. 312—236.  
 Fogarty, Charles J., and H. F. Maschin, to The Westfield Mfg. Co. 2,715,033, Cl. 280—304.  
 Fogarty Mfg. Co.: *See*—  
   Slonneger, Bruce K. 2,704,216.  
 Fogel, Alfred: *See*—  
   Fogel, Lloyd and A. 2,703,566.  
 Fogel, Lloyd and A. 2,703,566, Cl. 126—120.  
 Fogelberg, Tord I. S., and H. G. E. Stern. 2,725,016, Cl. 104—7.  
 Fogelman, James N., and R. A. Wankel, to Eastman Kodak Co. 2,725,390, Cl. 260—397.7.  
 Fogle, John A. 2,700,864, Cl. 56—50.  
 Foglio, James J. 2,716,755, Cl. 2—279.  
 Fogt, Thomas H.: *See*—  
   Heidorn, John H., and Fogt. 2,723,538.  
 Foin, Owen F., Jr. 2,700,763, Cl. 343—11.  
 Fokakis, Nicholas J. 2,714,348, Cl. 99—387.  
 Foley, Francis B., and C. C. Clark, to The International Nickel Co., Inc. 2,708,159, Cl. 75—124.  
 Foley, Robert T., and O. P. McCarty, to General Electric Co. 2,717,296, Cl. 200—166.  
 Foley Mfg. Co.: *See*—  
   Johnson, Herbert C., Wicks, and Nerdahl. 2,727,753.  
 Foley, Theo L., and J. W. Davis. 2,709,227, Cl. 310—29.  
 Foley, William V.: *See*—  
   Hershfield, Sanford, and Foley. 2,721,939.  
 Folkers, Karl: *See*—  
   Koniuszy, Frank R., and Folkers. 2,701,249.  
   Wolf, Donald E., and Folkers. 2,710,298.  
   Wolf, Donald E., Folkers, and Peck. 2,720,527.  
 Folkerts, Walter E., to Chrysler Corp. 2,710,596, Cl. 121—41.  
 Folkins, Hillis O.: *See*—  
   Thacker, Carlisle M., and Folkins. 2,714,085.  
 Folkins, Hillis O., and E. L. Miller, to Food Machinery and Chemical Corp. 2,708,154, Cl. 23—206.  
 Folkins, Hillis O., E. Miller, and H. Hennig, to Food Machinery and Chemical Corp. 2,709,639, Cl. 23—206.  
 Folkrod, Clinton B.: *See*—  
   Buhler, James D., Smith, and Folkrod. 2,699,931.  
 Folley, Cranston W.: *See*—  
   Baker, Stanley W., and Folley. 2,702,618.  
 Folley, Cranston W., M. W. Galliers, and P. F. Horbatt, to Curtiss-Wright Corp. 2,727,611, Cl. 192—85.  
 Folt, Vernon L., and E. J. Carlson, to The B. F. Goodrich Co. 2,723,970, Cl. 260—80.7.  
 Foltz, Ermaid N. 2,728,032, Cl. 317—2.  
 Foltz, Luther O. 2,726,058, Cl. 248—231.  
 Fonda, Gilbert C.: *See*—  
   Lubin, Hilliard L., and Fonda. 2,717,448.  
 Fonda, Gorton R., to General Electric Co. 2,727,863, Cl. 252—301.4.  
 Fondazione Emanuele P.: *See*—  
   Paladino, Salvatore. 2,703,304.  
 Fondazione Emanuele Paterno: *See*—  
   Bovet, Daniel, and Marini-Bettolo. 2,725,386.  
 Fones, Frank H., to Whiting Corp. 2,712,468, Cl. 294—72.  
 Fonken, Gunther S., R. H. Levin, and A. V. McIntosh, Jr., to The Upjohn Co. 2,714,599, Cl. 260—397.45.  
 Fonken, Gunther S., R. H. Levin, and A. V. McIntosh, Jr., to The Upjohn Co. 2,714,600, Cl. 260—397.45.  
 Fonken, Gunther S., R. H. Levin, and A. V. McIntosh, Jr., to The Upjohn Co. 2,714,601, Cl. 260—397.45.  
 Font, Ramon, to Premier Research Laboratories Inc. 2,709,226, Cl. 310—9.3.  
 Fontaine, John P. K. 2,726,878, Cl. 280—434.  
 Fontaine, Pierre M. 2,702,187, Cl. 265—49.  
 Fontaine, Robert A., deceased, and F. M. and C. N. Steele; said F. M. and C. N. Steele assigns to said Fontaine, The First National Bank of Martinsville, Va., administrator. 2,710,696, Cl. 214—6.  
 Fontaine, Thomas D., and H. M. Doukas, to the United States of America as represented by the Secretary of Agriculture. 2,716,116, Cl. 260—239.55.  
 Fontana, Giovanni, to Buxton, Inc. 2,714,911, Cl. 150—3.  
 Fontein, Freerk J., to Stamicarbon N. V. 2,700,468, Cl. 209—211.  
 Fontein, Freerk J., to Stamicarbon N. V. 2,713,945, Cl. 209—172.5.  
 Fontein, Freerk J., to Stamicarbon N. V. 2,716,337, Cl. 73—54.  
 Fontein, Freerk J., to Stamicarbon N. V. 2,724,503, Cl. 209—211.  
 Fontein, Freerk J., to Stamicarbon N. V. 2,726,764, Cl. 209—172.5.  
 Food, Chemical and Research Laboratories, Inc.: *See*—  
   Morris, Daniel L. 2,700,672.  
 Food Concentrates, Inc.: *See*—  
   Northcutt, Robert T., Jr. 2,702,247.  
 Food Machinery and Chemical Corp.: *See*—  
   Belk, Wilber C. 2,713,434.  
   Blair, Joseph H., Jr. 2,717,548.  
   Carr, James P. 2,700,319.  
   Carr, James P. 2,701,940.  
   Carrigan, Tracy. 2,706,427.  
   Carter, Thomas A., Jr. 2,724,784.  
   Crewson, George G., and Ryan. 2,724,640.  
   Criger, Glenn M. 2,716,500.  
   Davies, Ben. 2,698,588.  
   De Back, William, and Puccinelli. 2,699,191.  
   Folkins, Hillis O., and Miller. 2,708,154.  
   Folkins, Hillis O., Miller, and Henning. 2,709,639.  
   Galloway, Robert K. 2,710,024.  
   Hait, James M. 2,702,112.  
   Hait, James M. 2,706,596.  
   Hammond, John A. S. 2,715,649.  
   Kelly, Walter W. 2,710,636.  
   Kerr, Charles E., and Galloway. 2,710,089.  
   Lazier, Wilbur A., and Bordenca. 2,710,825.  
   Les Veaux, John F. 2,715,562.  
   Les Veaux, John F., and Tidwell. 2,715,599.  
   Lindsay, Wesley N. 2,712,361.  
   Long, Earl. 2,718,739.  
   Olsen, John C. 2,704,096.  
   Orwoll, Edward F. 2,717,907.  
   Patterson, Joseph M. 2,710,229.  
   Reynolds, George A., Jr., and Holbrook. 2,720,721.  
   Robertson, James A., Miles, and Linton. 2,703,273.  
   Schaaf, Edward J., and Greedy. 2,716,321.  
   Stilwell, Robert E. 2,704,679.  
   Umhoefer, Robert R. 2,720,531.  
   Umhoefer, Robert R. 2,720,532.  
   Verrinder, Ernest A. 2,713,430.



Food Machinery and Chemical Corp.: *See*—Continued.

Verrinder, Ernest A., and Richards. 2,723,393.

Winnicki, Henry S. 2,708,620.

Winnicki, Henry S., and Roberts. 2,708,619.

Foody, Francis B.: *See*—

Rich, Theodore A., and Foody. 2,707,737.

Foot, Victor A. 2,721,896, Cl. 179—1.

Foot Bros. Gear & Machine Corp.: *See*—

Pohl, Walter H. 2,713,928.

Pohl, Walter M. 2,725,134.

Foot Mineral Co.: *See*—

Donahey, John W. 2,720,473.

Forano Limitee: *See*—

Boisvert, Jean-Baptiste. 2,707,884.

Forbes, Aubrey G., to A. V. Roe Canada Ltd. 2,716,313, Cl. 51—217.

Forbes, Gordon D., and R. C. Hilliard. 2,722,600, Cl. 250—20.

Forbes Lithograph Mfg. Co.: *See*—

Larkin, James L. 2,707,609.

Forbes, Richard C.: *See*—

Pickens, Roy A., and Forbes. 2,723,750.

Forbes, Robert P.: *See*—

Forbes, William A. 2,725,146.

Forbes, Thomas R. 2,713,841, Cl. 115—5.

Forbes, William A.,  $\frac{1}{2}$  to R. P. Forbes. 2,725,146, Cl. 210—203.

Force, Albert J., Jr. 2,728,338, Cl. 128—38.

Force, Gerald E. 2,715,267, Cl. 30—50.

Force-Flo, Inc.: *See*—

Jones, Harry E. 2,726,802.

Ford Alexander Corp., The: *See*—

Gieske, William R. 2,698,920.

Gieske, William R. 2,717,039.

Ford, Alfred, and J. W. Overbeke, to Superior Pipe Specialties Co. 2,715,419, Cl. 138—31.

Ford, Earl M., to Ford Motor Co. 2,711,633, Cl. 60—52.

Ford, Earl W.: *See*—

Koch, Joseph, and Ford. 2,709,359.

Ford, Edwin J., deceased; The Omaha National Bank, administrator. 2,722,982, Cl. 160—368.

Ford, Foster M. 2,716,323, Cl. 56—295.

Ford, Francis P.: *See*—

Newberg, Raymond G., Littmann, and Ford. 2,714,568.

Ford, Frank R., Ltd.: *See*—

Ford, Ronald M., and Butler. 2,699,114.

Ford, George W. 2,703,621, Cl. 166—60.

Ford, Gladys C. 2,710,638, Cl. 150—1.

Ford, Hannibal C., R. E. Crooke, and W. H. Newell, to The Sperry Corp. 2,702,667, Cl. 235—61.5.

Ford, Harold F., to "T. I. M." (Ticket-Issue Machines) Ltd. 2,698,572, Cl. 101—66.

Ford, Hugh: *See*—

Evans, Edgar C., Ford, and Moore. 2,727,933.

Evans, Edgar C., Ford, Moore, and Grootenhuys. 2,727,932.

Ford, James A., and R. E. Bell, to Kirsch, Co. 2,720,919, Cl. 160—126.

Ford, James G., to Westinghouse Electric Corp. 2,718,709, Cl. 34—9.

Ford, James G., and C. L. Denault, to Westinghouse Electric Corp. 2,717,219, Cl. 117—126.

Ford, John R., to Radio Corp. of America. 2,716,186, Cl. 246—63.

Ford, Ledger D., and R. E. Bell, to Kirsh Co. 2,705,566, Cl. 211—105.1.

Ford, Marion D.: *See*—

Novak, Leo J., and Ford. 2,728,342.

Ford Motor Co.: *See*—

Altgelt, Rudolph J. 2,701,510.

Altgelt, Rudolph J. 2,704,019.

Altgelt, Rudolph J., and Frevik. 2,727,453.

Altgelt, Rudolph J., and Lindgren. 2,712,279.

Bogart, Harold N., and Melmoth. 2,716,604.

Brock, Harold L. 2,698,543.

Bugbee, Charles W. 2,726,894.

Cahow, Theodore W., and Wilson. 2,712,276.

Dingman, Thomas C., and Cook. 2,708,959.

Dingman, Thomas C., and Cook. 2,720,775.

Dingman, Thomas C., and Jamieson. 2,723,146.

English, Herdis G. 2,701,531.

Ensign, Elbert E. 2,716,602.

Ensign, Elbert E., Van Patten, and Bleuenstein. 2,726,431.

Erickson, Martin A., and Thorwall. 2,719,401.

Erwin, Robert L. 2,701,538.

Findley, George W. 2,712,481.

Ford, Earl M. 2,711,633.

Freers, Sidney L., and McAfee. 2,706,020.

Frevik, Ralph C., and Sands. 2,708,865.

Frevik, Ralph C., Sewell, and Wilson. 2,701,733.

Galla, Stephen J. 2,724,143.

Garmager, Curt H. 2,722,873.

Geiger, Harold L. 2,716,501.

Harms, William J. 2,712,149.

Hauswirth, Vernon O. 2,701,517.

Hauswirth, Vernon O. 2,708,817.

Hauswirth, Vernon O., and Richey. 2,727,458.

Jandasek, Vladimir J. 2,712,285.

Kramer, Clarence F. 2,709,105.

Kramer, Clarence F. 2,712,359.

Kuhary, Emery E., and Sawyer. 2,711,679.

Kuhary, Emery E., and Sawyer. 2,712,358.

Kuhary, Emery E., and Sawyer. 2,722,988.

MacDonald, James L. 2,699,031.

Ford Motor Co.: *See*—Continued.

MacPherson, Earle S. 2,708,594.

MacPherson, Earle S. 2,716,461.

McGee, Donald J. 2,701,741.

McGee, Donald J. 2,722,794.

McNally, Harold T., Sewell, and Wilson. 2,722,879.

Mercer, Harold L. 2,723,931.

Miller, Raymond J. 2,701,728.

Miller, Raymond J. 2,716,324.

Morgan, Eric R. 2,726,952.

Muller, George H. 2,711,797.

Oster, Thomas H. 2,724,801.

Raught, Arthur V. 2,701,665.

Richards, Jesse W., and Pulleyblank. 2,719,749.

Richey, Clarence B. 2,701,508.

Richey, Clarence B. 2,701,568.

Richey, Clarence B. 2,704,213.

Richey, Clarence B. 2,722,875.

Richey, Clarence B., Witt, and Sawyer. 2,701,437.

Ringe, Frederick A. 2,726,552.

Rugg, Ormund E. 2,720,729.

Sawyer, Frederick D. 2,698,564.

Sawyer, Frederick D., and Kuhary. 2,699,362.

Sawyer, Frederick D., and Kuhary. 2,727,757.

Sawyer, Frederick D., and Witt. 2,701,438.

Sewell, Walter W., and Wilson. 2,712,389.

Spedding, Raymond T., and McGee. 2,722,798.

Stickney, George H. 2,722,804.

Tea, Clark A. 2,701,713.

Thomas, Charles W. 2,701,024.

Toth, John. 2,726,970.

Vennerholm, Gosta. 2,705,822.

Vennerholm, Gosta, and Van Patten. 2,711,953.

Vlaich, George. 2,698,567.

Wilson, Raymond W. 2,704,015.

Wilson, Raymond W. 2,704,016.

Wilson, Raymond W. 2,704,017.

Wilson, Raymond W. 2,704,020.

Wilson, Raymond W. 2,712,278.

Wilson, Raymond W. 2,716,502.

Wirt, Leslie S. 2,724,111.

Wise, Ralph H. 2,712,146.

Wise, Ralph H. 2,716,256.

Wise, Ralph H. 2,720,673.

Witt, Robert H. 2,711,931.

Wyeth, Nathaniel. 2,723,006.

Ford, Ronald M., and G. T. Butler, said Butler to F. R. Ford Ltd. 2,699,114, Cl. 101—132.5.

Ford, Ruth. 2,707,665, Cl. 312—279.

Ford, Thomas H., to Radio Corp. of America. 2,720,090, Cl. 62—129.

Ford, Tirey L., J. B. Shaw, A. C. Howell, Jr., J. E. Pfaff, and D. R. Rice, to Insul-8 Corp. 2,704,309, Cl. 191—35.

Ford, Walter D., to Pittsburgh Corning Corp. 2,703,486, Cl. 72—41.

Ford, Wayne B. 2,716,815, Cl. 32—32.

Ford, Wayne B. 2,717,445, Cl. 32—8.

Ford, William B., to Aro Equipment Corp. 2,719,446, Cl. 81—57.

Ford, William B., to Aro Equipment Corp. 2,719,447, Cl. 81—59.1.

Fordham, James W. L.: *See*—

Williams, Harry L., and Fordham. 2,724,708.

Fordyce, Rufus G., and C. J. Rugh, to Luminous Processes, Inc. 2,716,076, Cl. 117—112.

Fore, Bernard B. 2,715,676, Cl. 240—6.4.

Foree, Thomas A.: *See*—

Kinser, Arthur D., and Foree. 2,710,071.

Foreman, Charles S., to Cleaner Pipelines Co. 2,720,893, Cl. 138—89.

Foreman, Lonnie G., and L. Ozenne, to Northrop Aircraft, Inc. 2,705,375, Cl. 33—174.

Foremost Dairies, Inc.: *See*—

Reinhard, Robert N. 2,705,462.

Sharp, Paul F. 2,728,678.

Forest City Material Co.: *See*—

Weissman, Loran I. Re. 23,931.

Forges et Ateliers de Constructions Electriques de Jeumont: *See*—

Thibaudat, Albert. 2,706,758.

Thibaudat, Albert. 2,719,195.

Forgro Machinery Co. Ltd., The: *See*—

Brook, Leonard. 2,720,068.

Brook, Leonard. 2,720,069.

Harris, Richard A. 2,712,800.

Parker, George J. 2,717,689.

Russell, Alexander. 2,701,633.

Russell, Alexander, and Hopton. 2,721,077.

Forgue, Stanley V., to Radio Corp. of America. 2,710,813, Cl. 117—211.

Forgy, Robert H. 2,701,995, Cl. 97—78.

Foris, Julius Z. 2,724,762, Cl. 219—3.

Forman, Marion: *See*—

Zuckerman, Samuel G. 2,707,834.

Forman, Ronald T. M., to Power Jets (Research and Development) Ltd. 2,705,868, Cl. 60—39.72.

Formfit Co., The: *See*—

Hartman, Victor. 2,711,536.

Forming Machine Co. of America, Inc., The: *See*—

Simpson, Alvan D. 2,723,599.



- Formsprag Co.: *See*—  
 Szady, Leopold T. 2,705,066.  
 Szady, Leopold T. 2,707,038.  
 Szady, Leopold T. 2,711,238.  
 Szady, Leopold T. 2,715,262.
- Forney, Charles, to The Diamond Match Co. 2,702,058, Cl. 143—48.
- Forrellad, Jose T. 2,713,533, Cl. 346—81.
- Forrer, Homer W., to Atlanta Paper Co. 2,702,144, Cl. 220—111.
- Forrest, Frank R., to Allis-Chalmers Mfg. Co. 2,723,196, Cl. 92—7.
- Forrest, Sylvia. 2,706,993, Cl. 135—7.1.
- Forrester, James A.: *See*—  
 Sell, Wayne E., and Forrester. 2,721,945.
- Forrester, Robert E.: *See*—  
 Zand, Stephen J., and Forrester. 2,726,671.
- Forrester, William A., to International Staple and Machine Co. 2,703,402, Cl. 1—56.
- Fors, Carl I. 2,702,022, Cl. 120—96.
- Fors, Oscar A., to Steelograph, Inc. 2,716,548, Cl. 271—53.
- Forsberg, Arthur R. 2,718,307, Cl. 209—486.
- Forsberg, Harold S.: *See*—  
 Shore, William E. 2,703,716.
- Forsberg, Henry R.: *See*—  
 Brandt, Axel H., and Forsberg. 2,724,931.
- Forsberg, Katherine L.: *See*—  
 Brandt, Axel H., and Forsberg. 2,724,931.
- Forse Equipment Corp.: *See*—  
 Campbell, Rollin E. 2,728,152.
- Forse, Harry D. 2,710,390, Cl. 340—40.
- Forslund, Johan E.: *See*—  
 Arvidsson, Karl A. 2,704,160.
- Forss, Sven B.: *See*—  
 Diesen, Anton K., and Forss. 2,718,558.
- Forssell, Eric G., to W. H. Miner, Inc. 2,705,077, Cl. 213—32.
- Forssell, Eric G., to W. H. Miner, Inc. 2,710,749, Cl. 267—9.
- Forssell, Eric G., to W. H. Miner, Inc. 2,716,496, Cl. 213—34.
- Forssell, Eric G., to W. H. Miner, Inc. 2,727,472, Cl. 105—197.
- Forster, Eric O., to Esso Research and Engineering Co. 2,708,659, Cl. 252—39.
- Forster, Hans J. M., to Daimler-Benz Aktiengesellschaft. 2,707,405, Cl. 74—472.
- Forster, Hans J. M., to Daimler-Benz Aktiengesellschaft. 2,713,800, Cl. 74—472.
- Förster, Hans J. M., to Daimler-Benz Aktiengesellschaft. 2,716,359, Cl. 74—781.
- Forster, Henry A. R., to Albert Pemberton & Co. Ltd. 2,718,649, Cl. 12—66.
- Forster, Leslie G., to Forsters Machine Co. Ltd. 2,722,094, Cl. 53—125.
- Forster, Leslie G., to Forsters Machine Co. Ltd. 2,722,275, Cl. 164—68.
- Forster, Walter R.: *See*—  
 Bent, Arthur J., and Forster. 2,718,939.
- Forsters Machine Co. Ltd.: *See*—  
 Forster, Leslie G. 2,722,094.  
 Forster, Leslie G. 2,722,275.
- Forstrom, Edward E.: *See*—  
 O'Donnell, Henry L., Meehan, and Forstrom. 2,728,057.
- Forsyth Accessories Regd.: *See*—  
 Plante, Romeo. 2,714,331.
- Forsyth, George H. 2,711,899, Cl. 273—30.
- Forsythe, Charles E. 2,709,901, Cl. 64—7.
- Fort, Charles A., and B. A. Smith, to the United States of America as represented by the Secretary of Agriculture. 2,711,425, Cl. 260—527.
- Fort Dodge Laboratories, Inc.: *See*—  
 Edds, George T., and Bickal. 2,728,704.
- Fortenberry, William W. 2,700,567, Cl. 294—65.5.
- Fortess, Fred: *See*—  
 Duke, Marshall, Fortess, and Hohing. 2,727,860.
- Forthofer, Robert J., to The Emerson Electric Mfg. Co. 2,703,509, Cl. 89—37.5.
- Fort Howard Paper Co.: *See*—  
 Bowles, George W. 2,721,307.
- Fortier, André L. A., to Etavex S. A. 2,707,389, Cl. 73—37.5.
- Fortin, Charles A., to P. Pouliot. 2,701,563, Cl. 128—66.
- Fortin, Charles A., to Presto Lighters Ltd. 2,712,322, Cl. 137—318.
- Fortin, Charles A., 90% to P. Pouliot. 2,727,509, Cl. 128—66.
- Fortino, Frank. 2,701,140, Cl. 273—176.
- Fortuna, George N. 2,713,374, Cl. 152—412.
- Fortune, Ronald. 2,702,686, Cl. 251—335.
- Fort Wayne Corrugated Paper Co.: *See*—  
 Crawford, James H. 2,702,662.  
 Props, George P. 2,714,482.
- Forty, Albert J., and A. F. Whillock, to Hall Telephone Accessories Ltd. 2,714,440, Cl. 198—34.
- Forwald, Haakon, to Allmänna Svenska Elektriska Aktiebolaget. 2,709,737, Cl. 200—148.
- Forwald, Haakon, to Allmänna Svenska Elektriska Aktiebolaget. 2,712,428, Cl. 251—63.
- Forwald, Haakon, to Allmänna Svenska Elektriska Aktiebolaget. 2,724,751, Cl. 200—82.
- Forward, Frank A., and V. N. Mackiw, to Sherritt Gordon Mines Ltd. 2,726,934, Cl. 23—190.
- Forward, Frank A., and J. Halpern, to National Research Council. 2,727,806, Cl. 23—14.5.
- Fosdick Machine Tool Co., The: *See*—  
 Knosp, Robert N., Linden, and Wetzel. 2,699,078.  
 Knosp, Robert N., Linden, and Wetzel. 2,722,853.
- Foss, Burdette W., to Tokheim Corp. 2,712,884, Cl. 222—2.
- Foss, Burdette W., and S. L. Hunter, to Ossian Engineering Co., Inc. 2,699,884, Cl. 222—75.
- Foss, Curtis D. 2,718,327, Cl. 220—46.
- Fossan, Kåre R.: *See*—  
 Wetterholm, Gustav A., and Fossan. 2,702,824.
- Fost, Ralph N.: *See*—  
 Berry, John R., and Fost. 2,718,266.
- Foster, Boutwell H., to United States Rubber Co. Re. 24,007, Cl. 28—72.
- Foster, Charles C., to Kropp Forge Co. 2,711,659, Cl. 78—60.
- Foster, Edwin E., to Majik-Ironers, Inc. Re. 23,974, Cl. 267—1.
- Foster, Edwin E., ½ to D. O. Scott. 2,725,868, Cl. 124—13.
- Foster Engineering Corp., The: *See*—  
 Foster, Shubel A. 2,713,207.
- Foster, Frank B.: *See*—  
 Freund, Herman R., and Foster. 2,708,506.
- Foster, Frank M.: *See*—  
 Clutter, Carl E., Dugle, Field, and Foster. 2,723,507.
- Foster, George E. 2,710,397, Cl. 340—347.
- Foster, George E. 2,724,820, Cl. 340—184.
- Foster Grant Co., Inc.: *See*—  
 Foster, Joseph C. 2,713,947.  
 Foster, Joseph C. 2,720,305.
- Foster, Harry G. 2,701,402, Cl. 24—239.
- Foster, James H., to Erie Resistor Corp. 2,717,356, Cl. 323—74.
- Foster, James L., to U. S. Slicing Machine Co., Inc. 2,698,638, Cl. 146—102.
- Foster, John S., to the United States of America as represented by the Secretary of the Navy. 2,702,858, Cl. 250—33.65.
- Foster, John S., Jr.: *See*—  
 Lawrence, Ernest O., and Foster. 2,726,805.
- Foster, John W., Jr., to Tingle, Brown & Co. 2,727,463, Cl. 101—415.1.
- Foster, Joseph C., to Foster Grant Co., Inc. 2,713,947, Cl. 211—13.
- Foster, Joseph C., to Foster Grant Co., Inc. 2,720,305, Cl. 206—5.
- Foster Machine Co.: *See*—  
 Dodge, Ernest P. 2,712,906.
- Foster Metal Products Inc.: *See*—  
 Boots, William C. 2,723,429.
- Foster, Morris H. 2,702,991, Cl. 62—108.5.
- Foster, Orrington C., to Bell Telephone Laboratories, Inc. 2,716,622, Cl. 117—201.
- Foster, Robert L., to Sinclair Refining Co. 2,721,210, Cl. 260—513.
- Foster, Shubel A., to The Foster Engineering Corp. 2,713,207, Cl. 33—147.
- Foster, Wade H. 2,708,436, Cl. 126—378.
- Foster Wheeler Corp.: *See*—  
 Bayard, Julius H. 2,707,457.  
 Bliss, Charles. 2,723,651.  
 Frisch, Martin. 2,700,376.  
 Hayden, Robert L. J. 2,707,458.  
 Taylor, Anthony J. 2,713,330.
- Foster, William G.: *See*—  
 Johnson, Benjamin E., and Foster. 2,704,785.
- Foster, William J., to General Motors Corp. 2,700,327, Cl. 93—1.
- Foster, William J., and J. R. Gretzinger, to General Motors Corp. 2,709,950, Cl. 93—1.
- Foster, William M.: *See*—  
 Novick, Abraham, and Foster. 2,720,830.
- Foster, Willis R., and H. K. Wethe, to Solar Corp. 2,699,849, Cl. 192—3.2.
- Foti, Arem, to I-T-E Circuit Breaker Co. 2,699,482, Cl. 200—162.
- Foti, Arem, to I-T-E Circuit Breaker Co. 2,702,323, Cl. 200—48.
- Fotsch, Arthur H., to Kearney & Trecker Corp. 2,699,708, Cl. 90—59.
- Fouch, Curtis F.: *See*—  
 Culbertson, Russel P., and Fouch. 2,700,091.
- Foucry, Jean X., and R. F. Steinmetz, to Lubri-Case Inc. 2,707,159, Cl. 148—6.11.
- Foudy, John J.: *See*—  
 Albright, Merritt W., and Foudy. 2,717,338.
- Fougera, E., & Co., Inc.: *See*—  
 Halpern, Alfred, and Bradney. 2,698,822.
- Foult, Theodore: *See*—  
 Miller, Louis P., and Foult. 2,712,744.
- Foundation Co. of Canada Ltd., The: *See*—  
 Lea, Norman D. 2,709,363.
- Fouquet, Eugène. 2,720,062, Cl. 51—165.
- Fouré, Claude: *See*—  
 Reingold, Lucien, and Fouré. 2,716,863.
- Fourrestier, Max, A. J. Gladu, and J. C. Vulmière, to Centre National de la Recherche Scientifique. 2,699,770, Cl. 128—6.
- Fournet, André: *See*—  
 Mosnier, Michel M., and Fournet. Re. 24,036.
- Four-Way Awning Co.: *See*—  
 McCormack, John C., and White. 2,699,812.
- Foushee, Clarence L., Jr., to The Ryan Aeronautical Co. 2,706,649, Cl. 285—129.
- Fowerbaugh, Clarence C.: *See*—  
 Kalin, Albert. Re. 23,994.
- Fowkes, Frederick M.: *See*—  
 Talley, Samuel K., Fowkes, and Cattaneo. 2,715,107.
- Fowler, Alvah W. 2,702,978, Cl. 56—26.5.
- Fowler, Davis. 2,705,031, Cl. 144—133.



- Fowler, Francis R., to General Electric Co. 2,728,233, Cl. 74—5.41.  
 Fowler, George B. 2,719,462, Cl. 92—25.  
 Fowler, Gertrude M. J., and D. H. Worthing. 2,720,653, Cl. 2—41.  
 Fowler, Henry J., and H. B. Wenberg, to Nicolet Paper Corp. 2,724,363, Cl. 118—246.  
 Fowler, John: *See*—  
   Diggle, Harold, and Fowler. 2,720,565.  
 Fowler, Leslie L., to Barnes Drill Co. 2,720,974, Cl. 210—1.5.  
 Fowler, Ralph L., to Superior Tank & Construction Co. 2,724,597, Cl. 280—5.  
 Fowler, Roland G., N. R. Frieberg, and O. F. Larsen, to The National Cash Register Co. 2,728,526, Cl. 235—62.  
 Fowler, Roy E. 2,707,576, Cl. 221—184.  
 Fowler, William F., Jr., D. R. Spear, and L. K. Tong, to Eastman Kodak Co. 2,713,539, Cl. 92—3.  
 Fowler, William F., Jr., and D. D. Reynolds, to Eastman Kodak Co. 2,721,852, Cl. 260—29.6.  
 Fox, Abraham L., to R. S. Dean. 2,701,104, Cl. 241—3.  
 Fox, Arthur G., to Bell Telephone Laboratories, Inc. 2,701,342, Cl. 333—10.  
 Fox, Benjamin, to the United States of America as represented by the Secretary of War. 2,706,290, Cl. 343—112.  
 Fox, Bernard N. and R., and A. Onesto, to F & F Laboratories, Inc. 2,705,857, Cl. 53—6.  
 Fox, Carl N.: *See*—  
   Fox, Reed F. and C. N. 2,719,624.  
 Fox, George G. 2,709,612, Cl. 292—300.  
 Fox, George J. 2,703,461, Cl. 36—34.  
 Fox, Gerald B., and D. B. Dickhart, to The Hobart Mfg. Co. 2,714,038, Cl. 299—68.  
 Fox, Harold K.: *See*—  
   Kindseth, Harold V., and Fox. 2,718,201.  
 Fox, Harold K., to Bemis Bro. Bag Co. 2,715,004, Cl. 248—101.  
 Fox, Harry D., to F. L. Jacobs Co. 2,723,155, Cl. 296—44.  
 Fox, Henry C. 2,726,801, Cl. 226—125.  
 Fox, Herman H., to Hoffmann-La Roche Inc. Re. 23,947, Cl. 167—65.  
 Fox, Herman H., to Hoffmann-La Roche Inc. 2,703,322, Cl. 260—295.  
 Fox, Herman H., to Hoffmann-La Roche Inc. 2,713,052, Cl. 260—295.  
 Fox, Homer M., to Phillips Petroleum Co. 2,698,541, Cl. 74—2.  
 Fox, Homer M., to Phillips Petroleum Co. 2,712,726, Cl. 60—35.4.  
 Fox, Homer M., and S. C. Britton, to Phillips Petroleum Co. 2,712,497, Cl. 52—0.5.  
 Fox, John A.: *See*—  
   Leuthesser, Fred W., Jr., and Fox. 2,713,314.  
 Fox, John E., to Monsanto Chemical Co. 2,722,537, Cl. 260—396.  
 Fox, John H., to Minneapolis-Honeywell Regulator Co. 2,704,547, Cl. 137—219.  
 Fox, Leonard P., to Radio Corp. of America. 2,720,493, Cl. 252—301.6.  
 Fox, Louis T., Sr. 2,722,223, Cl. 132—45.  
 Fox, Martin, to The Seng Co. 2,701,373, Cl. 5—47.  
 Fox, Martin, to The Seng Co. 2,727,250, Cl. 5—13.  
 Fox, Milton R.: *See*—  
   Clark, Everett O., and Fox. 2,728,194.  
 Fox Products Co.: *See*—  
   Godshalk, James B., Anton, and Rezek. 2,715,710.  
   Godshalk, James B., and Lowry. 2,710,937.  
   Lowry, Emory S., Anton, and Godshalk. 2,710,936.  
   Medlar, Lewis A. 2,721,993.  
 Fox, Raymond E. 2,712,450, Cl. 280—1.181.  
 Fox, Reed F. and C. N. 2,719,624, Cl. 198—33.  
 Fox, Richard D., to Fruit Machinery Co. 2,705,036, Cl. 146—28.  
 Fox, Richard D., and E. R. McClelland, to Fruit Machinery Co. 2,705,037, Cl. 146—28.  
 Fox, Richard E. 2,728,492, Cl. 222—177.  
 Fox, Robert: *See*—  
   Fox, Bernard N. and R., and Onesto. 2,705,857.  
 Fox, Robert G. 2,722,342, Cl. 222—5.  
 Fox, Robert L. 2,727,557, Cl. 153—48.  
 Fox, Samuel S., to the United States of America as represented by the Secretary of the Air Force. 2,724,239, Cl. 60—39.28.  
 Fox, Sidney W., and M. W. Bullock, to Iowa State College Research Foundation, Inc. 2,701,250, Cl. 260—319.  
 Fox, Sidney W., and M. W. Bullock, to Iowa State College Research Foundation, Inc. 2,701,251, Cl. 260—319.  
 Fox, Wells and Co.: *See*—  
   Bosch, Carl. 2,717,840.  
 Fox, William J., to The Dorr Co. 2,714,954, Cl. 209—18.  
 Fox, William W.: *See*—  
   Luna, Herbert T., and Fox. 2,706,567.  
 Foxboro Co., The: *See*—  
   Bowditch, Hoel L. 2,707,092.  
   Bowditch, Hoel L. 2,711,187.  
   Bowditch, Hoel L. 2,717,820.  
   Bowditch, Hoel L. 2,727,802.  
   Cook, Lyman, and Howe. 2,718,232.  
   Ehrisman, Henry O. 2,724,903.  
   Howe, Wilfred H. 2,718,620.  
   Howe, Wilfred H., and Cushman. 2,706,799.  
   Meyer, Robert V. 2,709,751.  
   Swift, Willard E., and Gardner. 2,717,516.  
   Whittier, Ellerton W. 2,718,619.  
   Young, Claude D. 2,703,018.  
 Foxon, Henry J., and A. B. Sowter, to The General Electric Co. Ltd. 2,701,483, Cl. 29—470.1.  
 Foy, Norman F. 2,702,541, Cl. 128—33.  
 Frabill Mfg. Co.: *See*—  
   Matras, Frank D. 2,708,538.  
   Matras, Frank D. 2,719,381.  
 Fraenkel, Helena N.: *See*—  
   Nettscher, Arend F., and Fraenkel. 2,725,736.  
 Fragen, Nathan, and M. C. Hopkins, to The American Oil Co. 2,727,077, Cl. 260—668.  
 Fragola, Caesar F., and O. Kolb, to The Sperry Corp. 2,700,898, Cl. 73—178.  
 Fralish, Howard J., and G. P. McGraw, Jr., to Western Electric Co., Inc. 2,727,297, Cl. 29—25.42.  
 Fram Corp.: *See*—  
   Hockett, Carl G. 2,709,476.  
   James, William S. 2,713,422.  
   James, William S. 2,720,279.  
   Robinson, John W. 2,701,062.  
 Frame, Gordon F.: *See*—  
   Yutzy, Henry C., and Frame. 2,728,662.  
 Framhein, Herbert J., to The Yale & Towne Mfg. Co. 2,704,167, Cl. 214—653.  
 Framhein, Herbert J., to The Yale & Towne Mfg. Co. 2,713,918, Cl. 180—52.  
 Frampton, Stanley E.: *See*—  
   Elliott, Harold E., and Frampton. 2,726,610.  
 Francar, Gordon J. 2,717,617, Cl. 144—309.  
 France, Lloyd V. 2,723,402, Cl. 6—2.  
 Franceschetti, Alessandro, to S. A. G. A. Società Applicazioni Gomma Antivibranti. 2,702,703, Cl. 267—63.  
 Franceschini, Lorenzo, to Officine Galileo Società per Azioni. 2,699,187, Cl. 139—233.  
 Francey, William J.: *See*—  
   Clark, Edgar R., Francey, and Hamlin. 2,705,221.  
 Francis, Alex W., Jr.: *See*—  
   Walker, Jay P., Glasgow, and Francis. 2,713,919.  
 Francis, Billy G., to The Atlantic Refining Co. 2,714,547, Cl. 346—33.  
 Francis, Carleton S., Jr., to Lamitex Products, Inc. 2,699,396, Cl. 99—174.  
 Francis, Charles B. 2,705,193, Cl. 48—215.  
 Francis, Charles B., to Loftus Engineering Corp. 2,717,657, Cl. 183—23.  
 Francis, Charles B., and E. Lynch, to United States Steel Corp. 2,709,143, Cl. 134—13.  
 Francis, Charles E.: *See*—  
   Reichert, Paul P., and Francis. 2,705,418.  
 Francis, Charles E. 2,710,963, Cl. 1—46.  
 Francis, Charles E., to Shell Development Co. 2,715,108, Cl. 252—51.5.  
 Francis, Elliott S., and R. R. Shoemaker, to Gulf Research & Development Co. 2,718,502, Cl. 252—49.9.  
 Francis, Gerald T., and J. G. Francis, Jr., to Thomas Steel Forms, Inc. 2,707,814, Cl. 25—130.  
 Francis, H. Theodore: *See*—  
   Francis, Hilmer T. 2,725,602.  
 Francis, Harold E.: *See*—  
   Daniels, Leonard G., and Francis. 2,725,265.  
 Francis, Hilmer T.,  $\frac{1}{3}$  to V. T. Francis, and  $\frac{1}{3}$  to H. T. Francis. 2,725,602, Cl. 20—2.  
 Francis, John G., Jr.: *See*—  
   Francis, Gerald T. and J. G. 2,707,814.  
 Francis, John K., to Sackner Products, Inc. 2,722,861, Cl. 87—1.  
 Francis, Joseph N., to Standard Coin Wrappers, Inc. 2,728,507, Cl. 226—14.  
 Francis, Kenneth G., and J. W. McIntire, to The Dow Chemical Co. 2,717,424, Cl. 18—47.5.  
 Francis, Lynn M. 2,710,768, Cl. 296—1.  
 Francis, Paul R., to Alloy Steel and Metals Co. 2,716,824, Cl. 37—147.  
 Francis, Vernon T.: *See*—  
   Francis, Hilmer T. 2,725,602.  
 Francis, William B., Jr., and F. W. Arnold, Jr. 2,721,434, Cl. 56—25.4.  
 Francisco, William, Jr.: *See*—  
   De Feo, Angelo, and Francisco. 2,721,640.  
 Franck, George E., to The Imperial Brass Mfg. Co. 2,702,065, Cl. 153—40.  
 Franck, George E., to The Imperial Brass Mfg. Co. 2,707,511, Cl. 153—79.  
 Franck, George E., to The Imperial Brass Mfg. Co. 2,709,474, Cl. 153—79.  
 Franck, George E., to The Imperial Brass Mfg. Co. 2,714,868, Cl. 116—117.  
 Franck, George E., to The Imperial Brass Mfg. Co. 2,723,624, Cl. 103—153.  
 Franck, George E., to The Imperial Brass Mfg. Co. 2,727,559, Cl. 153—81.  
 Franck, Kurt, to Holophane Co., Inc. 2,721,931, Cl. 240—106.  
 Francken, Jan C., to Hartford National Bank and Trust Co., trustee. 2,727,182, Cl. 315—10.  
 Francois, Guy L., to McDonnell Aircraft Corp. 2,720,754, Cl. 60—39.72.  
 Francois, Maurice, to Etablissements Collins & Tournadre. 2,722,301, Cl. 192—82.  
 Francois, Robert E., to the United States of America as represented by the Secretary of the Navy. 2,721,971, Cl. 324—20.  
 Frangquist, Gustav H., to Combustion Engineering, Inc. 2,706,087, Cl. 241—86.  
 Frank, Benjamin E. 2,707,221, Cl. 200—168.



- Frank, Bernard E., and J. W. Armstrong, to General Motors Corp. 2,709,000, Cl. 203—227.
- Frank, Bernard E., and F. C. Cummings, to General Motors Corp. 2,711,204, Cl. 153—2.
- Frank, George L.: *See—*  
Bruce, John K., and Frank. 2,714,481.
- Frank, Gerard A., and J. J. Fry, to Western Electric Co., Inc. 2,715,991, Cl. 226—96.
- Frank, Guillaume: *See—*  
Menne, Wilhelm J. 2,719,765.
- Frank, Joseph C.: *See—*  
Amos, James L., Frank, and Stober. 2,714,101.
- Frank, Joseph J. 2,709,255, Cl. 1—215.
- Frank, Joseph J., and J. C. Macy, to Hercules Fasteners, Inc. 2,726,701, Cl. 153—1.
- Frank, Max. 2,723,451, Cl. 30—16.
- Frank, Paul A., and W. L. Rhodes, to W. L. Tenney. 2,710,524, Cl. 60—39.14.
- Frank, Robert L., to Ringwood Chemical Corp. 2,708,661, Cl. 260—25.
- Frank, Sidney M., and M. J. Barry, to The M. W. Kellogg Co. 2,706,708, Cl. 202—46.
- Frank, Stanley J.: *See—*  
Murphy, Harold P., and Frank. 2,728,439.
- Frank, Stanley L., to Westinghouse Electric Corp. 2,722,573, Cl. 200—5.
- Frank, Wallace E., H. P. Schick, and G. J. Kreier, Jr., to W. K. Kellogg Foundation. 2,720,136, Cl. 88—24.
- Frank, William H., and G. Farnsworth, to Bulldog Electric Products Co. 2,700,706, Cl. 191—28.
- Frank, William R., to John Deere Killefer Co. 2,725,812, Cl. 97—217.
- Franke, Antoine A.: *See—*  
Stevenson, Peter C., Franke, Borg, and Nervik. 2,714,555.
- Franke, Harry D.: *See—*  
Sprouse, Verner E., and Franke. 2,700,580.
- Franke & Heidecke Fabrik Photographischer Prazisions-Apparate: *See—*  
Heidecke, Reinhold. 2,714,844.  
Weiss, Richard. 2,728,282.
- Franke, Robert H., and H. D. Murray, to Ozalid Co. Ltd. 2,720,467, Cl. 117—34.
- Frankel, Adolf, to The English Electric Co. Ltd. 2,711,071, Cl. 60—39.14.
- Frankel, Burton L., L. Loiterman, and J. Hicken, to Link Aviation, Inc. 2,709,308, Cl. 35—10.2.
- Frankel, Edward M. 2,698,825, Cl. 195—4.
- Frankel, Harry: *See—*  
Moskovitz, Milton A. 2,707,645.  
Moskovitz, Milton A. 2,711,919.
- Frankel, Hugh, and H. Finkel. 2,706,429, Cl. 88—31.
- Frankel, Jack. 2,721,685, Cl. 227—32.
- Frankel, Samuel R., to American Safety Table Co., Inc. 2,706,587, Cl. 223—2.
- Frankel, Stanley P.: *See—*  
Oppenheimer, J. Robert, Frankel, and Nelson. 2,719,924.
- Frankel, Stanley P., to the United States of America as represented by the United States Atomic Energy Commission. 2,724,058, Cl. 250—41.9.
- Frankel, Theodor, to Stromberg-Carlson Co. 2,713,654, Cl. 317—152.
- Frankenburg, Walter G., to General Cigar Co., Inc. 2,706,695, Cl. 131—17.
- Franklin, Anne F.: *See—*  
Franklin, Donald R. L. and A. F. 2,716,327.
- Franklin, Charles B. 2,723,105, Cl. 254—190.
- Franklin, Charles J. 2,728,160, Cl. 43—42.28.
- Franklin, Donald R. L. and A. F. 2,716,327, Cl. 58—57.
- Franklin, Edmond G., to General Mills, Inc. 2,716,172, Cl. 200—137.
- Franklin, Edmond G., to General Mills, Inc. 2,716,175, Cl. 200—138.
- Franklin, Edmond G., to General Mills, Inc. 2,716,176, Cl. 200—139.
- Franklin, Edmond G., to General Mills, Inc. 2,716,682, Cl. 200—138.
- Franklin, Edmond G., and C.-K. Tsai, to General Mills Inc. 2,716,174, Cl. 200—138.
- Franklin, Edna M. 2,716,817, Cl. 33—15.
- Franklin, Ernest M., to Hercules Powder Co. 2,719,325, Cl. 18—12.
- Franklin, Milton N. 2,721,250, Cl. 219—14.
- Franklin, Noel W. 2,701,080, Cl. 222—185.
- Franklin, Richard C.: *See—*  
Waldron, William R., and Franklin. 2,728,788.
- Franklin Transformer Mfg. Co.: *See—*  
Pfleider, Ronald E. 2,724,906.
- Franks Dredging Co.: *See—*  
Chatten, Meredith W. 2,717,800.
- Franks, Edward E., Jr.: *See—*  
Sampatacos, Peter M., and Franks. 2,712,835.
- Franks Mfg. Corp.: *See—*  
Wilkinson, Alvin H. 2,705,059.
- Franks, Norvin H. 2,701,174, Cl. 312—263.
- Franseen, Richard C.: *See—*  
Michener, Elliott W., and Franseen. 2,715,089.
- Fransson, Georg L., and G. A. L. Winqvist, to Aktiebolaget Galco. 2,718,413, Cl. 282—8.
- Frant, Martin S.: *See—*  
Shibe, William J., Jr., Cohen, and Frant. 2,725,326.
- Frantellizzi, Biagio. 2,714,421, Cl. 161—1.
- Frantz Mfg. Co.: *See—*  
Wolf, Cecil R. 2,702,082.  
Wolf, Cecil R., Holland, and Seidel. 2,708,478.  
Wolf, Cecil R., and Seidel. 2,703,247.
- Frantz, Virgil L. 2,705,020, Cl. 137—620.
- Frantz, Walter A., to Tinnerman Products, Inc. 2,726,888, Cl. 287—53.
- Frantz, Walter J., to Radio Corp. of America. 2,712,062, Cl. 250—20.
- Frantz, Wilbert P., to Sperry Rand Corp. 2,728,908, Cl. 343—103.
- Frantz, Arvel O., to Olin Mathieson Chemical Corp. 2,708,623, Cl. 52—4.
- Frantz, Erwin E., to Western Electric Co., Inc. 2,698,461, Cl. 18—36.
- Franz, Erwin E., to Western Electric Co., Inc. 2,712,916, Cl. 248—68.
- Franz, Erwin E., to Western Electric Co., Inc. 2,723,383, Cl. 339—176.
- Franz, Ethan W. P.,  $\frac{1}{2}$  to R. R. Young, and  $\frac{1}{2}$  to G. H. Mey-farth, Jr. 2,725,975, Cl. 198—196.
- Franz, Frederick. 2,715,841, Cl. 74—191.
- Franz, Henry H.: *See—*  
Gravenhorst, Gordon P., Franz, Snow, and Black. 2,725,791.
- Fraser, Donald, to National Research Council. 2,724,106, Cl. 340—234.
- Fraser, Elaine J. 2,715,983, Cl. 223—42.
- Fraser, John, to Avery-Hardoll Ltd. 2,704,619, Cl. 222—20.
- Fraser, Kenneth S. 2,714,463, Cl. 214—620.
- Fraser, Robert, to The Sperry Corp. 2,703,380, Cl. 318—30.
- Fraser, Theodore H.: *See—*  
Togstad, Erling G. 2,725,750.
- Fraser, Wilson P., to Protect-Al Co. 2,722,386, Cl. 241—51.
- Fraser, Wilson P., to Bit Guides, Inc. 2,723,836, Cl. 255—72.
- Frauenberger, Ernest H. 2,704,011, Cl. 90—11.
- Fravel, William H. F., to Hercules Powder Co. 2,716,669, Cl. 260—772.
- Fray, Victor H. 2,713,175, Cl. 10—72.
- Fray, Victor H. 2,727,255, Cl. 10—4.
- Frayne, John G., to Westrex Corp. 2,727,097, Cl. 179—100.2.
- Frazee, Leonard A., and D. H. Elder. 2,708,318, Cl. 34—8.
- Frazier, David: *See—*  
Jones, Arthur L., Seelbach, Frazier. 2,720,975.
- Frazier, David, to The Standard Oil Co. 2,706,176, Cl. 252—33.6.
- Frazier, Larry C., to The Goodyear Tire & Rubber Co. 2,715,931, Cl. 154—9.
- Frazier, Larry C., to The Goodyear Tire & Rubber Co. 2,715,932, Cl. 154—9.
- Frazier, Larry C., to The Goodyear Tire & Rubber Co. 2,715,933, Cl. 154—9.
- Frazier, Quentin, and J. M. Brady, to the United States of America as represented by the Secretary of the Army. 2,710,218, Cl. 294—83.
- Frazier, Radford K., and R. P. Bennett, to Bendix Aviation Corp. 2,702,609, Cl. 188—69.
- Frazier Tandem Systems, Inc.: *See—*  
Frazier, Van L. 2,714,014.
- Frazier, Van L., to Frazier Tandem Systems, Inc. 2,714,014, Cl. 280—104.5.
- Frear, Jenness B., to Watkins Patents, Inc. 2,708,462, Cl. 140—93.
- Frech, Walter E. 2,715,405, Cl. 134—82.
- Fredd, John V., to Otis Pressure Control, Inc. 2,708,316, Cl. 33—178.
- Fredenburgh, Mark N.: *See—*  
Nelson, Herbert, and Fredenburgh. 2,726,178.
- Fredenburgh, Mark N., to Radio Corp. of America. 2,719,786, Cl. 75—207.
- Fredendall, Gordon L., to Radio Corp. of America. 2,711,516, Cl. 333—75.
- Fredendall, Gordon L., to Radio Corp. of America. 2,714,132, Cl. 178—69.5.
- Frederick, Edward R., to the United States of America as represented by the Secretary of the Army. 2,713,547, Cl. 117—4.
- Frederick, Edward R., to the United States of America as represented by the Secretary of the Army. 2,714,561, Cl. 117—55.
- Frederick, Edward R., to the United States of America as represented by the Secretary of the Army. 2,715,086, Cl. 154—44.
- Frederick, Edward R., and M. C. Jaskowski, to the United States of America as represented by the Secretary of the Army. 2,714,767, Cl. 34—2.
- Frederick, Ilse B.: *See—*  
Yost, John F., and Frederick. 2,701,391.
- Frederick, John A., to The Fafnir Bearing Co. 2,719,046, Cl. 287—52.09.
- Frederick, Joseph E., to General Aniline & Film Corp. 2,709,655, Cl. 95—8.
- Frederick, Leonard F.: *See—*  
Fechheimer, Paul R., Boing, and Frederick. 2,725,138.
- Frederick, Marvin R., to The B. F. Goodrich Co. 2,709,181, Cl. 260—653.
- Frederick, Marvin R., to The B. F. Goodrich Co. 2,724,004, Cl. 260—653.
- Frederick, Ralph A. 2,726,014, Cl. 222—92.
- Fredericks, Robert E.: *See—*  
Bamford, John W., Fredericks, and Kees. 2,718,149.
- Frederickson, Robert E. 2,714,330, Cl. 88—24.



- Frederik, Willem S. 2,702,950, Cl. 35—22.  
 Frederiksen, Robert O. 2,726,636, Cl. 119—72.5.  
 Fredrick, Arden H., to the United States of America as represented by the Secretary of the Navy. 2,701,841, Cl. 250—27.  
 Fredrick, Arden H., to General Precision Laboratory Inc. 2,702,880, Cl. 321—18.  
 Fredrickson, Ralph S., to McGraw Electric Co. 2,710,895, Cl. 200—89.  
 Fredrickson, Robert I., to Chicago Metallic Mfg. Co. 2,704,470, Cl. 78—46.  
 Freeark, Thelma W. 2,706,070, Cl. 223—1.  
 Freeborn, Albert G. 2,727,859, Cl. 204—305.  
 Freed, Olaf E.: *See—*  
   Mulvanity, Ralph T., Freed, and Sabaroff. 2,707,528.  
 Freedland, Jack J. 2,702,032, Cl. 128—136.  
 Freedland, Jack J. 2,708,931, Cl. 128—136.  
 Freedman, Hyman. 2,720,702, Cl. 32—69.  
 Freedman, Jerome, and J. Feldhorn. 2,704,115, Cl. 155—117.  
 Freedman, Norman S., and H. Rosenthal, to Radio Corp. of America. 2,711,690, Cl. 101—129.  
 Freedman, Ruth. 2,711,202, Cl. 150—28.  
 Freedman, Murray, to Artistic Foundations, Inc. 2,725,562, Cl. 2—42.  
 Freedman, Olin E.: *See—*  
   Botthof, Charles L., Schultz, and Freedman. 2,719,481.  
 Freehafer, John E., to General Railway Signal Co. 2,721,258, Cl. 246—182.  
 Freeland, John W. 2,702,787, Cl. 252—8.5.  
 Freeland-Upshall, Ernest: *See—*  
   Morley, Frederick W. W., and Freeland-Upshall. 2,712,727.  
 Freeman, Alfred, ½ to Richard Gent Ltd. 2,716,533, Cl. 248—221.  
 Freeman, Claud W. 2,706,225, Cl. 200—51.02.  
 Freeman, David A., to G. H. Bishop Co. 2,726,913, Cl. 312—213.  
 Freeman, Erle D., deceased (O. Freeman, also known as Olive Freeman Hannun, administratrix). 2,719,647, Cl. 220—53.  
 Freeman, George A., to Westinghouse Electric Corp. 2,718,771, Cl. 67—31.  
 Freeman, George S. P., to Cinema-Television Ltd. 2,726,352, Cl. 315—11.  
 Freeman, Grace P.: *See—*  
   Hemminger, Paul W., and Freeman. 2,724,323.  
 Freeman, Holland H.: *See—*  
   Boyden, Robert E., and Freeman. 2,724,328.  
 Freeman, Horace. 2,726,950, Cl. 75—5.  
 Freeman, Howard G., to Rockwood Sprinkler Co. 2,698,664, Cl. 169—25.  
 Freeman, Howard G., to Rockwood Sprinkler Co. 2,698,665, Cl. 169—25.  
 Freeman, John M.: *See—*  
   Freeman, Percy F., Jr., and J. M. 2,720,073.  
 Freeman Mfg. Co.: *See—*  
   Geimer, Cornelius J. 2,698,939.  
 Freeman, Olive: *See—*  
   Freeman, Erle D. 2,719,647.  
 Freeman, Percy F., Jr., and J. M. 2,720,073, Cl. 56—341.  
 Freeman, Walter: *See—*  
   Leary, Michael. 2,709,097.  
 Freeman, William A., Jr., and J. M. Camp, to Esso Research and Engineering Co. 2,708,102, Cl. 255—61.  
 Freeman, William P., Jr., to John E. Mitchell Co. 2,710,455, Cl. 34—54.  
 Freeman, William S. 2,704,100, Cl. 150—8.  
 Freeman, William S. 2,714,910, Cl. 150—2.1.  
 Freeport Sulphur Co.: *See—*  
   Chatelain, John B. 2,706,675.  
 Freer, Clyde P., to Halsey W. Taylor Co. 2,704,656, Cl. 257—190.  
 Freer, Clyde P., to Halsey W. Taylor Co. 2,721,061, Cl. 257—242.  
 Freer, Thomas R.: *See—*  
   Andrews, John S., and Freer. 2,710,809.  
 Freers, Sidney L., and W. H. McAfee, to Ford Motor Co. 2,706,020, Cl. 188—152.  
 Freese, Gerald J.: *See—*  
   Reichert, Howard E., and Freese. 2,727,966.  
 Freese, Paul S. 2,709,818, Cl. 5—332.  
 Fregeolle, Oscar: *See—*  
   Jenard, Leonard J., and Fregeolle. 2,721,464.  
 Frei, Arthur J., to General Motors Corp. 2,714,294, Cl. 62—108.5.  
 Freid, Florence F. 2,699,550, Cl. 2—2.  
 Freid, Florence F. 2,701,369, Cl. 2—323.  
 Fremon, Jules A. 2,724,391, Cl. 133—4.  
 French, Alfred G.: *See—*  
   O'Connor, Bernard E., and French. 2,724,339.  
 French, Charles A. 2,701,656, Cl. 214—75.  
 French, Damas J. 2,710,200, Cl. 280—411.  
 French, George F., M. Stephenson, and J. A. McGlynn, said Stephenson and said McGlynn assignors to said French. 2,703,113, Cl. 139—384.  
 French, Henry C., to The Morrison Co. 2,722,892, Cl. 103—87.  
 French, Louis O. 2,700,342, Cl. 103—41.  
 French, Louis O. 2,705,856, Cl. 51—204.  
 French Oil Mill Machinery Co., The: *See—*  
   Stacy, Thomas F., and von der Heide. 2,714,225.  
 French, Roger: *See—*  
   Thorp, Eric. 2,722,486.  
 French Sardine Co. of California, The: *See—*  
   Bogdanovich, Louie. 2,713,879.  
 French, Warren F., to William H. Field Co., Inc. 2,725,690, Cl. 51—122.  
 Frendberg, Arthur M., to The Babcock & Wilcox Co. 2,702,726, Cl. 302—61.  
 Frenger, Gunnar. 2,718,383, Cl. 257—124.  
 Frere, Clarence, and F. T. Grothouse, to General Electric Co. 2,712,669, Cl. 15—368.  
 Frerer, Paul G., to Bendix Aviation Corp. 2,719,193, Cl. 200—67.  
 Frerer, Paul G., and I. W. Maier, to Soreng Products Corp. 2,727,610, Cl. 192—66.  
 Frerichs, Rudolf: *See—*  
   Jacobs, John E., and Frerichs. 2,706,791.  
 Freschner, Leonard L. 2,717,413, Cl. 16—151.  
 Frese, Verne, ½ to R. McCleery. 2,709,835, Cl. 18—47.5.  
 Freshman, Alexander W. 2,714,380, Cl. 128—2.06.  
 Fresno Consumers Ice Co.: *See—*  
   Ashley, Paul. 2,711,255.  
 Fretz, Jerome P. 2,723,067, Cl. 224—45.  
 Freund, Erich A. 2,722,038, Cl. 18—48.  
 Freund, Ernest H., and A. C. Herro, to National Dairy Research Laboratories, Inc. 2,709,137, Cl. 99—54.  
 Freund, Herman R., to Intertype Corp. 2,698,562, Cl. 95—85.  
 Freund, Herman R., to Intertype Corp. 2,704,014, Cl. 95—4.5.  
 Freund, Herman R., and F. B. Foster, to Intertype Corp. 2,708,506, Cl. 199—18.  
 Freund, Walter J. 2,710,874, Cl. 260—438.  
 Frevik, Ralph C.: *See—*  
   Altgelt, Rudolph J., and Frevik. 2,727,453.  
 Frevik, Ralph C., W. W. Sewell, and R. W. Wilson, to Ford Motor Co. 2,701,733, Cl. 287—62.  
 Frevik, Ralph C., and E. E. Sands, to Ford Motor Co. 2,708,865, Cl. 97—125.  
 Frey, Albert C.: *See—*  
   Rambo, Sheldon I., and Frey. 2,719,273.  
 Frey, Gustav O.: *See—*  
   Huntar, Felix, and Frey. 2,711,821.  
 Frey, John. 2,722,052, Cl. 30—215.  
 Freyburger, Stewart W. 2,710,001, Cl. 128—2.05.  
 Freyermuth, Harlan B.: *See—*  
   Libby, William H., and Freyermuth. 2,723,197.  
   Williams, William W., and Freyermuth. 2,700,665.  
   Williams, William W., and Freyermuth. 2,709,702.  
   Williams, William W., and Freyermuth. 2,713,046.  
 Frick, Charles H., and R. J. Rays, to General Motors Corp. 2,706,975, Cl. 123—103.  
 Frick, Chester A., to L. M. Harvey. 2,715,980, Cl. 222—183.  
 Frick Co.: *See—*  
   Garland, Milton W. 2,720,083.  
 Frick, Frederick F., and F. L. Holderreed, to Anaconda Copper Mining Co. 2,699,388, Cl. 75—36.  
 Frick, Frederick F., C. P. Donohoe, and K. F. Ruckwardt, to Anaconda Copper Mining Co. 2,716,600, Cl. 75—2.  
 Frick, John G., Jr.: *See—*  
   Weaver, Jeremiah W., Frick, and Reid. 2,711,998.  
 Frick, John J.: *See—*  
   Bartuska, George, Jr., and Frick. 2,716,191.  
 Fricke, Guy C.: *See—*  
   Kasten, Walter, and Fricke. 2,707,563.  
 Fricke, Guy C., to Bendix Aviation Corp. 2,707,611, Cl. 248—313.  
 Fricke, Howard H., to Abbott Laboratories. 2,721,162, Cl. 167—81.  
 Frickert, Philip J.: *See—*  
   Drummond, Warren W., and Frickert. 2,714,797.  
 Frico G. m. b. H. Gold- und Silber-Scheide-Anstalt: *See—*  
   Fritz, Adolf. 2,715,772.  
   Gerlach, Hans. 2,705,837.  
 Friday, Ernest W., to Tompkins' Label Service. 2,725,244, Cl. 281—6.  
 Friden Calculating Machine Co., Inc.: *See—*  
   Benson, Bernard S., Markakis, Danenberg, and Rounds. 2,728,521.  
   Davis, Elwood A. 2,722,377.  
   Ellerbeck, Grant C. 2,701,099.  
   Ellerbeck, Grant C. 2,714,989.  
   Ellerbeck, Grant C. 2,714,992.  
   Ellerbeck, Grant C. 2,722,376.  
   Hawthorne, Nathaniel F. 2,718,793.  
   Hopkins, George W. 2,714,991.  
   Hopkins, George W., and Holman. 2,703,678.  
   Llata, Raul G. 2,712,866.  
   Machado, Anthony B. 2,714,990.  
   Moody, John L., and Grobl. 2,714,986.  
   Frie, George R., and J. Selzer, to International Harvester Co. 2,725,099, Cl. 160—188.  
 Frieberg, Nelson R.: *See—*  
   Fowler, Roland G., Frieberg, and Larsen. 2,728,526.  
 Frieberg, Nelson R., to The National Cash Register Co. 2,714,987, Cl. 235—62.  
 Fried, Armin and J. W. 2,706,421, Cl. 77—73.5.  
 Fried, Josef: *See—*  
   Perlman, David, Fried, Titus, and Langlykke. 2,709,705.  
 Fried, Joseph W.: *See—*  
   Fried, Armin and J. W. 2,706,421.  
 Fried, Krupp Locomotivfabrik: *See—*  
   Herrmann, Heinrich. 2,723,570.  
   Lammerz, Ernst. 2,717,523.  
   Lammerz, Ernst, and Weissig. 2,706,952.  
 Fried, Krupp Stahlbau Rheinhausen: *See—*  
   Kluge, Wilhelm F. 2,701,061.  
 Frieder, Leonard P., and W. S. Finken; said Finken assor. to said Frieder. 2,704,522, Cl. 108—23.



- Frieder, Leonard P., and W. S. Finken; said Finken assor. to said Frieder. 2,721,712, Cl. 244—32.
- Friederich, Herbert: *See—*  
 Reppe, Walter, and Friederich. 2,727,902.
- Friederich, Walter. 2,710,297, Cl. 260—308.
- Friedh, Eric, and H. Kuensel, to Vibro-Plus Corp. 2,706,566, Cl. 214—83.3.
- Friedlander, George, to The Duplan Corp. 2,705,411, Cl. 66—187.
- Friedlander, Henry Z., and W. A. Barber, to American Cyanamid Co. 2,706,186, Cl. 260—30.4.
- Friedlander, Henry Z., and W. A. Barber, to American Cyanamid Co. 2,713,041, Cl. 260—32.6.
- Friedlander, Herbert N., to Standard Oil Co. 2,728,756, Cl. 260—94.9.
- Friedlander, Thomas A. 2,705,528, Cl. 155—188.
- Friedley, Harry E.: *See—*  
 Robbins, Daniel T., and McCrory. 2,703,131.
- Friedley, Russell: *See—*  
 Robbins, Daniel T., and McCrory. 2,703,131.
- Friedman, Abraham S., and W. C. Compton, to The National Ideal Co. 2,724,571, Cl. 248—151.
- Friedman, Bernard S., to Sinclair Refining Co. 2,700,638, Cl. 196—50.
- Friedman, Herbert. 2,711,480, Cl. 250—51.
- Friedman, Herbert. 2,715,195, Cl. 313—93.
- Friedman, Irving, to M. Mogavero. 2,701,575, Cl. 134—86.
- Friedman, Irving, and M. Mogavero; said Friedman assor. to said Mogavero. 2,706,992, Cl. 134—140.
- Friedman, Jack. 2,710,122, Cl. 222—563.
- Friedman, John H., to The National Machinery Co. 2,710,712, Cl. 226—2.
- Friedman, John H., to The National Machinery Co. 2,711,660, Cl. 80—1.
- Friedman, John H., to The National Machinery Co. 2,719,618, Cl. 192—12.
- Friedman, John H., to The National Machinery Co. 2,721,343, Cl. 10—12.
- Friedman, Joseph D.: *See—*  
 Groth, Fred A. 2,717,035.
- Friedman, Richard: *See—*  
 Tafel, Robert W., and Friedman. 2,718,451.
- Friedman, Robert G., to The National Machinery Co. 2,705,333, Cl. 10—11.
- Friedman, Samuel, to Reliable Machine Works, Inc. 2,713,785, Cl. 69—27.
- Friedman, Thomas, to Ideal Handbag Frame Mfg. Corp. 2,714,031, Cl. 292—228.
- Friedman, William: *See—*  
 Reed, Erwin. 2,712,652.
- Friedmann, Albert, and W. E. Stuffed, to Karl Lieberknecht, Inc. 2,705,409, Cl. 66—126.
- Friedrich, Martin E., to E. I. du Pont de Nemours & Co. 2,720,541, Cl. 260—560.
- Friedrichs, Otto,  $\frac{1}{2}$  to J. Reitsstötter. 2,718,137, Cl. 72—6.
- Friel, Daniel D., and R. G. Jackson, to E. I. du Pont de Nemours & Co. 2,721,942, Cl. 250—43.5.
- Friel, Roy L., and G. A. Thomas. 2,726,174, Cl. 117—111.
- Friend, Albert W., to Radio Corp. of America. 2,700,742, Cl. 315—24.
- Friend, Albert W., to Radio Corp. of America. 2,702,316, Cl. 179—100.2.
- Friend, Albert W., to Radio Corp. of America. 2,714,176, Cl. 315—17.
- Friend, Albert W., to Radio Corp. of America. 2,719,242, Cl. 313—70.
- Friend, Albert W., to Radio Corp. of America. 2,719,249, Cl. 315—13.
- Friend, Albert W., to Magnetic Metals Co. 2,721,995, Cl. 340—367.
- Friend, Albert W., to Radio Corp. of America. 2,726,355, Cl. 315—22.
- Friend, Carl F. 2,713,786, Cl. 70—150.
- Fries, Gustav,  $\frac{1}{2}$  to J. C. Vredenburg-Inglesby. 2,707,162, Cl. 154—123.
- Fries, Karl W., and G. Becker, to Rhinelander Paper Co. 2,708,177, Cl. 154—52.
- Fries, Peter, Jr.: *See—*  
 Chandler, Edward F. 2,710,115.  
 Chandler, Edward F. 2,713,253.  
 Sunden, Stuart O. 2,705,458.
- Friesen, Albert W. 2,702,975, Cl. 56—8.
- Friess, Hans, to Klangfilm Gesellschaft mit beschränkter Haftung. 2,717,283, Cl. 179—100.3.
- Friis-Hansen, Erik. 2,710,187, Cl. 270—31.
- Frink, Russell E.: *See—*  
 Van Sickle, Roswell C., and Frink. 2,727,963.
- Frink, Russell E., and P. Olsson, to Westinghouse Electric Corp. 2,717,292, Cl. 200—144.
- Frins, Maximilian C., to J. A. Cahil, d. b. a. Cahil Mfg. Co. 2,718,055, Cl. 30—15.
- Frisbee, Robert E. 2,721,393, Cl. 33—189.
- Frisbie, Marshall H., and S. P. Morse, to The A. C. Gilbert Co. 2,716,269, Cl. 29—155.54.
- Frisby, Raymond A. 2,718,187, Cl. 98—37.
- Frisch, Erling, to Westinghouse Electric Corp. 2,727,714, Cl. 251—25.
- Frisch, Frank O., to Barnes-Hind Laboratories, Inc. 2,707,468, Cl. 128—231.
- Frisch, Franz, and W. Wehrli, to Sandoz, A. G. 2,714,590, Cl. 260—199.
- Frisch, Kurt C.: *See—*  
 Martin, Robert W., and Frisch. 2,707,191.
- Frisch, Kurt C., to General Electric Co. 2,711,417, Cl. 260—448.2.
- Frisch, Martin, to Foster Wheeler Corp. 2,700,376, Cl. 122—491.
- Frischer, Blanche. 2,705,799, Cl. 2—37.
- Frisk, Erik E. 2,722,978, Cl. 160—40.
- Frisoli, Leonard D.: *See—*  
 Painter, Earle V., and Frisoli. 2,702,764.
- Fritsch, Hans: *See—*  
 Dall, Albert H., and Fritsch. 2,713,246.
- Fritsch, Hans, and A. H. Dall, to The Cincinnati Milling Machine Co. 2,706,892, Cl. 60—97.
- Fritsch, Wilhelm. 2,727,475, Cl. 107—47.
- Fritts, Vincent. 2,719,379, Cl. 43—44.6.
- Fritz, Adolf, to Frico G. m. b. H. Gold- und Silber-Scheide Anstalt. 2,715,772, Cl. 32—48.
- Fritz, Carl H., to Illinois Watch Case Co. 2,720,884, Cl. 132—83.
- Fritz, Carroll S.: *See—*  
 Nonemaker, Wilbur H., and Fritz. 2,716,391.
- Fritz, Dwain E., to Jack & Heintz Precision Industries, Inc. 2,700,124, Cl. 317—13.
- Fritz, Henry A. 2,708,939, Cl. 131—256.
- Fritz, Irvin W. 2,711,329, Cl. 280—44.
- Fritz, Robert J., and L. D. Etherington, to Esso Research and Engineering Co. 2,723,000, Cl. 183—114.2.
- Fritz, Rudolph A., to C. Blum, d. b. a. Chase Industrial Refrigerator Equipment and Engineering Co. 2,701,896, Cl. 20—19.
- Fritz, Rudolph A., to Chase Blum. 2,723,418, Cl. 16—131.
- Fritz, William L., to General Binding Corp. 2,722,747, Cl. 33—168.
- Fritz, William L., and J. Millar, Jr., to Jackson Mfg. Co. 2,710,117, Cl. 222—177.
- Fritze, Edgar H.: *See—*  
 Carney, Charles S., and Fritze. 2,706,080.
- Fritze, Edgar H., to Collins Radio Co. 2,710,962, Cl. 343—112.
- Fritzsche, Ralph C., to The Cincinnati Shaper Co. 2,705,501, Cl. 137—112.
- Friz, Adolf, G. m. b. H.: *See—*  
 Nyström, Olof B. 2,701,592.
- Froehlich, Kurt: *See—*  
 Grieshaber, Emil, and Froehlich. 2,706,490.
- Froehlich, Kurt, to Nordberg Mfg. Co. 2,703,561, Cl. 123—119.
- Froelich, Holmes L. 2,710,178, Cl. 261—119.
- Froese, Waldtraut: *See—*  
 Trieschmann, Hans-Georg, Ender, Reuter, and Froese. 2,711,997.
- Froidevaux, Oscar, to Tecalemit, Societe Anonyme. 2,703,195, Cl. 226—127.
- Froidevaux, Oscar, to Société dite: Tecalemit, Societe Anonyme. 2,708,600, Cl. 299—86.
- Froidevaux, Oscar, to Société so-called: Tecalemit, Société Anonyme. 2,714,021, Cl. 285—168.
- Froidevaux, Oscar, to Societe dite: Tecalemit Societe Anonyme. 2,718,332, Cl. 222—80.
- Frolow, Jack L. 2,712,231, Cl. 73—6.
- Fromm, Kenneth N.: *See—*  
 Miller, Theadore, and Fromm. 2,727,184.
- Fromm, Kenneth N., to Westinghouse Electric Corp. 2,707,238, Cl. 250—207.
- Fromm, Kenneth N., to Westinghouse Electric Corp. 2,727,146, Cl. 250—36.
- Fromm, Paul W., to J. I. Case Co. 2,725,912, Cl. 146—108.
- Frommelt, Horace A.: *See—*  
 See, Theodore S., and Frommelt. 2,726,977.
- Frommer, Joseph C., to Electric Eye Equipment Co. 2,709,943, Cl. 88—14.
- Fromson, Howard A., to Integral Clad Metals Co. 2,728,136, Cl. 29—475.
- Fromwiller, Edward. 2,718,701, Cl. 31—6.
- Fronmuller, George D., to Commonwealth Color & Chemical Co. 2,717,240, Cl. 252—8.6.
- Frost, Louis E., and G. B. Lewis, to North American Aviation, Inc. 2,706,832, Cl. 18—38.
- Frost, Paul D., to Olin Mathieson Chemical Corp. 2,706,679, Cl. 75—67.
- Frost, Thomas B.: *See—*  
 Hoyt, Karl R. 2,703,340.
- Frost, Wilfred S.: *See—*  
 Bisset, William, and Frost. 2,707,567.
- Frostick, Frederick C., Jr., and B. Phillips, to Union Carbide and Carbon Corp. 2,716,123, Cl. 260—348.
- Frothingham, Irene. 2,717,384, Cl. 2—3.
- Fruengel, Frank. 2,703,374, Cl. 313—149.
- Frühling, Curt, to Neue Baumaschinen G. m. b. H. 2,705,379, Cl. 37—81.
- Fruit Machinery Co.: *See—*  
 Fox, Richard D. 2,705,036.  
 Fox, Richard D., and McClelland. 2,705,037.
- Fruit Treating Corp.: *See—*  
 Byington, James A. 2,701,064.
- Frum, Alexander, to International Standard Electric Corp. 2,723,310, Cl. 179—15.
- Frumkin, Raphaël: *See—*  
 Gutton, Henri, Ortusi, and Frumkin. 2,710,364.
- Fruns, Jose: *See—*  
 Alonso, Sergio A., and Fruns. 2,721,398.
- Fruth, Hal F., to Heath Co. 2,702,524, Cl. 118—49.
- Fry, Ashford B., P. F. George, and R. C. Kirk, to The Dow Chemical Co. 2,712,564, Cl. 136—100.



- Fry, Benjamin W., to National Vendors Inc. 2,728,434, Cl. 194—10.
- Fry, Clifford W., to Certified Gas Equipment Corp. 2,721,053, Cl. 251—263.
- Fry, Douglas J.: *See—*  
Kendall, John D., and Fry. 2,705,234.
- Fry, Douglas J., and B. A. Lea, to Ilford Ltd. 2,712,013, Cl. 260—240.6.
- Fry, Douglas J., and B. A. Lea, to Ilford Ltd. 2,715,623, Cl. 260—240.65.
- Fry, Douglas J., and B. A. Lea, to Ilford Ltd. 2,723,267, Cl. 260—240.6.
- Fry, John J.: *See—*  
Frank, Gerard A., and Fry. 2,715,991.
- Fry, Millard E., to General Motors Corp. 2,717,291, Cl. 200—140.
- Fry, Millard E., to General Motors Corp. 2,719,906, Cl. 219—37.
- Fry, Millard E., to General Motors Corp. 2,722,591, Cl. 219—19.
- Frye, Colin M., to Dowty Equipment Ltd. 2,699,180, Cl. 137—539.5.
- Frye, Karl E. 2,711,330, Cl. 280—47.26.
- Frye, Leonard F.,  $\frac{1}{3}$  to L. L. Baxter, and  $\frac{1}{3}$  to R. J. Holsbouser. 2,702,934, Cl. 28—28.
- Frye, Sanders A., to American Machine & Foundry Co. 2,699,945, Cl. 273—49.
- Frye, Sanders A., to American Machine and Foundry Co. 2,702,707, Cl. 273—43.
- Fryklund, Donald H., to Gulton Mfg. Co. 2,722,614, Cl. 310—8.6.
- Fryklund, Robert A., to Raytheon Mfg. Co. 2,715,055, Cl. 346—139.
- Fryklund, Robert A., to Raytheon Mfg. Co. 2,725,547, Cl. 340—10.
- Fryklund, Robert A., and E. A. Sabin, to Raytheon Mfg. Co. 2,723,462, Cl. 33—179.5.
- Fuchs, Armin G. W. 2,704,659, Cl. 261—75.
- Fuchs, Carl, to Wolldeckenfabrik Zoeppritz Aktiengesellschaft. 2,703,112, Cl. 139—142.
- Fuchs, Carl, to Wolldeckenfabrik Zoeppritz Aktiengesellschaft. 2,707,005, Cl. 139—172.
- Fuchs, Hans G.: *See—*  
Böker, Reinhard, and Fuchs. 2,701,815.
- Fuchs, Henry O.: *See—*  
MacLeod, David E., and Fuchs. 2,718,075.
- Fuchs, Herman S.: *See—*  
Kleis, Derk, Westmijze, and Fuchs. 2,700,073.
- Fuchsman, Charles H., to International Minerals & Chemical Corp. 2,703,272, Cl. 23—89.
- Fuehrer, George H., to Thor Power Tool Co. 2,720,401, Cl. 279—19.1.
- Fuehrer, George H., to Independent Pneumatic Tool Co. 2,721,540, Cl. 121—10.
- Fuehrer, George H., to Thor Power Tool Co. 2,726,640, Cl. 121—7.
- Fuehrer, George H., to Thor Power Tool Co. 2,728,328, Cl. 121—10.
- Fuentes M., and A. M. Romero. 2,700,982, Cl. 137—460.
- Fuerbringer, Charles C.: *See—*  
Felt, Adolph E., and Fuerbringer. 2,701,485.
- Fuerst, Carl C., to Eastman Kodak Co. 2,718,835, Cl. 95—63.
- Fuerst, Carl C., and D. C. Harvey, to Eastman Kodak Co. 2,718,834, Cl. 95—60.
- Fuerst, Robert J., and F. Michel. 2,724,601, Cl. 282—22.
- Fuge, Harry B., to The Singer Mfg. Co. 2,727,162, Cl. 310—76.
- Fuglie, Elmer A., to Winona Tool Mfg. Co. 2,700,851, Cl. 51—166.
- Fuhrman, Albert W., to United States Rubber Co. 2,721,859, Cl. 260—92.8.
- Fuji Photo Film Co., Ltd.: *See—*  
Doi, Yoshikazu. 2,718,174.
- Fujinawa, Ikuzo, to Kinki Nippon Tetsudo Kabushiki-Kaisha. 2,699,840, Cl. 184—3.
- Fukuyama, Ruisaburo. 2,702,200, Cl. 285—97.3.
- Fulbright, Crooker, Freeman & Bates: *See—*  
Barnett, Frederick W., Sumner, and Cashman. 2,727,293.
- Fulcher, Maxwell S.: *See—*  
Daniel, Robert S., and Fulcher. 2,725,059.
- Fulke, Frank L. 2,711,892, Cl. 262—33.
- Fulkerson, Lawrence O. 2,721,779, Cl. 312—255.
- Fullam, Ernest F., to General Electric Co. 2,719,456, Cl. 88—39.
- Fuller Brush Co., The: *See—*  
Le Febvre, Alfred L. 2,700,564.
- Fuller, Calvin S., to Bell Telephone Laboratories, Inc. 2,725,315, Cl. 148—1.5.
- Fuller, Calvin S., to Bell Telephone Laboratories, Inc. 2,725,316, Cl. 148—1.5.
- Fuller, Donald L.: *See—*  
McKinley, Clyde, Fahnoe, and Fuller. 2,712,560.
- Fuller, Frances A. 2,700,162, Cl. 2—209.
- Fuller, Frank W., and G. B. Moore. 2,708,288, Cl. 18—34.
- Fuller, James M., to Masonite Corp. 2,713,029, Cl. 252—8.5.
- Fuller, Lawrence J., to Welding Engineers, Inc. Re. 23,948, Cl. 18—12.
- Fuller, Norman C., to The Standard Oil Co. 2,724,512, Cl. 212—71.
- Fuller, Robert W., 50% to J. F. Colvard. 2,715,797, Cl. 51—33.
- Fuller, Russell W.: *See—*  
Thomas, Orrin H., and Fuller. 2,710,592.
- Fuller, Thomas J. D., Jr. 2,707,346, Cl. 40—133.
- Fuller, W. P., & Co.: *See—*  
Klaar, Max. 2,702,969.
- Fullerton, Herbert P., to General Electric Co. 2,713,095, Cl. 200—31.
- Fullerton, Lawson, to The Fullerton Mfg. Corp. 2,721,635, Cl. 189—46.
- Fullerton Mfg. Corp., The: *See—*  
Fullerton, Lawson. 2,721,635.
- Fullwood, Edward F., and J. Philippi, to Air Reduction Co., Inc. 2,709,420, Cl. 121—38.
- Fulmer, Norman C., to Allen B. Du Mont Laboratories, Inc. 2,727,941, Cl. 178—5.4.
- Fulop, Charles. 2,699,348, Cl. 287—54.
- Fulper, John H., to Kewanee Machinery & Conveyor Co. 2,704,920, Cl. 55—76.
- Fulper, John H., to Kewanee Machinery & Conveyor Co. 2,710,090, Cl. 198—121.
- Fulster, Chris. 2,711,608, Cl. 43—3.
- Fulton Co., The: *See—*  
Riemann, Howard C. 2,719,733.
- Fulton, George P., and J. C. Alexander, to National Institute of Cleaning & Dyeing. 2,715,833, Cl. 73—73.
- Fulton, Hugh W., E. B. Stead, and D. More, to The Glacier Metal Co. Ltd. 2,723,079, Cl. 233—23.
- Fulton, Roy B., J. G. McKee, and F. W. Norris. 2,728,182, Cl. 56—25.4.
- Fulton, William H., and C. L. Moor, Jr.; said Fulton assor. to said Moor. 2,712,357, Cl. 180—6.28.
- Fultz, William W. 2,726,703, Cl. 153—52.
- Fulwider, Robert W.: *See—*  
Allison, Donald K. 2,704,274.
- Fumat, Joseph, to S. O. M. I. Societe de Montage pour l'Industrie Mecanique. 2,722,239, Cl. 139—227.
- Fumol Corp.: *See—*  
Winkler, Joseph. 2,722,483.
- Funderburk, George O.: *See—*  
Cupery, Martin E., and Funderburk. 2,702,278.
- Funderburk, George O., and V. R. Hurka, to E. I. du Pont de Nemours & Co. 2,702,279, Cl. 252—152.
- Fundlingsland, Laurence O. 2,699,714, Cl. 97—42.
- Fungaroli, Anthony. 2,719,019, Cl. 249—58.
- Funk, Gilbert R., to Waukesha Foundry Co. 2,711,102, Cl. 74—230.17.
- Funk, Julius H. 2,701,365, Cl. 2—172.
- Funk, Roger S. 2,717,110, Cl. 224—42.45.
- Funk, Truman B., to Yard-Man, Inc. 2,720,560, Cl. 191—12.2.
- Funk, Walter, Jr., and W. L. Kincheloe, to the United States of America as represented by the Secretary of the Army. 2,709,962, Cl. 102—78.
- Funke, Emil: *See—*  
Peddinghaus, Werner, and Funke. 2,728,391.
- Funke, Fred W. 2,723,781, Cl. 222—175.
- Funkhouser, Mearick, to General Motors Corp. 2,714,942, Cl. 188—100.
- Furer, Edward: *See—*  
Kiel, John P., Jr. 2,706,938.
- Furey, Dillon C. 2,722,915, Cl. 120—98.
- Furholmen, Erik. 2,723,417, Cl. 16—115.
- Furman, Kenneth E., and H. D. Finch, to Shell Development Co. 2,708,208, Cl. 260—621.
- Furnas, Aura R. 2,704,498, Cl. 97—192.
- Furnas Electric Co.: *See—*  
Johnson, Arthur B., Jr., Koertge, and Rucks. 2,713,104.
- Koertge, Nobel H., and Rucks. 2,707,213.
- Rucks, Edward L., and Koertge. 2,713,092.
- Furniss, Loree E., to The Buckeye Steel Castings Co. 2,705,078, Cl. 213—58.
- Furniture Arts, Inc.: *See—*  
Courtwright, Robert M. 2,698,775.
- Furno, Harold R., 49% to R. Hudachek. 2,706,072, Cl. 226—2.
- Furr, Walter E. Jr. 2,703,576, Cl. 128—283.
- Furst, John J., to Sperry Rand Corp. 2,720,116, Cl. 74—5.42.
- Furst, Stefan: *See—*  
Reiners, Walter, and Furst. 2,716,004.
- Furst, Stefan, to W. Reiners. 2,707,546, Cl. 198—20.
- Furst, Stefan, to W. Reiners. 2,707,548, Cl. 198—65.
- Furst, Valle A.,  $\frac{1}{2}$  to M. D. McCloud. 2,716,438, Cl. 155—15.
- Fürstenberg, Joachim, to Pneumafil Corp. 2,724,943, Cl. 57—34.5.
- Futterer, William H. 2,725,851, Cl. 119—17.
- G-M Laboratories, Inc.: *See—*  
Burian, Kurt. 2,716,724.
- G. & R. Corp.: *See—*  
Graves, George O., and Rosebrook. 2,705,927.
- G & W Electric Specialty Co.: *See—*  
Nicholas, James H. 2,727,938.
- G & W Mfg. Co., Inc., The: *See—*  
Browning, George G. and W. P. 2,707,069.
- G & Z Automatic Products Co.: *See—*  
Wiltsie, James N., and Hopkins. 2,704,672.
- Gabb Mfg. Co., Division of The E. Horton & Son Co.: *See—*  
Cooper, Robert S. 2,701,616.
- Gabelmann, Philip E.: *See—*  
Zinty, Marcel J., Rowan, and Gabelmann. 2,726,642.
- Gable, Deluou M., Sr. 2,710,706, Cl. 220—94.
- Gable, Harry L., and J. E. McKinney. 2,708,473, Cl. 155—22.
- Gable, Myron W., to Shell Development Co. 2,717,095, Cl. 220—26.
- Gabler, Raymond T., to North American Aviation, Inc. 2,707,752, Cl. 250—36.
- Gabriel Co., The: *See—*  
Turk, Anthony G. 2,699,909.



- Gabriel Steel Co.: *See*—  
Zabriskie, William A. 2,723,772.
- Gabrielsen, Christian, to The Rowe Mfg. Co., Inc. 2,704,590, Cl. 194—92.
- Gabrielsen, Christian, to Rowe Mfg. Co., Inc. 2,713,739, Cl. 40—71.
- Gabrielsen, Christian, to Rowe Mfg. Co., Inc. 2,719,528, Cl. 133—5.
- Gabrielsen, Christian, to Rowe Mfg. Co., Inc. 2,719,651, Cl. 221—14.
- Gabrielson, Samuel, and H. A. Bakke, to General Electric Co. 2,704,457, Cl. 74—5.6.
- Gabrilovitch, Leonide E. 2,709,218, Cl. 250—6.
- Gaby, Philip P., to California Research Corp. 2,705,314, Cl. 340—17.
- Gack, Ludwig. 2,727,438, Cl. 90—38.
- Gadbois, Ernest T., to Mul-T-Unit Corp. 2,705,107, Cl. 235—61.
- Gaddis, Hugh L., G. W. Myers, and O. S. Welsh, to Brown Fintube Co. 2,726,681, Cl. 138—38.
- Gadea, Ramon A.: *See*—  
Scalera, Mario, and Gadea. 2,719,154.
- Gaenzle, Luther E., to Armstrong Cork Co. 2,720,384, Cl. 259—7.
- Gaertner, George W., Jr.: *See*—  
Mecorney, John W., and Gaertner. 2,725,400.
- Gaertner, Paul C., Jr.: *See*—  
Palmour, Hayne, and Gaertner. 2,723,877.
- Gaffney, William N. 2,714,769, Cl. 36—8.3.
- Gagarine, Dmitry M., and H. Repokis, to Dan River Mills, Inc. 2,724,664, Cl. 117—139.4.
- Gage, Claud C.: *See*—  
Doty, Clifford B., Gage, and McCauley. 2,720,914.
- Gagliano, Joseph A., 50% to A. H. and A. V. Wolak. 2,725,886, Cl. 132—148.
- Gagnan, Emile, to L'Air Liquide Societe Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude. 2,700,876, Cl. 62—1.
- Gagnier, Charles E.: *See*—  
Evans, Howard A., and Gagnier. 2,702,346.
- Gagnon, Louis L. 2,721,380, Cl. 30—6.1.
- Gaguski, Edward O., to Bendix Aviation Corp. 2,699,141, Cl. 116—124.4.
- Gahagan, Kenneth N.: *See*—  
Watson, William A. 2,701,898.
- Gahre, Hans. 2,724,967, Cl. 73—197.
- Gaidos, Alonzo F. 2,716,923, Cl. 89—140.
- Gailliot, Paul: *See*—  
Jacob, Robert M., Gailliot, and Robert. 2,727,071.
- Gailliot, Paul, and J. Baget, to Parke, Davis & Co. 2,707,188, Cl. 260—332.3.
- Gainer, Gordon C., to Westinghouse Electric Corp. 2,709,692, Cl. 260—46.5.
- Gainers Ltd.: *See*—  
Rufenach, Harold E. 2,702,404.
- Gaines, Harry, Jr. 2,702,198, Cl. 280—489.
- Gainsburgh, Charles B. 2,716,756, Cl. 2—321.
- Gair, Albert W., to Thompson Products, Inc. 2,723,166, Cl. 308—28.
- Gair, Robert, Co., Inc.: *See*—  
Ahlmeyer, Heinz, and Sherman. 2,710,566.  
Bolton, Philip S., and Horeysek. 2,727,439.  
Gilbert, Clyde L. 2,719,649.  
Vahle, Raymond. 2,699,710.  
Weiss, Arthur J. 2,703,189.
- Gaiser, Roney A., to Libbey-Owens-Ford Glass Co. 2,703,949, Cl. 49—79.
- Gajda, Leo P.: *See*—  
Kazmierczak, Walter S., and Gajda. 2,715,489.
- Galaba, Alexander, to Morrison Products, Inc. 2,722,464, Cl. 308—26.
- Galantino, Anthony: *See*—  
Esposito, Augustus, and Galantino. 2,712,883.
- Galanty, Harold E., to Otis Elevator Co. 2,720,284, Cl. 187—48.
- Galbraith, Bart A. 2,728,237, Cl. 74—87.
- Galbreath, Paul J., and W. C. Tunnell, to the United States of America as represented by the United States Atomic Energy Commission. 2,718,235, Cl. 137—376.
- Galbreath, Robert V.: *See*—  
Ghornley, Karl S., and Galbreath. 2,723,437.
- Gale, Alfred J., to High Voltage Engineering Corp. 2,722,620, Cl. 313—74.
- Gale, Alfred J., to High Voltage Engineering Corp. 2,724,059, Cl. 250—49.5.
- Gale, Jay B., to Lube-Tube Corp. 2,711,849, Cl. 226—23.
- Gale, Kenneth M., to The Mosaic Tile Co. 2,715,289, Cl. 41—23.
- Galen, Max. 2,718,346, Cl. 228—32.
- Galkin, Joseph. 2,706,457, Cl. 112—211.
- Galkin, Joseph. 2,723,636, Cl. 112—211.
- Galkin, Joseph. 2,725,838, Cl. 112—147.
- Gall, John F., and C. E. Inman, to The Pennsylvania Salt Mfg. Co. 2,702,306, Cl. 260—650.
- Galla, Stephen J., to Ford Motor Co. 2,724,143, Cl. 16—86.
- Gallaccio, Anthony: *See*—  
Tuckerman, Arnold J., Gallaccio, and Kushner. 2,703,529.
- Gallagher, Charles J., to General Electric Co. 2,725,318, Cl. 148—11.5.
- Gallagher, Hugh M.: *See*—  
Gallagher, Hugh M., and Strasinger. 2,722,971.
- Gallagher, Hugh M., and J. V. Strasinger, to H. M. Gallagher, d. b. a. Consolidated Metal Products Co. 2,722,971, Cl. 155—124.
- Gallagher, John H. 2,708,500, Cl. 198—12.
- Gallagher-Kaiser Corp.: *See*—  
Fegert, August F. 2,711,061.
- Gallagher, Ray J., to Automatic Electric Laboratories, Inc. 2,703,166, Cl. 194—1.
- Gallagher, Ray J., to Automatic Electric Laboratories, Inc. 2,706,551, Cl. 194—16.
- Gallagher, Ray J., to Automatic Electric Laboratories, Inc. 2,707,724, Cl. 179—6.3.
- Gallagher, Ray J., to Automatic Electric Laboratories, Inc. 2,717,683, Cl. 194—96.
- Gallagher, William P., and C. J. Courant, to International Register Co. 2,701,845, Cl. 310—90.
- Gallagher, William P., A. D. Stolle, and P. G. Bielik, to International Register Co. 2,709,341, Cl. 62—4.
- Galland-Henning Mfg. Co.: *See*—  
Raasch, William. 2,707,097.
- Gallay, Francis, to Intertherm A.-G., Fabrik fur elektrische Apparate (Intertherm S. A., Fabrique d'appareils electriques). 2,712,053, Cl. 219—39.
- Gallay, Sidney W.: *See*—  
Daily, Arthur M., and Gallay. 2,721,243.
- Galle, Hans E., to F. L. Smith & Co. 2,708,602, Cl. 302—29.
- Galli, Leon C. 2,726,794, Cl. 222—456.
- Galliers, Marshall W.: *See*—  
Folley, Cranston W., Galliers, and Horbatt. 2,727,611.
- Galliers, Marshall W., to Curtiss-Wright Corp. 2,700,303, Cl. 73—141.
- Gallistel, Albert F., to Perfection Mfg. Corp. 2,713,344, Cl. 134—56.
- Gallistel, Albert F., to Perfection Mfg. Corp. 2,725,892, Cl. 137—241.
- Gallmeyer, Richard D., to Service Engineering, Inc. 2,710,016, Cl. 137—111.
- Gallo, Joseph E., to Curtiss-Wright Corp. 2,721,397, Cl. 35—10.2.
- Galloway, Charles D., to The Electric Storage Battery Co. 2,704,593, Cl. 198—35.
- Galloway, Edwin J., to Neenah Milk Products Co. 2,714,455, Cl. 210—183.
- Galloway, Herbert R., to Minnesota Plastics Corp. 2,708,214, Cl. 136—177.
- Galloway, Robert K.: *See*—  
Kerr, Charles E., and Galloway. 2,710,089.
- Galloway, Robert K., to Food Machinery and Chemical Corp. 2,710,024, Cl. 137—563.
- Galloway, William F., Sr. 2,715,936, Cl. 155—38.
- Gallowhur Chemical Corp.: *See*—  
Shibe, William J., Jr., Cohen, and Frant. 2,725,326.
- Gallowhur, George. 2,716,335, Cl. 65—53.
- Gallup, Floyd H., 5½% to R. W. Dauber. 2,709,041, Cl. 235—61.
- Gallup, John L., and G. Palty, to Radio Corp. of America. 2,723,205, Cl. 117—46.
- Galonska, David A., to General Motors Corp. 2,716,537, Cl. 254—122.
- Galvanek, Paul, Jr.: *See*—  
Morrison, Thomas J., Jr., and Galvanek. 2,710,924.
- Galvani, Alice A.: *See*—  
Simon, Louis M. 2,727,239.
- Gamache, Jean-Paul, to Tricot Somerset Inc. 2,705,827, Cl. 26—7.
- Gamage, Russell W.: *See*—  
Pindzola, Michael, and Gamage. 2,721,476.
- Gamaunt, Roger L. 2,702,196, Cl. 280—203.
- Gambardella, Carmine J., to Lee Engineering Co. 2,703,632, Cl. 188—5.
- Gamble, Edward H., to Curtiss-Wright Corp. 2,718,614, Cl. 317—171.
- Gamble, Hedwig. 2,710,702, Cl. 216—25.
- Gamble, Hugh A.: *See*—  
Smith, William B. 2,703,474.
- Gamble, Johnny D. 2,699,369, Cl. 312—343.
- Gamble, Lyne S.: *See*—  
Smith, William B. 2,703,474.
- Gamble, Morgan F. 2,702,589, Cl. 158—28.
- Gamble, Morgan F., to Pres-On Switch Co., Inc. 2,727,957, Cl. 200—83.
- Gamble, William. 2,728,440, Cl. 197—189.
- Gamboni, Maltilde A. 2,715,732, Cl. 2—30.
- Gamma Surveys, Inc.: *See*—  
Arnold, James C. 2,702,882.
- Gammeter, John R. 2,714,451, Cl. 209—74.
- Gammie, John E.: *See*—  
Komuchar, Victor J., and Gammie. 2,726,662.  
Raney, Russell R., Komuchar, Gammie, and Evans. 2,726,051.
- Gamper, Robert. 2,719,057, Cl. 302—23.
- Gamrath, Harry E., to Monsanto Chemical Co. 2,704,278, Cl. 252—89.
- Gamrath, Harry R., and R. E. Hatton, to Monsanto Chemical Co. 2,698,837, Cl. 252—78.
- Gamrath, Harry R., and R. E. Hatton, to Monsanto Chemical Co. 2,707,176, Cl. 252—78.
- Gamundi, Reynold F., G. R. Pipes, and F. C. Schwendler, to Eaton Mfg. Co. 2,720,999, Cl. 220—25.
- Gamura, Michael A. 2,725,793, Cl. 90—59.
- Ganahl, Alfred, to J. Heintz. 2,713,755, Cl. 51—55.
- Gançberg, Abraam: *See*—  
Guillissen, Clément J., and Gançberg. 2,703,294.  
Guillissen, Clément J., and Gançberg. 2,706,187.
- Gandert, Philip: *See*—  
Shaheen, John M., and Gandert. 2,724,478.



- Gandert, Philip, and H. B. Smith, to Tele-Trip Policy Co., Inc. 2,703,048, Cl. 101—90.
- Gandrud, Ebenhard S. 2,718,978, Cl. 220—35.
- Gandrud, Ebenhard S. 2,723,053, Cl. 222—177.
- Gane's Chemical Works, Inc.: *See—*
- Rice, Robb V. 2,715,125.
- Gang, Herman, to Monroe Calculating Machine Co. 2,721,698, Cl. 235—63.
- Gango, Philip A. 2,706,301, Cl. 15—23.
- Ganguin, Karl O., and E. Macdonald, to Imperial Chemical Industries Ltd. 2,709,136, Cl. 95—88.
- Ganio, Otto. 2,705,917, Cl. 101—3.
- Ganitta, Eugen, to International Standard Electric Corp. 2,709,721, Cl. 179—173.
- Gannett, Danforth K., to Bell Telephone Laboratories, Inc. 2,719,272, Cl. 333—75.
- Gannett, Wright K.: *See—*
- Mast, Gifford M., Gannett, and Moeller. 2,718,738.
- Gannon, Claude E. 2,704,241, Cl. 23—267.
- Gannon, Edward W.: *See—*
- Jast, George P., Fitzpatrick, and Gannon. 2,703,934.
- Gannon, Jesse, to B. Weingart. 2,702,598, Cl. 166—191.
- Gannon, John J., to Lancaster Engineering Co. 2,709,074, Cl. 257—263.
- Gans, Robert S. 2,699,951, Cl. 280—38.
- Ganster, Joseph A., Jr., to Industrial Engineering Co. 2,727,594, Cl. 188—90.
- Gant, Andrew M. 2,728,114, Cl. 20—2.
- Gantt, James E.: *See—*
- Jones, Edwin K., and Gantt. 2,720,447.
- Gantz, Emanuel, to Empire Brushes, Inc. 2,704,853, Cl. 15—168.
- Gantz, Stanley: *See—*
- Ross, Harry R., and Gantz. 2,727,383.
- Ganzhorn, George H.: *See—*
- Barton, Bernard C., and Ganzhorn. 2,710,287.
- Garabedian, Edward. 2,713,184, Cl. 22—156.
- Garand, John C. 2,710,476, Cl. 42—18.
- Garand, John C. 2,715,355, Cl. 89—140.
- Garand, John C., to the United States of America as represented by the Secretary of War. 2,715,789, Cl. 42—50.
- Garapolo, Orlando, to Wilson & Co., Inc. 2,723,645, Cl. 118—30.
- Garascia, George: *See—*
- Lichter, Adolph H. and H., and Garascia. 2,719,985.
- Garbarini, John J., to American Cyanamid Co. 2,717,267, Cl. 260—534.
- Garbarini, Robert F., L. L. Wheeler, and J. R. Ericson, to The Sperry Corp. 2,712,269, Cl. 89—15.
- Garbati, Alfredo. 2,718,686, Cl. 25—156.
- Garbe, Rudolf, to The Singer Mfg. Co. 2,698,590, Cl. 112—254.
- Garbellano, David W., and D. R. Cone. 2,721,274, Cl. 250—77.
- Garber, Marland W.: *See—*
- Fierbaugh, Emmett A., and Garber. 2,715,041.
- Garberding, Waldo L. 2,703,995, Cl. 77—58.
- Garbo, Paul W. 2,722,172, Cl. 99—421.
- Garbutt, Robert: *See—*
- Hiscock, George H., and Garbutt. 2,724,948.
- Garcia, Rubens J.: *See—*
- Rey, Joaquin G., and Garcia. 2,720,863.
- Gard, George E., to Armstrong Cork Co. 2,707,801, Cl. 18—34.
- Gard, George E., to Armstrong Cork Co. 2,707,802, Cl. 18—34.
- Gard, George E., to Armstrong Cork Co. 2,719,329, Cl. 18—48.
- Gard Products, Inc.: *See—*
- Clarke, Frederick A. 2,712,809.
- Gardella, Adriano. 2,725,598, Cl. 19—7.
- Garden City Plating & Mfg. Co.: *See—*
- Zurawski, Edward F. 2,724,047.
- Gardes, Alfred W., to Houdaille-Hershey Corp. 2,699,475, Cl. 200—80.
- Gardes, Alfred W., to Houdaille-Hershey Corp. 2,714,447, Cl. 206—46.
- Gardes, Alfred W., to Houdaille-Hershey of Indiana, Inc. 2,723,058, Cl. 222—504.
- Gardex, Inc.: *See—*
- Szillage, Kalman. 2,728,598.
- Gardiner, Alan J.: *See—*
- Jackson, Edwin J., and Gardiner. 2,699,524.
- Gardiner, Arthur W., A. W. Gaubatz, W. T. Nickel, J. Dolza, and P. W. Perish, to General Motors Corp. 2,708,426, Cl. 123—103.
- Gardiner, Duncan B.: *See—*
- Harrington, Ferris T., Allen, and Gardiner. 2,720,171.
- Gardiner, Duncan B., to Vickers Inc. 2,720,755, Cl. 60—52.
- Gardiner, Edward M., to Boeing Airplane Co. 2,717,979, Cl. 318—19.
- Gardiner, Robert E., to Universal Match Corp. 2,714,993, Cl. 236—15.
- Gardner, Adryl W. 2,721,405, Cl. 37—146.
- Gardner, Bernard C., to Raytheon Mfg. Co. 2,713,648, Cl. 315—12.
- Gardner, Bernard C., to Raytheon Mfg. Co. 2,724,072, Cl. 315—5.
- Gardner Board and Carton Co., The: *See—*
- Fisher, Harry C., and Trosset. 2,725,306.
- Ringler, William A. 2,705,556.
- Ringler, William A. 2,706,578.
- Ringler, William A. 2,723,488.
- Sooy, Brainard E., and Fisher. 2,725,307.
- Van Rosen, Robert E. 2,702,153.
- Van Rosen, Robert E., Arens, and Struble. 2,711,843.
- Gardner-Denver Co.: *See—*
- Pinkerton, Howard K. 2,727,469.
- Gardner, Edward B., to Emhart Mfg. Co. 2,719,567, Cl. 154—42.
- Gardner, George W. 2,698,652, Cl. 157—128.
- Gardner, George W., and J. H. Whitaker. 2,720,940, Cl. 184—2.
- Gardner, Ira S.: *See—*
- Burgess, Everett H., Gardner, and Egart. 2,718,763.
- Gardner, James. 2,714,030, Cl. 292—178.
- Gardner, James M.: *See—*
- Piper, Frank R., and Gardner. 2,710,438.
- Gardner, James W.: *See—*
- Green, Philip. 2,702,574.
- Gardner, James W. 2,699,806, Cl. 146—32.
- Gardner, John R., to Caterpillar Tractor Co. 2,717,813, Cl. 305—9.
- Gardner, John R., to Caterpillar Tractor Co. 2,722,760, Cl. 37—126.
- Gardner, John R., and W. F. Miller. 2,713,433, Cl. 214—653.
- Gardner, Karl G. 2,701,939, Cl. 55—1.
- Gardner, Lawrence H. 2,711,757, Cl. 137—620.
- Gardner Machine Co.: *See—*
- Cadman, Harold O. 2,717,682.
- Gardner, Ralph A.: *See—*
- Jones, Arthur L., Gardner, and Seelbach. 2,720,978.
- Gardner, Robert I., to Hillman-Kelley. 2,703,221, Cl. 255—35.
- Gardner, Robert K.: *See—*
- Swift, Willard E., and Gardner. 2,717,516.
- Gardner Tool & Stamping Co., Inc.: *See—*
- Anderson, Paul V. 2,702,866.
- Gardner, William R., deceased; H. F. Brown, executrix, 42½% to J. W. Prosser, and 15% to E. C. Campbell. 2,702,939, Cl. 30—43.
- Garduno, Fernando. 2,700,820, Cl. 30—286.
- Garecht, Frederick G.: *See—*
- Powers, Frank M., Oscanon, and Garecht. 2,710,012.
- Garfield, Edward L., to Typhoon Prop-R-Temp Corp. of Florida. 2,699,655, Cl. 62—129.
- Garfield, Isadore W. 2,728,604, Cl. 299—24.
- Garfunkel, Louis X. 2,702,405, Cl. 17—32.
- Gargaglione, Frank B. 2,703,462, Cl. 38—104.
- Gargano, Sam. 2,714,862, Cl. 107—48.
- Gargisa, Marion: *See—*
- Rudel, Harry W., and Gargisa. 2,718,500.
- Garing, Wilbur M. 2,710,452, Cl. 33—25.
- Garland, Gladys E.: *See—*
- Cornett, Archie D. 2,718,624.
- Garland, James E. 2,711,208, Cl. 155—43.
- Garland, Joseph, to Superior Sleeprite Corp. 2,727,251, Cl. 5—58.
- Garland, Milton W., to Frick Co. 2,720,083, Cl. 62—3.
- Garlinghouse Brothers: *See—*
- Garlinghouse, Leslie H. 2,713,507.
- Garlinghouse, Leslie H., to Garlinghouse Brothers. 2,713,507, Cl. 294—69.
- Garlock Packing Co., The: *See—*
- Chambers, Albert M., Jr., and Patrick. 2,717,790.
- Hartranft, William. 2,723,868.
- Hills, Leander H. 2,711,247.
- Garmager, Curt H., to Ford Motor Co. 2,722,873, Cl. 97—46,07.
- Garman, George G., to the United States of America as represented by the Secretary of the Navy. 2,720,780, Cl. 73—35.
- Garman, Raymond L.: *See—*
- Droz, Marcel E., and Garman. 2,715,497.
- Droz, Marcel E., Garman, and Nathe. 2,710,722.
- Gillette, Frank N., Garman, and Pourciau. 2,714,131.
- Garman, Raymond L., and L. P. Raitiere, to General Precision Laboratory Inc. 2,721,319, Cl. 340—370.
- Garment Hanger Co.: *See—*
- Townsend, Claude M., and Wilson. 2,706,501.
- Garmgard Products Co.: *See—*
- Schmidt, John B., and Hanson. 2,717,160.
- Garner, Brian L., and M. M. Levy, to The General Electric Co. Ltd. 2,716,732, Cl. 332—11.
- Garner, Ewell M. 2,724,430, Cl. 155—148.
- Garner, Russell F., and W. J. Russell, to Robertshaw-Fulton Controls Co. 2,715,664, Cl. 200—140.
- Garnes, Pettus W. 2,708,585, Cl. 280—47,41.
- Garnett, Edward V., and G. N. Gromer, to Truck Equipment Co. 2,715,014, Cl. 254—139,1.
- Garni, Bruce. 2,700,810, Cl. 25—41.
- Garnick, Philip, to Fisher-Pierce Co., Inc. 2,709,224, Cl. 250—239.
- Garnier, Georges, to Air-Equipment. 2,702,509, Cl. 103—126.
- Garnier, Georges, to Air-Equipment. 2,723,002, Cl. 184—6.
- Garr, Donald E., and M. A. Edwards, to General Electric Co. 2,709,449, Cl. 137—620.
- Garrahan, Philip G., to the United States of America as represented by the Secretary of the Army. 2,718,191, Cl. 102—49.
- Garrard Engineering and Mfg. Co., The: *See—*
- Stone, Leonard. 2,723,859.



- Garrett Corporation, The: *See*—  
 Breaux, Darlton K., Chapman, and Drexel. 2,706,255.  
 Crawford, James V., and Jensen. Re. 24,061.  
 Dallenbach, Frederick, and Schelp. 2,701,682.  
 Jensen, Raymond W. 2,698,568.  
 Morris, Charles W., and Jensen. 2,723,615.  
 Pattison, William J. 2,720,313.  
 Schelp, Helmut R. 2,720,091.  
 Shank, Clifford A., and Brown. 2,703,679.  
 Wood, Homer J. 2,703,674.  
 Wood, Homer J. 2,704,925.  
 Wood, Homer J. 2,709,567.
- Garrett, Francis A., to Canadian International Paper Co. 2,707,836, Cl. 34—124.
- Garrett, George K., Co., Inc.: *See*—  
 Borowsky, Francis J. 2,713,186.
- Garrett, Henry M.: *See*—  
 Hughes, Edward H., and H. M., and W. S. Garrett. 2,698,890.
- Garrett, Henry U., and C. M. Peters, to Garrett Oil Tools, Inc. 2,709,445, Cl. 137—155.
- Garrett Oil Tools, Inc.: *See*—  
 Garrett, Henry U., and Peters. 2,709,445.  
 Walton, Robert O. Re. 24,015.
- Garrett, Sherman S., W. I. Nissen, and R. L. Burchett, to Ronson Corp. 2,728,335, Cl. 126—38.
- Garrett, Wesley S.: *See*—  
 Hughes, Edward H., and H. M., and W. S. Garrett. 2,698,890.
- Garrison, Allen D.: *See*—  
 Teichmann, Charles F., and Garrison. 2,719,119.  
 Teichmann, Charles F., Ludeman, and Garrison. 2,702,789.
- Garrison, Allen D., to Texaco Development Corp. 2,724,068, Cl. 313—93.
- Garrison, Charles W., to The Standard Oil Co. 2,715,594, Cl. 134—22.
- Garrison, Edgar W., Jr.: *See*—  
 Murray, Royce L., McClure, and Garrison. Re. 23,930.
- Garrison, Frederic G. 2,718,207, Cl. 118—309.
- Garrison, Jack W., and R. F. Humphreys, to the United States of America as represented by the Secretary of the Army. 2,723,351, Cl. 250—83.6.
- Garrison, John B., and G. H. Vineyard, to the United States of America as represented by the Secretary of the Navy. 2,712,613, Cl. 315—1.
- Garrison, Marion A.: *See*—  
 Montgomery, Richard F., Koot, and Garrison. 2,726,848.
- Garrison, Marion A., to Regan Forge & Engineering Co. 2,699,921, Cl. 255—76.
- Garrison, Vance C. 2,705,166, Cl. 294—29.
- Garron, Louis W., and O. H. Pons, to Pilot Full-Fashion Mills, Inc. 2,706,389, Cl. 66—177.
- Garrow, Gerard L., to Blaw-Knox Co. 2,698,453, Cl. 15—256.5.
- Garson, Stanley P. 2,705,936, Cl. 116—100.
- Garst, Daniel A.: *See*—  
 Whittamore, James J. 2,706,002.
- Garstka, Walter U.: *See*—  
 Allen, Frank C., Glover, Garstka, and Posz. 2,701,472.
- Garthwait, Clyde W., Jr.: *See*—  
 Tuttle, Spencer C., and Garthwait. 2,722,005.
- Gartner, David, and W. H. Schneider; said Gartner assor. to said Schneider. 2,711,904, Cl. 279—1.
- Gartner, John H. 2,707,366, Cl. 56—400.08.
- Gartner, Stanley J.: *See*—  
 Reiter, William L., Gartner, and Roeber. 2,718,095.
- Gartner, Stanley J., to Sylvania Electric Products, Inc. 2,699,831, Cl. 164—68.
- Gartner, Stanley J., to Sylvania Electric Products Inc. 2,727,122, Cl. 219—4.
- Gartner, Stanley J., and H. J. Zwald, to Sylvania Electric Products Inc. 2,717,092, Cl. 214—658.
- Garvey, Edward S. Re. 24,029, Cl. 118—264.
- Garvey, James. 2,713,188, Cl. 25—8.
- Garvey, Louis P.: *See*—  
 Mackie, Harry A., and Garvey. 2,716,252.
- Garvie, Hugh A. 2,706,071, Cl. 223—102.
- Garvie, Hugh A. 2,708,805, Cl. 43—42.15.
- Gary, Hartwell H., Jr. 2,715,377, Cl. 113—121.
- Gary, Vern, and R. Rutherford, to W. J. Aiello, d. b. a. a sole proprietor under the firm name and style of Centreco. 2,728,600, Cl. 294—96.
- Garza, Luis R.: *See*—  
 Balleisen, Charles E., Doak, and Garza. 2,701,963.
- Gas Machinery Co., The: *See*—  
 Heller, John K. 2,728,329.  
 Krause, Arthur W. 2,709,128.  
 Stookey, Kenneth W., Steinwedell, and Kyle. 2,714,058.
- Gas Systems, Inc.: *See*—  
 Heller, John K. 2,708,947.
- Gasca, Albin, and J. Bugiel. 2,720,879, Cl. 128—214.
- Gaskell, Walter L., to King-Seeley Corp. 2,705,034, Cl. 144—251.
- Gaskell, Walter L., to King-Seeley Corp. 2,711,762, Cl. 143—36.
- Gaspar, Bela. 2,699,394, Cl. 95—88.
- Gasson, Edward J., A. M. Wild, I. K. M. Robson, and A. F. Millidge, to The Distillers Co. Ltd. 2,704,774, Cl. 260—638.
- Gassot, René J. L. 2,716,469, Cl. 188—90.
- Gaston, John R., to Electrocraft Co. 2,710,947, Cl. 336—60.
- Gastrock, Edward A., H. L. E. Vix, E. L. D'Aquin, J. J. Spadaro, and A. V. Graci, Jr., to the United States of America as represented by the Secretary of Agriculture. 2,726,253, Cl. 260—412.4.
- Gastrock, Edward A., H. L. E. Vix, E. L. D'Aquin, A. V. Graci, Jr., and J. J. Spadaro, to the United States of America as represented by the Secretary of Agriculture. 2,727,914, Cl. 260—412.4.
- Gate City Sash and Door Co.: *See*—  
 Jones, Earl P. 2,699,579.
- Gates, Charles C., Jr., to The Gates Rubber Co. 2,710,042, Cl. 154—14.
- Gates, Eugene H., Jr., to The R. W. Cramer Co., Inc. 2,722,297, Cl. 192—4.
- Gates, Harry F., to The Gates Rubber Co. 2,725,621, Cl. 29—413.
- Gates, John W., Jr., and H. S. Elins, to Eastman Kodak Co. 2,713,575, Cl. 260—117.
- Gates Rubber Co., The: *See*—  
 Gates, Charles C., Jr. 2,710,042.  
 Gates, Harry F. 2,725,621.  
 Haury, Earl R. 2,699,575.  
 Steckel, Elmer A., and Pasqua. 2,709,475.  
 White, Edward J. 2,706,509.
- Gates, William O., and R. R. Perron, to United Shoe Machinery Corp. 2,721,989, Cl. 340—174.
- Gathercoal, Frank H., to J. D. Gathercoal. 2,718,856, Cl. 111—71.
- Gathercoal, Joseph D.: *See*—  
 Gathercoal, Frank H. 2,718,856.
- Gathercole, Evan F. J.: *See*—  
 Wills, Sydney A., and Gathercole. 2,718,064.  
 Wills, Sydney A., and Gathercole. 2,720,034.
- Gathman, Albert: *See*—  
 Peterson, Harry W., Jr., Henn, and Gathman. 2,719,105.
- Gatke, Thomas L. 2,728,700, Cl. 154—52.
- Gattuso, Henry A. 2,702,001, Cl. 101—124.
- Gaty, Lee S. 2,711,217, Cl. 161—10.
- Gätzl, Karl, and P. Müller, to J. R. Geigy A. G. 2,724,678, Cl. 167—33.
- Gau, Paul: *See*—  
 Moynihan, Thomas F., and Gau. 2,727,650.
- Gaubatz, Arthur W.: *See*—  
 Gardiner, Arthur W., Gaubatz, Nickel, Dolza, and Perish. 2,708,426.
- Gaubatz, Arthur W., to General Motors Corp. 2,699,040, Cl. 60—39.65.
- Gaucher, Leon P.: *See*—  
 Eastman, Du Bois, and Gaucher. 2,701,756.
- Gaucher, Leon P., to The Texas Co. 2,725,933, Cl. 158—99.
- Gaudillere, Pierre. 2,727,231, Cl. 343—105.
- Gaudin, Antoine M., to the United States of America as represented by the United States Atomic Energy Commission. 2,707,555, Cl. 209—72.
- Gaudin, Charles, ½ to A. Ritz and R. F. Sechaud. 2,702,610, Cl. 188—129.
- Gaugain, Emile P. M.: *See*—  
 Henquet, André J., and Gaugain. 2,719,882.
- Gaugler, Richard S.: *See*—  
 Miller, Edwin J., and Gaugler. 2,709,228.
- Gaugler, Richard S., to General Motors Corp. 2,702,460, Cl. 62—126.
- Gaul, Edward M., E. M. Marks, and W. H. Oldham, to International Harvester Co. 2,711,081, Cl. 62—2.
- Gaul, Max, to H. Sickinger. 2,710,791, Cl. 41—42.
- Gault, Donald W., to Clark Equipment Co. 2,722,327, Cl. 214—653.
- Gaumont, Monte: *See*—  
 Paltiel, Ephraim, and Gaumont. 2,723,414.
- Gaunt, Alfred, N. K. Earle, and H. J. Ross, to T. F. Firth and Sons Ltd. and Imperial Chemical Industries Ltd. 2,712,683, Cl. 28—74.
- Gaunt, William E.: *See*—  
 Jurist, Alfred E., Burke, and Gaunt. 2,719,103.
- Gause, Russell H.: *See*—  
 Muller, Werner C., and Gause. 2,707,164.
- Gausman, Alfred, to Henry Heide, Inc. 2,702,111, Cl. 198—30.
- Gauthier, Alfred, G. m. b. H.: *See*—  
 Rentschler, Karl. 2,727,445.
- Gautier, Claud T.: *See*—  
 Shinn, Guy C., and Gautier. 2,722,433.
- Gautier, Jacques H., to Société Anonyme Française du Ferodo. 2,718,796, Cl. 74—677.
- Gauvreau, Joseph E., to E. F. Kemp Corp. 2,721,019, Cl. 226—68.
- Gaver, Kenneth M., E. P. Lasure, and L. M. Thomas, to The Keefer Starch Co. 2,725,362, Cl. 260—9.
- Gaver, Raymond H., to The American Welding & Mfg. Co. 2,712,861, Cl. 188—199.
- Gavin, John A., to Tobe Deutschmann Corp. 2,707,267 Cl. 324—52.
- Gay-Bell Corp.: *See*—  
 Bell, Harry G., and Gay. 2,712,407.
- Gay, Frazer W. 2,722,107, Cl. 62—6.
- Gay, Fred G., Jr.: *See*—  
 Stegeman, Raymond F. E., and Gay. 2,715,223.
- Gay, Jacob D., Jr.: *See*—  
 Bell, Harry G., and Gay. 2,712,407.
- Gaydos, Donald C. 2,708,281, Cl. 15—102.



- Gaylord Container Corp.: *See*—  
Claus, Paul E. 2,700,328.  
Fallert, Clifford D. 2,706,595.  
Gaylord, Clifford W. 2,710,135.  
George, Walter C. 2,722,341.  
Griswold, Walter R. 2,726,584.  
Jamieson, Merwin M. 2,718,996.  
Klasing, Arthur P. 2,701,013.  
Nye, William T. 2,721,689.  
Repking, Edward F., Fallert, and George. 2,713,964.  
Repking, Edward F., and Wasyluka. 2,710,133.  
Strauss, Herman H. 2,714,982.  
Wasyluka, Paul. 2,717,713.  
Wasyluka, Paul. 2,723,797.  
Wasyluka, Paul. 2,724,495.  
Whalley, George E. 2,706,099.
- Gaylord, Clifford W., to Gaylord Container Corp. 2,710,135, Cl. 229—52.  
Gaylord, James K., to Gaylord Products, Inc. 2,712,474, Cl. 301—37.  
Gaylord, James K., to Gaylord Products, Inc. 2,719,757, Cl. 301—37.  
Gaylord, James K., to Gaylord Products, Inc. 2,727,790, Cl. 301—37.  
Gaylord, James K., and P. T. Hahn, to Gaylord Products, Inc. 2,704,798, Cl. 201—48.  
Gaylord, John A. 2,716,010, Cl. 244—150.  
Gaylord Products, Inc.: *See*—  
Gaylord, James K. 2,712,474.  
Gaylord, James K. 2,719,757.  
Gaylord, James K. 2,727,790.  
Gaylord, James K., and Hahn. 2,704,798.  
Weaver, Ruth K., and Hahn. 2,698,623.
- Gayman, William H.: *See*—  
Carlstrand, Ralph H., Howard, and Gayman. 2,711,648.
- Gayne, Arnold C.: *See*—  
Rowe, Orville M., Wood, and Gayne. 2,700,827.
- Gaynor, Frank A.: *See*—  
Yates, Charles G., Jr., and Gaynor. 2,705,116.
- Gazda, Antoine. 2,714,283, Cl. 58—46.  
Gazda, Antoine. 2,714,284, Cl. 58—80.  
Gazelle, Rolland J.,  $\frac{1}{2}$  to W. T. Anderson. 2,722,020, Cl. 9—20.  
Gazelle, Rolland J.,  $\frac{1}{2}$  to W. T. Anderson. 2,722,425, Cl. 273—142.  
Gazette, Marshall E. 2,701,506, Cl. 93—55.1.  
Gazzo, Franklin L. 2,708,005, Cl. 180—82.  
Gdovichin, George G., and P. Bogdanski. 2,709,583, Cl. 268—65.
- Gear, Eli C., to General Mills, Inc. 2,699,869, Cl. 209—127.  
Gear, Eli C., and W. A. Brastad, to General Mills, Inc. 2,707,556, Cl. 209—127.  
Gear, Harry C., to Sutton, Steele and Steele. 2,722,312, Cl. 209—19.
- Geary, Eugene W., to Columbia-Southern Chemical Corp. 2,725,951, Cl. 183—21.  
Geary, Frederick L., to United Aircraft Corp. 2,714,285, Cl. 60—35.6.
- Geaugue, Robert E.: *See*—  
Laub, Herman, III. 2,705,622.
- Gebel, Irving: *See*—  
Soreng, Edgar M., and Gebel. 2,720,564.
- Gebele, Kurt, to F. W. and H. Deckel. 2,715,357, Cl. 95—11.5.  
Gebele, Kurt, to H. and F. W. Deckel. 2,728,279, Cl. 95—11.5.  
Gebert, Russell C., to James Lees and Sons Co. 2,708,457, Cl. 139—403.  
Gebert, Russell C., to James Lees and Sons Co. 2,708,458, Cl. 139—405.  
Gebhardt, Willard A., and E. J. Radtke. 2,703,223, Cl. 257—9.
- Gebhart, Arthur I., and I. J. Krems, to Colgate-Palmolive Co. 2,721,847, Cl. 252—152.
- Gebr. Böhler & Co. Aktiengesellschaft: *See*—  
Hummitzsch, Werner, and Ablasser. 2,704,317.
- Gebr. Boehringer G. m. b. H.: *See*—  
Scheller, Curt. 2,705,879.  
Scheller, Curt. 2,708,840.
- Gebr. Stäubli & Co.: *See*—  
Stäubli, Heinrich H. 2,705,505.  
Stäubli, Heinrich H. 2,705,506.  
Widmer, Adolf. 2,727,538.
- Gebr. Stork & Co.'s Apparatenfabrik N. V.: *See*—  
Van der Winden, Johannes B. 2,719,478.
- Gebrüder Buhler: *See*—  
Arquint, Johann A. 2,714,533.  
Stücheli, Alois. 2,703,648.
- Gebrüder Junghans A. G.: *See*—  
Bauerle, Kurt. 2,724,235.  
Van der Kaa, Jean J. A., and Kopp. 2,728,245.  
Junghans, Helmut, and Haas. 2,707,370.  
Junghans, Helmut, and Hartner. 2,707,861.  
Junghans, Helmut, and Küss. 2,701,439.
- Gebrüder Linck Maschinenfabrik und Eisengiesserei "Gatterlinck": *See*—  
Traben, Josef. 2,720,228.
- Gebrüder, Schweiger: *See*—  
Schweiger, Karl, Leuser, and Meyer. 2,699,148.
- Gebis, Richard W., and B. W. Ridley. 2,718,205, Cl. 114—240.  
Gedde, Erik, to American Can Co. 2,708,893, Cl. 113—12.  
Gedde, Erik, to American Can Co. 2,719,037, Cl. 271—3.  
Geddes, Ben W.: *See*—  
Wasson, Jones I., and Geddes. 2,711,374.
- Geddes, Walter H., to United Aircraft Products, Inc. 2,725,069, Cl. 137—110.
- Geddis, George K., and R. A. Laplante; said Geddis assor. to said Laplante. 2,716,288, Cl. 33—188.  
Gee, Ming. 2,714,383, Cl. 131—70.  
Gee, Robert E.: *See*—  
Hamblet, Clement H., and Gee. 2,713,067.
- Gee, William P., to Texaco Development Corp. 2,702,080, Cl. 158—104.
- Geer, Charles W. 2,705,765, Cl. 315—21.  
Geer, Harold C., and G. D. Wiggers. 2,721,620, Cl. 183—2.5.  
Geer, Max R., and M. J. Klein, to the United States of America as represented by the Solicitor of the Department of the Interior. 2,708,360, Cl. 73—32.
- Geerds, Henry A., to Holland Hitch Co. 2,718,411, Cl. 280—438.
- Geertsen, Nelson, to American Can Co. 2,712,870, Cl. 209—91.
- Geffen, James H., to Clay-Adams, Inc. 2,726,549, Cl. 73—425.4.
- Geffroy, Georges, to La Cellophane. 2,699,286, Cl. 229—62.  
Geffroy, Robert R. L. 2,702,561, Cl. 137—98.
- Gegenheimer, Harold W., to Miller Printing Machinery Co. 2,708,405, Cl. 101—234.  
Gegenheimer, Harold W., to Miller Printing Machinery Co. 2,712,935, Cl. 271—53.
- Gehman, John B., to Radio Corp. of America. 2,713,162, Cl. 343—103.
- Gehner, Maurice A., to Carter Carburetor Corp. 2,705,135, Cl. 261—41.
- Gehre, Hans. 2,699,678, Cl. 73—203.  
Gehri, Fritz H. 2,716,027, Cl. 272—83.
- Gehrie, Charles S., to Presto Lock Co. 2,720,773, Cl. 70—70.  
Gehrie, Charles S., to Presto Lock Co. 2,720,774, Cl. 70—71.
- Gehrig, Walter. 2,710,479, Cl. 43—43.1.  
Gehrig, Walter. 2,710,480, Cl. 43—43.15.
- Gehrke, George R.: *See*—  
Clay, Eugene O., and Gehrke. 2,704,387.
- Geier, George H. 2,725,622, Cl. 30—6.1.
- Geier, Robert G.: *See*—  
Fenske, Merrell R., and Geier. 2,723,940.
- Geiger, Emil, and W. Maag, to Egli & Co. Corsetfabrik A. G. 2,703,883, Cl. 2—37.
- Geiger, Ethelbert. 2,721,548, Cl. 126—280.  
Geiger, George H. 2,720,475, Cl. 154—2.6.  
Geiger, Harold L., to Ford Motor Co. 2,716,501, Cl. 214—313.  
Geiger, Russell C., and D. A. Meeker, to The Hobart Mfg. Co. 2,707,961, Cl. 134—58.
- Geiger, Walter T.: *See*—  
Shelton, Malcolm C., and Geiger. 2,709,287.
- Geiger, Willard L.: *See*—  
Wescott, George A., Jr., and Geiger. 2,704,339.
- Geigy Chemical Corp.: *See*—  
Feigin, Robert, and Schwartz. 2,721,824.
- Geigy, J. R., A. G.: *See*—  
Biedermann, Robert. 2,716,098.  
Bindler, Jakob. 2,717,270.  
Bindler, Jakob, and Model. 2,703,332.  
Bossard, Werner, and Bitterlin. 2,727,887.  
Bossard, Werner, and Gygax. 2,724,722.  
Conzetti, Achilles. 2,711,406.  
Conzetti, Achilles. 2,714,103.  
Gätzl, Karl, and Müller. 2,724,678.  
Girod, Emil. 2,708,207.  
Girod, Emil, and Häfner. 2,708,206.  
Häfner, Franz. 2,700,670.  
Häfner, Franz. 2,700,671.  
Hindermann, Peter. 2,714,589.  
Keller, Ernst. 2,714,588.  
Kuster, Werner, and Schetty. 2,723,263.  
Schetty, Guido. 2,711,404.  
Schetty, Guido. 2,714,102.  
Schetty, Guido, and Kuster. 2,709,167.  
Schläpfer, Hans, and Bindler. 2,709,178.  
Stoll, Willy, and Litvan. 2,727,060.  
Zweidler, Reinhard, and Keller. 2,713,057.
- Geigy, J. R., S. A.: *See*—  
Keller, Ernst. 2,705,708.  
Reding, Marcel, and Bossard. 2,707,182.  
Reding, Marcel, and Bossard. 2,707,183.
- Geimer, Cornelius J., to Freeman Mfg. Co. 2,698,939, Cl. 2—39.
- Geise, Alvin E., 20% to G. A. Geise, and 20% to M. Likely. 2,713,972, Cl. 236—12.
- Geise, Gordon A.: *See*—  
Geise, Alvin E. 2,713,972.
- Geisel, Wilhelm: *See*—  
Michelitsch, Walter, and Geisel. 2,712,557.
- Geiselman, Ralph A., and E. J. Cham, to Westinghouse Electric Corp. 2,700,113, Cl. 307—58.
- Geiser, Edward M.: *See*—  
Bloch, Herman S., and Geiser. 2,698,870.
- Geiser, Nikolaus: *See*—  
Tramm, Heinrich, Geiser, and Kolling. 2,705,734.
- Geisler, Alfred H., E. T. Asp, and B. F. Decker, to General Electric Co. 2,713,125, Cl. 250—52.
- Geisler, William, to Wilbro Corp. 2,709,559, Cl. 248—120.
- Geisselsöder, Albrecht R.: *See*—  
Eisele, Josef H., and Geisselsöder. 2,698,918.
- Gelardin, Albert. 2,710,887, Cl. 136—133.
- Gelatin Research Society of America, Inc.: *See*—  
Tice, Linwood F. 2,704,269.
- Geldhof, Peter E., and L. Ringer, to Whirlpool Corp. Re. 24,016, Cl. 68—23.
- Geldhof, Peter E., and L. Ringer, to Whirlpool Corp. 2,726,558, Cl. 74—785.



- Geller, James W. 2,720,802, Cl. 81—15.  
 Geller, James W. 2,722,917, Cl. 121—3.  
 Geller, Joseph J. 2,710,131, Cl. 229—15.  
 Geller, Julius, to Rutgerswerke-Aktiengesellschaft. 2,702,269, Cl. 202—121.  
 Geller, Julius, and H. Ratte, to Rutgerswerke-Aktiengesellschaft. 2,717,232, Cl. 202—40.  
 Gellert, Carl and F. 2,705,819, Cl. 20—70.  
 Gellert, Fred: *See—*  
 Gellert, Carl and F. 2,705,819.  
 Gellert, Hans-Georg: *See—*  
 Ziegler, Karl, and G. 2,699,457.  
 Gelles, Alice, to Campaign Cravats, Inc. 2,709,260, Cl. 2—146.  
 Gellman, Allen B. 2,720,208, Cl. 132—83.  
 Gellman, Benjamin. 2,704,367, Cl. 2—199.  
 Gellman Mfg. Co.: *See—*  
 Hansen, Warren. 2,723,088.  
 Petskeyes, Charles H. 2,719,499.  
 Gelmart Knitting Mills, Inc.: *See—*  
 Ducharme, Victor. 2,701,458.  
 Gelpi, Maurice J.: *See—*  
 Mohr, Glenn R., and Gelpi. 2,727,113.  
 Gelzenlichter, Harriet A.: *See—*  
 Hazeltine, James E., Jr., and Gelzenlichter. 2,705,683.  
 Gelzheiser, Francis L.: *See—*  
 Walker, Eugene J., and Gelzheiser. 2,709,729.  
 Gelzheiser, Francis L., to Westinghouse Electric Corp. 2,703,827, Cl. 200—18.  
 Gelzheiser, Francis L., and S. S. Dobrosielski, to Westinghouse Electric Corp. 2,719,203, Cl. 200—144.  
 Gemmel, Wilbur R., to Teletype Corp. 2,728,811, Cl. 178—4.1.  
 Gemmer Mfg. Co.: *See—*  
 Hammond, Charles F. Re. 23,978.  
 Hammond, Charles F. 2,698,579.  
 Hammond, Charles F. 2,707,375.  
 Hammond, Charles F. 2,724,977.  
 Gempp, Adolf: *See—*  
 Zutavern, Philipp, Gempp, and Mothes. 2,712,018.  
 Gempff, Alfons H.: *See—*  
 Dunnican, George W., and Gempff. 2,728,510.  
 Genarco, Inc.: *See—*  
 Millie, Orrin. 2,704,817.  
 Gency, William E., and A. M. Starck, to A. M. S. Corp. 2,707,312, Cl. 20—49.  
 Gendron, Everett W. 2,705,264, Cl. 179—146.  
 Gendron, Wellington L. M. 2,712,706, Cl. 43—17.2.  
 Genender, Victor: *See—*  
 Silverstein, Isidore, Lipschultz, and Genender. 2,707,296.  
 General Air Products Corp.: *See—*  
 Ross, Harry R., and Gantz. 2,727,383.  
 General American Transportation Corp.: *See—*  
 Talmey, Paul, and Crehan. 2,717,218.  
 General Aniline & Film Corp.: *See—*  
 Altmann, George O. 2,720,453.  
 Ansporn, Harry D. 2,704,770.  
 Ansporn, Harry D. 2,719,836.  
 Beller, Hans, and Hosmer. 2,706,701.  
 Botkin, Carl, and Sulich. 2,727,820.  
 Brouillard, Robert E. 2,716,649.  
 Buc, Saul R. 2,699,386.  
 Buc, Saul R. 2,704,299.  
 Buc, Saul R. 2,721,211.  
 Buc, Saul R. 2,728,794.  
 Clayton, William G. 2,715,358.  
 Copenhaver, John W. 2,723,287.  
 Eckler, Leopold, and Mueller. 2,710,256.  
 Eloffson, Richard M. 2,700,021.  
 Frederick, Joseph E. 2,709,655.  
 Greif, Karl J. 2,704,007.  
 Hennessey, John H., and Choquette. 2,722,489.  
 Hensley, Lee C. 2,701,766.  
 Herrick, Clifford E., Jr., and Balk. 2,699,392.  
 Herrick, Clifford E., Jr., and Balk. 2,703,756.  
 Hoefle, Milton L., Randall, and Renfrew. 2,704,292.  
 Hoefle, Milton L., Randall, and Renfrew. 2,722,535.  
 Hoefle, Milton L., Randall, and Renfrew. 2,722,536.  
 Hoefle, Milton L., Randall, and Renfrew. 2,723,279.  
 Kartinos, Nicholas J., and Normington. 2,708,149.  
 Kinney, Paul W. 2,702,277.  
 Lawsberg, Charles L. 2,722,488.  
 Libby, William H., and Freyermuth. 2,723,197.  
 McKinley, Clyde, Fahnoe, and Fuller. 2,712,560.  
 Meier, Juerg A., and Shrader. 2,715,127.  
 Moessinger, John C. 2,720,538.  
 Mueller, Fritz W. H. 2,699,391.  
 Mulvaney, John F., and Shrader. 2,715,126.  
 Owen, Emily M., and Buc. 2,711,397.  
 Randall, David I. 2,728,774.  
 Randall, David I., and Martin. 2,703,321.  
 Randall, David I., and Renfrew. 2,722,534.  
 Randall, David I., and Renfrew. 2,727,903.  
 Roberts, Stiles M. 2,723,288.  
 Rottschaefer, Bernard W., and Plue. 2,703,801.  
 Sanders, Herbert L. 2,703,797.  
 Shelanski, Herman A. 2,707,959.  
 Sprung, Joseph A. 2,704,709.  
 Sprung, Joseph A. 2,704,710.  
 Sprung, Joseph A., and Schmidt. 2,708,625.  
 Stanley, Lester N., and Baggenstoss. 2,707,181.  
 Strobel, Albert F., and Williams. 2,723,996.  
 Sulich, John, Jr. 2,717,832.  
 Tulagin, Vsevolod. 2,705,200.  
 General Aniline & Film Corp.: *See—Continued.*  
 Tulagin, Vsevolod. 2,705,201.  
 Tulagin, Vsevolod. 2,727,062.  
 Tulagin, Vsevolod. 2,727,821.  
 Tulagin, Vsevolod. 2,728,669.  
 Tulagin, Vsevolod, and Coles. 2,717,831.  
 Von Glahn, William H., and Stanley. 2,706,142.  
 Wallace, William E., and Richter. 2,728,761.  
 Williams, William W., and Freyermuth. 2,700,665.  
 Williams, William W., and Freyermuth. 2,709,702.  
 Williams, William W., and Freyermuth. 2,713,046.  
 Wright, George C. 2,723,248.  
 Wynn, Robert W. 2,711,426.  
 Yeager, John A. 2,709,536.  
 General Bandages, Inc.: *See—*  
 Hamm, Homer A. 2,703,573.  
 General Binding Corp.: *See—*  
 Fritz, William L. 2,722,747.  
 General Bronze Corp.: *See—*  
 Hauck, Theodore. 2,703,158.  
 General Cellulose Co., Inc., The: *See—*  
 Taggart, Donald C. 2,707,289.  
 General Cement Mfg. Co.: *See—*  
 Aleks, Vytant. 2,728,896.  
 General Cigar Co., Inc.: *See—*  
 Frankenburg, Walter G. 2,706,695.  
 General Closure Corp.: *See—*  
 Rathsprecher, David. 2,700,484.  
 General Container Corp.: *See—*  
 Sheard, William G. 2,706,591.  
 General Controls Co.: *See—*  
 Biggle, Laurence C. 2,725,889.  
 Cairns, Frederick E., Jr. 2,720,614.  
 Grayson, Richard D. 2,702,052.  
 Hotchkiss, Clifford. 2,722,977.  
 Ray, William A. 2,700,393.  
 Ray, William A. 2,703,095.  
 Ray, William A. 2,705,045.  
 Ray, William A. 2,707,518.  
 Ray, William A. 2,716,394.  
 Ray, William A. 2,719,939.  
 Ray, William A. 2,726,359.  
 Strid, Carl J. 2,722,398.  
 Sutterfield, Noel H., and Elo. 2,722,881.  
 Wilson, Keith E. 2,722,451.  
 General Dry Batteries, Inc.: *See—*  
 MacFarland, Allison M. 2,704,780.  
 General Dynamics: *See—*  
 Birdsall, Edwin H. 2,716,893.  
 Boscia, Archie F. 2,724,050.  
 Enslein, Kurt. 2,727,994.  
 Erikson, Walter H., and Rossbacher. 2,721,743.  
 Fisher, Charles R., Jr. 2,723,313.  
 Flood, Edmund L. 2,726,688.  
 Gratian, Joseph W., and Cole. 2,725,430.  
 Higgins, Alfred P., and Gordon. 2,720,686.  
 Kessler, Frank, and Pharis. 2,726,284.  
 Krumhansl, James A., and Miller. 2,721,899.  
 McNaney, Joseph T. 2,718,611.  
 McNaney, Joseph T. 2,721,990.  
 McNaney, Joseph T. 2,728,873.  
 Meeker, Willard F., and Slaymaker. 2,727,423.  
 Miller, Otto H. 2,726,637.  
 Morris, Frank A. 2,719,225.  
 Murray, James S. 2,725,427.  
 Pharis, William W. 2,721,902.  
 Pharis, William W. 2,725,429.  
 Pritchard, Donald J. 2,710,113.  
 Reagan, Leon H. 2,726,285.  
 Rudis, Joseph T., and Boody. 2,721,750.  
 Saville, William S. 2,703,109.  
 Sherman, Kenneth C. 2,719,039.  
 Sherman, Kenneth C. 2,724,593.  
 Trousdale, Robert B. 2,721,938.  
 Werner, Robert V. 2,725,528.  
 General Electric Co.: *See—*  
 Agens, Maynard C. 2,714,585.  
 Albrecht, Warren F. 2,708,702.  
 Albright, Merritt W., and Foudy. 2,717,338.  
 Alford, Joseph S., and Warner. 2,713,767.  
 Allyn, Charles C. 2,712,059.  
 Anderson, James T., and Ward. 2,726,966.  
 Anderson, Richard E. 2,725,494.  
 Anderson, Robert M. 2,722,355.  
 Anderson, Roy E. 2,701,336.  
 Andrews, John L. 2,711,179.  
 Arone, Nicholas F. 2,701,776.  
 Arone, Nicholas F. 2,717,216.  
 Atchison, Leonard W. 2,724,629.  
 Avery, Howard W. 2,709,421.  
 Bacon, Bernard R. 2,712,102.  
 Bain, James, Jr., and Ott. 2,703,609.  
 Baird, Douglas O. 2,721,926.  
 Baird, Leslie L. 2,723,329.  
 Baker, John H. 2,699,646.  
 Balentine, Conrad J. 2,717,294.  
 Barlow, Daniel P. 2,715,672.  
 Barr, James R. 2,722,679.  
 Beattie, Clare E. 2,712,624.  
 Beringer, Jack E. 2,719,011.  
 Bechard, Conrad E., and Schoenoff. 2,711,791.  
 Beckwith, Robert W. 2,712,600.  
 Bell, James. 2,708,247.  
 Benander, George B. 2,700,142.



General Electric Co.: See—Continued.

General Electric Co.: See—Continued.

- Benander, George B. 2,705,785.  
 Benander, George B. 2,705,787.  
 Benander, George B. 2,718,626.  
 Benander, George B. 2,723,385.  
 Berkey, Donald C. 2,699,648.  
 Bivens, Maurice E., and Hills. 2,721,302.  
 Bixler, Harley H. 2,724,548.  
 Bjontegard, Arthur M. 2,717,307.  
 Blatchford, Clair W. 2,713,250.  
 Bliss, Charles H., and Wallace. 2,728,061.  
 Blowney, John S. 2,705,902.  
 Bluestein, Ben A. 2,709,176.  
 Bluestein, Ben A. 2,717,257.  
 Bochan, John. 2,712,746.  
 Bousman, Henry W. 2,719,262.  
 Bovenkerk, Harold P. 2,700,633.  
 Bowtell, James N. 2,722,631.  
 Boyles, Robert L. 2,721,441.  
 Brancke, Carl A. 2,728,864.  
 Breeding, Harold A. 2,723,366.  
 Britten, Harold H., and Hartman. 2,700,748.  
 Buehne, Willis G. 2,712,052.  
 Bundy, Francis P. 2,717,319.  
 Burgess, Neil. 2,718,350.  
 Bush, Ralph R., and Favre. 2,726,295.  
 Carlson, Morris W. 2,726,299.  
 Carrell, John R. 2,704,927.  
 Cashell, John G. 2,715,080.  
 Cates, Julius, and Jenkins. 2,722,628.  
 Clapp, Charles W. 2,723,350.  
 Clark, Edward B. 2,708,122.  
 Clark, Howard L. 2,720,111.  
 Clark, Kendall. 2,703,974.  
 Clark, Kendall. 2,718,711.  
 Clark, Kendall. 2,726,529.  
 Coffey, William N. 2,713,651.  
 Cohen, David. 2,728,428.  
 Cohen, Merrill, and Ladd. 2,716,638.  
 Columbe, Maynard. 2,728,840.  
 Cooper, Glenn D. 2,719,165.  
 Cooper, James M. 2,717,132.  
 Cooper, Kenneth K. 2,728,351.  
 Cooper, Kenneth K., and Dubberley. 2,726,032.  
 Copeland, William M. 2,719,739.  
 Cottle, Donald W. 2,699,070.  
 Craick, William, Milne, and Taylor. 2,700,138.  
 Crawford, Samuel W. 2,700,871.  
 Cressman, George W. 2,711,640.  
 Cressman, George W., Kotsch, and Severin. 2,726,965.  
 Cronin, Edward F. 2,719,875.  
 Crouch, Donald W., Snell, and Carpenter. 2,728,016.  
 Crowley, George C., Holmes, and Check. 2,704,803.  
 Cruickshank, Ira G. 2,704,922.  
 Culbertson, Robert J., and Slonneger. 2,722,613.  
 Cummings, Harold R. 2,703,373.  
 Cummins, Robert K., and Sommer. 2,726,487.  
 Dally, Roy. 2,711,322.  
 Dayton, Carl S. 2,720,953.  
 De Buzareinques, Jacques B. 2,704,518.  
 De Carli, Earl V. 2,699,664.  
 Dennler, William H. 2,725,588.  
 De Noyers, Emil J. 2,728,820.  
 De Santis, Vincent J., and Manfredi. 2,723,363.  
 Dickey, Fred E., and Hobbs. 2,722,659.  
 Dickinson, Theodore M. 2,701,304.  
 Dills, Raymond L. 2,712,731.  
 Dills, Raymond L. 2,712,735.  
 Dills, Raymond L. 2,721,026.  
 Dills, Raymond L. 2,721,028.  
 Dills, Raymond L. 2,721,280.  
 Dilts, Lee E. 2,700,154.  
 Dinger, Edward H., and Mickelson. 2,721,262.  
 Dochterman, Richard W. 2,722,618.  
 Donaldson, Warren J. 2,702,324.  
 Dresios, Samuel C., and Briggs. 2,717,945.  
 Dunlap, William C., Jr. 2,724,077.  
 Dunlap, William C., Jr. 2,725,504.  
 Dunlap, William C., Jr. 2,726,312.  
 Dunn, Cecil G. 2,700,006.  
 Durst, Paul H., and Johnson. 2,719,545.  
 Eckel, John F. 2,709,144.  
 Eckel, John F. 2,712,993.  
 Edwards, Keith A. 2,712,747.  
 Edwards, Keith A., and Buechler. 2,712,748.  
 Edwards, Martin A. 2,727,201.  
 Ellenberger, Francis R. 2,704,649.  
 Ellenberger, Francis R. 2,728,197.  
 Elliott, Marvel A. 2,711,503.  
 Erickson, Clifford E. 2,720,037.  
 Erickson, Clifford E., and Graham. 2,701,421.  
 Ericson, Franklin R. 2,702,688.  
 Erikson, Bror W. 2,728,879.  
 Erzer, John K. 2,719,491.  
 Evans, Charles E., and Rohde. 2,726,843.  
 Farnon, Robert B. 2,705,750.  
 Faus, Harold T. 2,721,479.  
 Faus, Harold T., and Ridgley. 2,712,563.  
 Feiertag, Karl M. 2,701,318.  
 Feiertag, Karl M. 2,723,359.  
 Filia, George J. 2,699,662.  
 Filia, George J. 2,707,404.  
 Fiske, Milan D. 2,713,161.  
 Fiske, Milan D. 2,725,531.  
 Flynn, Edward J., and Young. 2,700,212.  
 Foley, Robert T., and McCarty. 2,717,296.  
 Fonda, Gorton R. 2,727,863.  
 Fowler, Francis R. 2,728,233.  
 Frere, Clarence, and Grothouse. 2,712,669.  
 Frisch, Kurt C. 2,711,417.  
 Fullam, Ernest F. 2,719,456.  
 Fullerton, Herbert P. 2,713,095.  
 Gabrielson, Samuel, and Bakke. 2,704,457.  
 Gallagher, Charles J. 2,725,318.  
 Garr, Donald E., and Edwards. 2,709,449.  
 Geisler, Alfred H., Asp, and Decker. 2,713,125.  
 Gilbert, Alfred R. 2,717,902.  
 Gethmann, Richard B. 2,723,362.  
 Goodrich, Frank S. 2,707,310.  
 Gordy, Thomas D. 2,698,924.  
 Grannan, William D. 2,716,697.  
 Greenhalgh, Milton S., and Martens. 2,708,173.  
 Grimshaw, Charles S. 2,711,079.  
 Grimshaw, Charles S. 2,718,122.  
 Grimshaw, Charles S. 2,721,029.  
 Grubb, Willard T., Jr. 2,716,632.  
 Grube, Frederick J., and Demchok. 2,719,546.  
 Gruen, Wolf J. 2,704,812.  
 Gunton, Frank D. 2,717,326.  
 Gurewitsch, Anatole M., and Pollock. 2,701,909.  
 Haine, Michael E. 2,727,204.  
 Hall, Howard T. 2,728,651.  
 Hall, Robert N. 2,705,767.  
 Hall, Robert N. 2,717,343.  
 Hall, Robert N. 2,721,965.  
 Hall, Robert N., and Burch. 2,714,183.  
 Halttunen, Martin A. 2,706,025.  
 Hammell, Kemper M., and Warhus. 2,723,737.  
 Hammerly, Herman J. 2,719,423.  
 Hammerly, Herman J., Casey, and Yeamans. 2,701,894.  
 Hardesty, Robert A., and Kessler. 2,721,701.  
 Harse, Douglas H. 2,702,888.  
 Haviland, Robert P. 2,711,290.  
 Heintz, Milton L. 2,717,288.  
 Henderson, Wayne L. R. 2,713,666.  
 Henderson, Wayne L., and Haymaker. 2,704,181.  
 Herbst, Robert S. 2,699,922.  
 Herman, Clairmont J. 2,701,317.  
 Hilliker, Donald E. 2,725,723.  
 Hodge, William F. 2,705,310.  
 Hohl, John S., and Davis. 2,699,502.  
 Holdstock, Norman G. 2,714,115.  
 Hollister, Edwin S. 2,725,816.  
 Hollopetre, John H., and Anthony. 2,701,588.  
 Holmgren, Viking R. 2,723,358.  
 Horvay, Julius B. 2,701,454.  
 Horvay, Julius B. 2,718,125.  
 Horvay, Julius B. 2,720,674.  
 Howard, Alan. 2,711,074.  
 Howe, John P., and Katucki. 2,706,716.  
 Hubacker, Earl F. 2,728,883.  
 Huelsman, Arthur H. 2,709,236.  
 Hull, Clifford O. 2,727,087.  
 Hurford, Winslow L. 2,725,475.  
 Hurt, William C., Jr. 2,702,936.  
 Hutt, Philip. 2,723,317.  
 Irby, William. 2,701,285.  
 Isaacs, George G., and Nelson. 2,714,686.  
 Isaacs, George G., and Nelson. 2,714,687.  
 Jackson, Edwin J., and Gardiner. 2,699,524.  
 Jacobi, George T. 2,728,881.  
 Jacobs, John E. 2,706,790.  
 Jacobs, John E. 2,706,792.  
 Jacobs, John E., and Frerichs. 2,706,791.  
 Jacobson, John W. 2,706,383.  
 Janos, Alfred G., and Roberts. 2,724,244.  
 Jenkins, Henry G. 2,714,683.  
 Jennings, Frederic B. 2,714,310.  
 Jewell, William R. 2,700,139.  
 Jewell, William R. 2,711,943.  
 Johnsen, Robert O., and Hills. 2,711,506.  
 Johnson, Arthur R. 2,699,294.  
 Johnson, Frithiof V. 2,718,788.  
 Johnson, Ramond J. 2,699,681.  
 Johnson, Wallace M. 2,702,375.  
 Johnson, Wallace M. 2,714,700.  
 Kalikow, Irving. 2,703,847.  
 Kantor, Simon W. 2,717,258.  
 Kather, William S. 2,713,545.  
 Keiffer, Raymond L. 2,719,937.  
 Keiffer, Raymond L., and Inman. 2,714,681.  
 Kerr, Thomas A. 2,708,234.  
 Kessler, George W. 2,702,692.  
 King, Ralph E. 2,705,877.  
 King, Ralph E. 2,712,733.  
 King, Ralph E. 2,728,203.  
 Kingdon, Kenneth H., and Pollock. 2,701,352.  
 Kirkpatrick, Floyd M. 2,710,993.  
 Kirkpatrick, Floyd M. 2,718,351.  
 Kirkpatrick, Floyd M. 2,721,248.  
 Kizaur, Arthur J. 2,700,735.  
 Koch, Robert E. 2,726,298.  
 Koller, Lewis R. 2,709,765.  
 Koller, Lewis R. 2,717,844.  
 Kubler, Ernest F. 2,702,881.  
 Kurtz, Lowell M. 2,699,583.



General Electric Co.: See—Continued.

Kurtz, Lowell M. 2,724,247.  
 Kurtz, Lowell M. 2,728,199.  
 Lamb, Fredrick S. 2,712,089.  
 Lamb, Fredrick S., and Fabritius. 2,719,426.  
 Landgraf, William B. 2,700,143.  
 Lang, Robert A. 2,723,384.  
 La Wall, George R. 2,727,088.  
 Lawson, Gustaf R. 2,723,382.  
 Leeds, Laurance M. 2,712,615.  
 Leeds, Laurance M. 2,712,616.  
 Leete, Bernard D. 2,720,625.  
 Lemmers, Eugene. 2,714,653.  
 Lemmers, Eugene. 2,716,739.  
 Lengvenis, Robert J. 2,710,010.  
 Lennox, Thomas H. 2,710,330.  
 Levine, Samuel J. 2,711,681.  
 Lockwood, Burt E. 2,705,619.  
 Loft, Arne. 2,707,275.  
 London, Sol. 2,717,348.  
 Loudon, Victor J. 2,717,355.  
 Lord, Harold W. 2,698,908.  
 Low, Frank D. 2,704,083.  
 Lynch, Edward E. 2,712,610.  
 Lynch, Edward E., and Lunge. 2,701,329.  
 Malutich, Harry S. 2,705,404.  
 Manning, Ralph M. 2,709,923.  
 Marks, Louis W. 2,703,390.  
 Martin, Robert W. 2,707,715.  
 Martin, Robert W. 2,710,305.  
 Martin, Robert W. 2,714,098.  
 Martin, Robert W., and Frisch. 2,707,191.  
 Mayer, Harry F. 2,727,209.  
 McArthur, Elmer D. 2,702,349.  
 McCoy, Robert L., and Vose. 2,721,362.  
 McFarland, George L. 2,718,870.  
 McGrew, Thomas A. 2,712,732.  
 McLean, Harold T. 2,718,779.  
 McWethy, Irvin E., and Warhus. 2,726,513.  
 Meador, Jack R. 2,703,852.  
 Meckstroth, Carl R., and Terez. 2,711,760.  
 Mendelsohn, Lewis I. 2,724,174.  
 Mendelsohn, Lewis I. 2,725,266.  
 Mesick, Harry F., Jr. 2,698,991.  
 Metrailler, Francis M. 2,707,392.  
 Michaelis, Harold A. 2,718,854.  
 Michaelis, Harold A., and Swanson. 2,715,898.  
 Miles, Edward E. 2,701,848.  
 Miles, Roscoe C. 2,724,753.  
 Millar, Norval P., and Hoare. 2,704,827.  
 Mitchell, Henry M. 2,701,441.  
 Mittag, Albert H. 2,707,764.  
 Molyneaux, Robert J., and Walkoe. 2,727,975.  
 Moore, John R. 2,703,207.  
 Moran, Don E. 2,705,270.  
 Morey, Arthur H. 2,702,009.  
 Morgan, Raymond E. 2,699,525.  
 Morgan, Raymond E. 2,715,203.  
 Morgan, Raymond E. 2,720,579.  
 Murdock, Lawrence C. 2,711,531.  
 Murray, John W. 2,717,573.  
 Nelson, Evan H., and Power. 2,699,847.  
 Nelson, Joseph F., and Sawyer. 2,727,121.  
 Nelson, Russell A. 2,704,381.  
 Nickell, Hershell A., and Maslin. 2,712,580.  
 Noel, Edward B. 2,712,095.  
 Noel, Edward B. 2,716,713.  
 Noel, Edward B. 2,727,169.  
 Norris, Rollin H. 2,702,870.  
 North, Harper Q. 2,704,818.  
 North, Harper Q. 2,712,621.  
 North, Harper Q. 2,717,341.  
 Ogle, Hugh M. 2,727,199.  
 Ogle, Hugh M., and Wattenberger. 2,700,759.  
 Oles, Joseph F. 2,711,189.  
 Orlando, Vincent A. 2,700,739.  
 Osborne, Herbert L. 2,701,036.  
 Page, Robert G. 2,707,761.  
 Page, Robert G., and Tillson. 2,724,028.  
 Paige, Richard E. 2,727,619.  
 Paine, Joseph L. 2,724,310.  
 Patterson, Le Roy R., Jr. 2,704,698.  
 Peroutky, Donald C., and Watters. 2,701,324.  
 Pfeifer, Charles W. 2,704,748.  
 Pfeifer, Charles W., and Savage. 2,713,564.  
 Philip, James R. 2,725,034.  
 Phillips, Virgel E., and Unger. 2,709,735.  
 Pietsch, Joseph A. 2,700,978.  
 Piper, William W. 2,698,915.  
 Piper, William W., and Johnson. 2,721,950.  
 Pipkin, Marvin. 2,726,527.  
 Pistey, John M. 2,716,738.  
 Pistey, John M., and Young. 2,700,099.  
 Potts, Phil S. 2,712,965.  
 Powers, James H. 2,700,509.  
 Prince, David C. 2,720,272.  
 Prior, Roger A. 2,707,767.  
 Prior, Roger A., and Reese. 2,707,261.  
 Prober, Maurice. 2,717,235.  
 Pulaski, John W. 2,724,242.  
 Radke, Eleanor L., and Staats. 2,718,475.  
 Reid, Ralph A., and Leonard. 2,725,433.  
 Reilley, Francis V. 2,726,669.  
 Rex, Charles H. 2,717,954.

General Electric Co.: See—Continued.

Reynolds, Kenneth W., Billson, and Rausch. 2,716,416.  
 Rhoades, John M. 2,699,654.  
 Rich, Theodore A. 2,719,258.  
 Rich, Theodore A. 2,721,977.  
 Rich, Theodore A., and Foody. 2,707,737.  
 Richardson, Charles D., and Zavist. 2,707,204.  
 Ringwall, Carl G. 2,727,989.  
 Roberts, Shepard, and Williams. 2,721,808.  
 Robinson, John H., and Paulsen. 2,707,837.  
 Robinson, John H., and Paulsen. 2,728,481.  
 Rogers, George L. 2,725,517.  
 Rohats, Nicholas. 2,728,886.  
 Root, Augustin A. 2,700,896.  
 Rose, Stanley E., and Heimo. 2,715,324.  
 Rouault, Charles L. 2,724,049.  
 Ruspino, James G. 2,715,410.  
 Safford, Moyer M., and Bueche. 2,710,290.  
 Salomone, Rynold A., and Florian. 2,705,344.  
 Savage, Robert H. 2,703,372.  
 Schad, James L. 2,721,788.  
 Schaefer, Vincent J. 2,721,495.  
 Schaefer, Vincent J. 2,726,211.  
 Schaffer, Herman W. 2,727,165.  
 Schettler, William R. 2,720,846.  
 Schneider, Fred B. 2,706,453.  
 Schneider, Fred B., and Siciliano. 2,713,967.  
 Schneider, Harold N., and Oppel. 2,724,749.  
 Schroeder, George W. 2,715,673.  
 Schroeder, George W. 2,716,694.  
 Schumacher, Frank A. 2,721,451.  
 Schumacher, Frank A. 2,728,198.  
 Schweikert, John W. 2,705,208.  
 Scully, Thomas J. 2,726,363.  
 Sears, Walter J. 2,724,276.  
 Secarea, Valer V., and McDonald. 2,716,209.  
 Shaad, George E., Beck, and Gresham. 2,722,639.  
 Sharp, John C. 2,711,076.  
 Sharp, John C., and Clark. 2,718,772.  
 Sharp, John C., and Martiniak. 2,711,178.  
 Shaw, Edward M. 2,724,908.  
 Sheahan, Robert E. 2,726,033.  
 Shelton, Winston L., and Bochan. 2,707,088.  
 Shepp, Robert O. 2,718,544.  
 Sias, Frederick R. 2,710,376.  
 Silva, William C. 2,716,866.  
 Simmons, Russell T. 2,722,574.  
 Simmons, Russell T. 2,727,974.  
 Simonelli, Angelo. 2,722,522.  
 Sims, Marion W., Hill, and Krakower. 2,717,335.  
 Skiff, Russell A., and Finholt. 2,707,177.  
 Slomski, Stanley L. 2,709,872.  
 Smith, Russell M. 2,724,088.  
 Smith, Sidney R., Jr. 2,716,681.  
 Smith, Sidney R., Jr. 2,727,961.  
 Smith-Johannsen, Robert. 2,710,289.  
 Smith-Johannsen, Robert. 2,711,382.  
 Smith-Johannsen, Robert. 2,711,399.  
 Smoll, Allen E., and Smith. 2,719,230.  
 Sowter, Anthony B. 2,698,548.  
 Spitzer, Charles F., and Gordon. 2,723,353.  
 Spooner, Laurence W. 2,702,068.  
 Sprung, Murray M., and Guenther. 2,718,511.  
 Staak, Julius H. 2,702,098.  
 Staak, Julius H. 2,708,723.  
 Staak, Julius H. 2,716,579.  
 Stacy, John D., and Betters. 2,704,341.  
 Stahl, Alfred R. 2,713,362.  
 Stahl, Alfred R. 2,713,878.  
 Stanley, Harold H. 2,726,781.  
 Stanworth, John E. 2,719,932.  
 Stebbins, Gordon K. 2,720,756.  
 Stepenson, Hugh M., and Feiertag. 2,724,243.  
 Stimson, Allen G., Taylor, and Bakke. 2,728,265.  
 Storm, Herbert F. 2,704,823.  
 Storm, Herbert F. 2,724,797.  
 Strong, Herbert M. 2,706,911.  
 Strubel, Paul F. 2,712,119.  
 Suhr, Fred W. 2,705,770.  
 Swenson, Alfred G. 2,727,322.  
 Swenson, Alfred G., and Finlayson. 2,723,336.  
 Szafran, Adolph C., and Imboden. 2,716,742.  
 Tarleton, Frederic L. 2,720,086.  
 Thomas, William A. 2,700,086.  
 Thompson, Paige W., and Olson. 2,716,710.  
 Tilli, Vincent L., and Heintz. 2,711,460.  
 Titus, Charles H., and Bednarek. 2,717,293.  
 Torrisi, Alfred F., and Grahame. 2,724,076.  
 Travers, William R. 2,722,803.  
 Trekel, Harold E. 2,724,270.  
 Truesdell, Francis W. 2,702,322.  
 Tyler, Leslie P. 2,726,917.  
 Usher, Thomas E., and Jernakoff. 2,699,505.  
 Van Bennekom, Carl F. 2,724,794.  
 Van Valkenburg, Howard E. 2,700,894.  
 Vest Nest, Francis H. 2,713,351.  
 Von Hoorn, Fred G. 2,727,109.  
 Von Hoorn, Fred G. 2,727,110.  
 Vonnegut, Bernard. 2,702,471.  
 Vose, Fred C., and Ruth. 2,709,058.  
 Wagner, Ernest A. 2,699,663.  
 Wagnet, Philippe. 2,714,689.  
 Warner, Donald F. 2,714,499.  
 Watson, Wallace B. 2,702,853.



General Electric Co. : *See*—Continued.

Webb, Alan A., and Beeson. 2,727,187.  
 Webber, Stanley E. 2,715,697.  
 Weiler, Charles N. 2,721,093.  
 Whitman, Lawrence C. 2,702,374.  
 Whitman, Lawrence C., and Barr. 2,714,143.  
 Wieseman, Robert W. 2,714,173.  
 Wightman, Lawrance W. 2,703,371.  
 Wilcock, Donald F., and Sprung. 2,716,129.  
 Willcox, Thomas N. 2,713,697.  
 Willcox, Thomas N., Borchert, and Harris. 2,710,988.  
 Williams, Ernest. 2,721,236.  
 Williams, Stanley B. 2,716,735.  
 Willits, Glenn D., and Herman. 2,701,316.  
 Willyoung, David M. 2,712,085.  
 Wilson, Volney C. 2,708,518.  
 Winfield, William S. 2,719,916.  
 Wise, Robert A. 2,705,276.  
 Wise, Robert A. 2,707,219.  
 Woodruff, Thomas E. 2,712,128.  
 Woodward, Lewis J., and Baskerville. 2,717,298.  
 Woodward, Lewis J., and Titus. 2,702,358.  
 Worth, Thomas F. 2,703,849.  
 Worth, Thomas F., and Kerr. 2,707,756.  
 Yates, Charles G., Jr., and Gaynor. 2,705,116.  
 Young, Allan M. 2,704,063.  
 Young, James F. 2,700,395.  
 Young, James F. 2,706,105.  
 Young, James F. 2,720,955.  
 Zrodowski, Joseph J. 2,726,523.  
 Zuerker, Siegfried. 2,707,246.  
 Zuerker, Siegfried. 2,718,606.

General Electric Co. Ltd., The : *See*—

Brittain, Francis H. 2,706,529.  
 Dauncey, Leonard A., and Still. 2,721,209.  
 Foxon, Henry J., and Sowter. 2,701,483.  
 Garner, Brian L., and Levy. 2,716,732.  
 Jacoby, Henry C. E. 2,702,681.  
 Levy, Maurice M. 2,708,220.  
 Levy, Maurice M. 2,721,308.  
 Levy, Maurice M. 2,727,093.  
 Pickering, Ian J. 2,708,229.  
 Sowter, Anthony B. 2,703,997.  
 Sowter, Anthony B. 2,703,998.  
 Sowter, Anthony B. 2,707,821-26.  
 Sowter, Anthony B. 2,707,889.  
 Still, John E. 2,716,371.

General Electric Co. patent dedicated to the public insofar as it relates to lamps and lamp parts : *See*—

Pate, Albert F., and Wyman, Jr. 2,701,868.

General Filter Co. : *See*—

Lawlor, Joseph P. 2,721,173

General Fireproofing Co., The : *See*—

Knapp, Howard W. 2,713,892.  
 McKinley, William H. 2,704,113.  
 Richards, Archer W. 2,702,075.  
 Straubel, Clarence W. 2,716,583.

General Foods Corp. : *See*—

Common, James L., and Campbell. 2,698,803.  
 Flynn, Charles E., and Hollis. 2,720,460.  
 Hampton, William F., and Maher. 2,724,651.

General Hardware Mfg. Co. Inc. : *See*—

Polkosnik, Bernard L. 2,717,618.

General Industries Co., The : *See*—

Hartman, Herbert L. 2,700,309.

General Instrument Corp. : *See*—

Fay, Gerald S. 2,717,983.

General Laboratory Associates, Inc. : *See*—

McNulty, John V. 2,716,720.

General Mills, Inc. : *See*—

Aelony, David, and Renfrew. 2,728,747.  
 Aelony, David, and Wittcoff. 2,720,536.  
 Andrews, John S., and Freer. 2,710,809.  
 Arnold, Richard T. 2,698,857.  
 Bitzer, Jack A. 2,698,625.  
 Carland, Alton H. 2,711,779.  
 Cooley, Maxwell L. 2,712,997.  
 Erickson, John G. 2,698,847.  
 Fischer, Paul E., Hedin, Swanson, and Wissman. 2,726,498.  
 Fischer, Paul E., Hedin, Swanson, and Wissman. 2,726,499.  
 Fischer, Paul E., and Paulsen. 2,726,497.  
 Franklin, Edmond G. 2,716,172.  
 Franklin, Edmond G. 2,716,175.  
 Franklin, Edmond G. 2,716,176.  
 Franklin, Edmond G. 2,716,682.  
 Franklin, Edmond G., and Tsai. 2,716,174.  
 Gear, Eli C. 2,699,869.  
 Gear, Eli C., and Brastad. 2,707,556.  
 Hakomaki, Raymond I. 2,711,780.  
 Hakomaki, Raymond I. 2,726,706.  
 Harris, Lee M. 2,718,572.  
 Huber, Louis J. 2,701,200.  
 Moore, Charles B., Jr. 2,707,603.  
 Opie, Joseph W. 2,715,641.  
 Renfrew, Malcolm M., and Wittcoff. 2,705,223.  
 Russell, William M. 2,716,173.  
 Stinger, Henry J. 2,705,303.  
 Stinger, Henry J., Hakomaki, and Huch. 2,703,769.  
 Van Guilder, Walter. 2,728,368.  
 Wittcoff, Harold. 2,707,708.  
 Wittcoff, Harold. 2,728,737.

Geneva Modern Kitchens, Inc. : *See*—

Stoeckl, Ernest P. 2,698,776.

General Motors Corp. : *See*—

Adams, Edmund J. 2,698,958.  
 Albinson, Harold H. 2,728,333.  
 Antonidis, John E. 2,716,895.  
 Bales, Max G. 2,699,345.  
 Bales, Max G. 2,717,286.  
 Ballard, Robert L. 2,698,893.  
 Barcus, Edward L. 2,722,577.  
 Bauch, Fredrick. 2,721,119.  
 Baugh, Everett L., and Wallace. 2,698,515.  
 Baugh, Everett L., and Wallace. 2,716,995.  
 Bauman, Robert H. 2,714,941.  
 Beare, Charles H. 2,700,183.  
 Beare, Charles H. 2,716,778.  
 Beare, Charles H., Carson, and Monbeck. 2,707,017.  
 Beare, Charles H., Carson, and Monbeck. 2,722,263.  
 Bishop, Robert W. 2,727,845.  
 Blomberg, Martin P. 2,703,056.  
 Blanchard, Wallace, Jr. 2,719,592.  
 Bock, Carl J. 2,711,222.  
 Bower, Kendall O. 2,702,331.  
 Braun, Adolph F. 2,705,942.  
 Brems, John H. 2,703,007.  
 Brill, William E. 2,698,609.  
 Brill, William E. 2,718,220.  
 Brissette, Lawrence P., and Haviland. 2,703,492.  
 Broffit, Wilgus S. 2,698,872.  
 Brooks, Frank W. 2,724,460.  
 Brooks, Morton. 2,724,447.  
 Brown, William E. 2,724,750.  
 Brown, William E. 2,724,758.  
 Brown, William E. 2,725,432.  
 Brown, William E. 2,727,955.  
 Brundrett, George A. 2,717,058.  
 Buchanan, Ross W., Smith, and McDougal. 2,703,356.  
 Burge, James S., Goodwin, and McKee. 2,698,695.  
 Burge, James S., McKee, Conrad, Rider, and Salatin. 2,723,691.  
 Burrell, Frank C., Haigh, and Keydel. 2,713,333.  
 Burton, Robert W. 2,707,032.  
 Camping, Robert L., and Treseder. 2,698,666.  
 Camping, Robert L., and Treseder. 2,708,483.  
 Candor, Robert R. 2,701,451.  
 Candor, Robert R. 2,727,315.  
 Chayne, Charles A., and Dolza. 2,718,219.  
 Cislo, Casimer J. 2,725,435.  
 Clark, Harry F. 2,722,644.  
 Clark, Kendall. 2,725,118.  
 Cobb, Leland D. 2,706,123.  
 Cobb, Leland D. 2,723,869.  
 Cole, Edward N. 2,700,562.  
 Contant, Peter R. 2,711,501.  
 Cousins, Fred M. 2,704,439.  
 De Beaubien, William J. 2,702,338.  
 De Beaubien, William J. 2,702,339.  
 De Beaubien, William J. 2,704,962.  
 Diamond, Milton J. 2,719,224.  
 Dilworth, Richard M. 2,709,967.  
 Dilworth, Thomas B. 2,720,194.  
 Dinsmore, Albert P. 2,724,445.  
 Doane, Harry C. 2,700,867.  
 Doane, Harry C. 2,703,872.  
 Doerfner, William H. 2,702,529.  
 Dolza, John. 2,724,373.  
 Dolza, John. 2,725,862.  
 Double, Walter F., Schindler, and Armington. 2,723,567.  
 Edmundson, William C., Nichols, and Fletcher. 2,711,491.  
 Ephraim, Max, Jr., and Traver. 2,711,303.  
 Erickson, Anton F. 2,699,122.  
 Erickson, Anton F. 2,722,103.  
 Eshbaugh, Jesse E. 2,722,338.  
 Eshbaugh, Jesse E. 2,728,227.  
 Field, Robert E. 2,700,962.  
 Flynn, James H. 2,719,902.  
 Foster, William J. 2,700,327.  
 Foster, William J., and Gretzinger. 2,709,950.  
 Frank, Bernard E., and Armstrong. 2,709,000.  
 Frank, Bernard E., and Cummings. 2,711,204.  
 Frei, Arthur J. 2,714,294.  
 Frick, Charles H., and Rays. 2,706,975.  
 Fry, Millard E. 2,717,291.  
 Fry, Millard E. 2,719,906.  
 Fry, Millard E. 2,722,591.  
 Funkhouser, Mearick. 2,714,942.  
 Galonska, David A. 2,716,537.  
 Gardiner, Arthur W., Gaubatz, Nickel, Dolza, and Perish. 2,708,426.  
 Gaubatz, Arthur W. 2,699,040.  
 Gaugler, Richard S. 2,702,460.  
 Gerard, Frank W., and Fitz Harris. 2,725,089.  
 Geyer, Howard M. 2,700,542.  
 Geyer, Howard M. 2,705,939.  
 Gibbons, Harold R. 2,705,666.  
 Grooms, Albert O. 2,700,716.  
 Grooms, Albert O. 2,725,444.  
 Guentsche, Helmuth, Nelson, and Schjolin. 2,724,292.  
 Guentsche, Helmuth, Nelson, and Schjolin. 2,724,293.  
 Harris, Edward P. 2,716,787.  
 Harris, Edward P. 2,719,331.  
 Harris, Edward P. 2,719,343.  
 Harris, Edward P. 2,720,685.  
 Harris, Edward P., and Sampson. 2,707,490.



General Motors Corp.: *See*—Continued.

Harris, Edward P., and Sampson. 2,707,491.  
 Harris, Edward P., and Sampson. 2,707,492.  
 Harry, Gordon W., and Barnes. 2,713,830.  
 Hartzell, Herman L. 2,723,654.  
 Hastings, Homer R. 2,716,685.  
 Hedeon, Carl E. 2,698,728.  
 Heidorn, John H. 2,700,195.  
 Heidorn, John H. 2,720,757.  
 Heidorn, John H., and Fogt. 2,723,538.  
 Helgeby, Ralph O. 2,702,520.  
 Henney, Charles F. 2,722,106.  
 Herndon, Walter B. 2,713,798.  
 Herndon, Walter B., and Borman. 2,726,746.  
 Hills, Arthur W. 2,705,317.  
 Holbrook, Gordon E. 2,719,099.  
 Holin, William F. 2,725,124.  
 Holton, Charles D. 2,705,870.  
 Holzwarth, James C. 2,720,459.  
 Howell, William D. 2,713,264.  
 Jackson, George W. 2,717,344.  
 Jacobs, James W. 2,716,867.  
 Jacobs, James W. 2,720,700.  
 Jacobs, James W. 2,720,761.  
 Jacobs, James W. 2,724,241.  
 Jacobs, James W. 2,724,576.  
 Jacques, Edward J., and Limberg. 2,718,428.  
 Jendrynski, Hillard J., and Stapleton. 2,721,814.  
 Johnson, Elbert L. 2,724,812.  
 Johnson, Lauren L. 2,713,659.  
 Jones, Paul L. 2,698,783.  
 Jorgensen, Clarence H., and Dermond. 2,704,318.  
 Jorgensen, Clarence H., Nickel, and Dietrich. 2,710,522.  
 Jorgensen, Clarence H., Nickel, Dietrich, and Boughton. 2,698,654.  
 Jorgensen, Peter J. and C. H. 2,705,484.  
 Kearfott, Arman J., and Williams. 2,702,771.  
 Keller, Clarence J., and White. 2,724,757.  
 Kelley, Oliver K. 2,727,360.  
 Kellogg, George W. 2,702,794.  
 Kernen, Kenneth C., Mitchel, and Schwyn. 2,711,520.  
 Kernen, Kenneth C., Mitchel, and Schwyn. 2,719,278.  
 Kesling, Keith K. 2,700,197.  
 Keydel, Paul F. 2,713,857.  
 King, Charles W. 2,711,504.  
 Klein, Frank J. 2,727,858.  
 Lander, Arthur V., Gomm, and Smith. 2,708,529.  
 Lantz, Donald G. 2,701,544.  
 Lautzenhiser, Argyl G. 2,722,205.  
 Leach, Clayton B. Re. 24,035.  
 Leach, Clayton B. 2,718,221.  
 Leland, Robert W. 2,724,813.  
 Leland, Robert W., and Spires. 2,714,807.  
 Lewis, Clayton R., Bidwell, and Underwood. 2,715,830.  
 Light, James W. 2,701,552.  
 Light, James W., and Geyer. 2,715,206.  
 Lillquist, Torsten O. 2,727,195.  
 Limberg, Alfons A., and Robertson. 2,714,035.  
 Lincoln, Clovis W., Schroeder, and Malone. 2,728,825.  
 Little, John H., and Schoelles. 2,707,079.  
 Livezey, William G., Storer, and Richards. 2,699,074.  
 Long, George B. 2,701,837.  
 Louzecky, Paul J., and Hovde. 2,728,331.  
 Mackie, Harry A., and Garvey. 2,716,252.  
 Mann, Leonard J. 2,698,521.  
 Mann, Leonard J. 2,723,533.  
 Martin, Edward J., and Sargeant. 2,704,825.  
 Martin, Harry D. 2,712,481.  
 Marvin, John T. 2,717,295.  
 Maurer, Philip W., and Tell. 2,725,257.  
 McDowall, Charles J. 2,718,756.  
 McDuffie, Archie D. 2,699,160.  
 McDuffie, Archie D. 2,725,865.  
 McMullen, Wesley W. 2,716,398.  
 McShurley, Marshall D., and Mahoney. 2,698,630.  
 McShurley, Marshall D., and Mahoney. 2,707,313.  
 Mears, William T. 2,700,525.  
 Mever, Engelbert A. 2,703,662.  
 Miller, Edwin J., and Gaugler. 2,709,228.  
 Miller, Lester M. 2,709,215.  
 Mines, Chester E. 2,720,079.  
 Mitchel, Ralph H., and Helgeby. 2,725,493.  
 Mitchel, Ralph H., and Schwyn. 2,720,603.  
 Mitchel, Ralph H., and Schwyn. 2,720,604.  
 Montieth, Oscar V. 2,702,100.  
 Moritz, Kurt, and Wagner. 2,702,565.  
 Morphew, Clarence E., and Adams. 2,700,725.  
 Murphy, John M. 2,724,577.  
 Mushovic, Peter. 2,704,249.  
 Neary, Kenneth J. 2,708,825.  
 Nichols, Charles A. 2,723,918.  
 Nichols, Charles A., and Weiser. 2,699,080.  
 Nickles, Ned F. 2,722,447.  
 Onksen, George W., Jr. 2,724,770.  
 Owen, Webster J., Gordon, and Maurer. 2,714,808.  
 Pearce, George C. 2,705,947.  
 Pearce, George C. 2,707,225.  
 Pearce, George C. 2,708,709.  
 Pearsall, Howard W. 2,704,733.  
 Pearson, Frank C. 2,708,917.  
 Pees, Ronald R. 2,699,161.  
 Penn, Melvin P. 2,719,408.  
 Petkowitz, Carl F. 2,719,772.  
 Phinney, Frederick G., and Arnold. 2,709,102.

General Motors Corp.: *See*—Continued.

Pichler, Joseph R. 2,705,875.  
 Potocnik, Rudolph. 2,710,049.  
 Psik, Robert T. 2,724,958.  
 Purchas, William J., Jr., and Orent. 2,701,164.  
 Redick, David C. 2,702,327.  
 Riesing, Ellwood F. 2,704,045.  
 Rittenhouse, Harvey L. 2,721,097.  
 Rossman, Edwin F. 2,698,675.  
 Sampson, Frederick W. 2,705,816.  
 Sampson, Frederick W. 2,707,406.  
 Sampson, Frederick W., and Everitt. 2,705,634.  
 Sanft, Charles A. 2,724,982.  
 Sargeant, Walter E., and Erwin. 2,719,257.  
 Sargeant, Walter E., and Weller. 2,701,335.  
 Saunders, Orson V. 2,708,294.  
 Saunders, Orson V. 2,724,630.  
 Schjolin, Hans O., and Isbell. 2,704,233.  
 Schwartzwalder, Karl, and Smith. 2,717,438.  
 Schweller, Edmund F. 2,720,762.  
 Shaw, George B. 2,698,887.  
 Shaw, Willard C. 2,716,803.  
 Shewarz, Bertram A., and Wright. 2,701,330.  
 Sheldrick, Laurence S. 2,720,195.  
 Sheley, Wayne H., Todd, and Goodwin. 2,724,136.  
 Shewmon, Ralph K., and Flora. 2,711,448.  
 Short, Clair A., Jr., and Conley. 2,704,436.  
 Shutts, Leroy W. 2,728,354.  
 Sihvonen, Yro T. 2,725,501.  
 Sintz, Edward C., and Trevarthen. 2,702,219.  
 Skunda, Michael. 2,726,433.  
 Smith, Kenneth P. 2,700,565.  
 Smith, Kenneth P. 2,723,145.  
 Snyder, Kenneth E. 2,720,190.  
 Snyder, Kenneth E. 2,728,247.  
 Somers, Arthur V. 2,700,620.  
 Somerville, Alexander. 2,721,478.  
 Spahr, Robert H., Jr. 2,725,116.  
 Spaulding, Robert A. 2,726,968.  
 Spaulding, Robert A. 2,726,969.  
 Staley, Duward C. 2,715,193.  
 Stickel, Carl A. 2,700,279.  
 Stickel, Carl A. 2,716,865.  
 Stocks, Harry R. 2,713,178.  
 Sutter, Francis E. 2,701,601.  
 Swank, Howard C. 2,724,578.  
 Taylor, Garthwood R. 2,706,007.  
 Taylor, Lewis A. 2,721,363.  
 Thorne, Maurice A. 2,711,229.  
 Thorne, Maurice A. 2,725,122.  
 Thorne, Maurice A., and Hutchinson. 2,702,701.  
 Tobin, Clarence J. 2,728,657.  
 Treseder, Robert C., Dinsmore, Moore, Geyer, and Berninger. 2,699,304.  
 Trittschuh, Francis F. 2,725,196.  
 Turcotte, Fred J. 2,721,659.  
 Turlay, Joseph D. 2,713,856.  
 Turlay, Joseph D. 2,722,049.  
 Turlay, Joseph D. 2,725,047.  
 Turlay, Joseph D. 2,725,859.  
 Tuttle, Charles D., and Larsen. 2,722,908.  
 Vermaire, Paul L. 2,706,974.  
 Wampole, Carl J. 2,714,761.  
 Watson, Bradley F. 2,705,616.  
 Weide, Rudolph C. 2,721,920.  
 Wellington, Roger D., and Black. 2,708,919.  
 Wellman, Robert H. 2,724,378.  
 Werner, Calvin J. 2,708,373.  
 Werner, Calvin J. 2,725,233.  
 Wetzler, John M. 2,711,072.  
 White, Joe. 2,707,781.  
 White, Joe, and Keller. 2,700,761.  
 Wilder, James J. 2,725,046.  
 Winchell, Frank J. 2,726,906.  
 Wolcott, Leslie C. 2,714,623.  
 Worden, Donald P. 2,701,833.  
 Wurtz, Clifford H. 2,723,896.  
 Wurtz, Clifford H., and Grenell. 2,712,736.  
 Young, Robert E. 2,700,889.  
 General Nailing Machine Corp.: *See*—  
 Paxton, Gerald C. 2,712,894.  
 Paxton, Gerald C. 2,724,833.  
 General Package Corp.: *See*—  
 Comstock, Alfred E. 2,701,651.  
 Comstock, Alfred E. 2,703,041.  
 Jordan, Curtis S. 2,700,922.  
 Schilling, Hugh K. 2,702,973.  
 General Patent Corp.: *See*—  
 Durant, Lyndon A. 2,707,637.  
 Durant, Lyndon A., and Wolverton. 2,724,024.  
 General Photo Mfg. Co., Inc.: *See*—  
 Paulas, John C. 2,702,145.  
 General Plastics Corp. of America.: *See*—  
 Drogin, Martin M. Re. 24,067.  
 General Precision Laboratory Inc.: *See*—  
 Anderson, Robert V. 2,717,918.  
 Fredrick, Arden H. 2,702,880.  
 Garman, Raymond L., and Raitiere. 2,721,319.  
 Gillette, Frank N., Garman, and Pourciau. 2,714,131.  
 Gillette, Frank N., and King. 2,704,307.  
 Gillette, Frank N., and King. 2,712,064.  
 Greenwood, Ivan A., Jr. 2,714,136.  
 Hayek, Arthur F. 2,712,413.



General Precision Laboratory Inc.: *See*—Continued.

Hayek, Arthur F. 2,722,379.  
 King, George W. 2,709,768.  
 King, George W. 2,717,922.  
 Luhrs, Charles H. 2,719,274.  
 Pappas, Michael T., and King. 2,722,627.  
 Warriner, Ben, IV. 2,709,786.  
 General Radio Co.: *See*—  
 Holtje, Malcolm C. 2,715,718.  
 General Railway Signal Co.: *See*—  
 Brixner, Frederick W., and Pearce. 2,700,728.  
 Coley, Nelson B. 2,724,063.  
 Freehafer, John E. 2,721,258.  
 Hewes, Ralph W. 2,720,640.  
 Judge, Thomas J. 2,703,839.  
 Judge, Thomas J., and Phinney. 2,700,727.  
 Maenpaa, Wilho K. 2,719,911.  
 Maenpaa, Wilho K., and Hughson. 2,719,912.  
 General Register Corp.: *See*—  
 Helsel, Reuben H. 2,720,831.  
 General Scientific Corp.: *See*—  
 Lowenthal, Herman. 2,703,037.  
 General Slicing Machine Co., Inc.: *See*—  
 Green, Xan B. K., and Preble. 2,704,940.  
 Green, Xan B. K., and Preble. 2,709,325.  
 Green, Xan B. K., and Preble. 2,721,430.  
 General Steel Castings Corp.: *See*—  
 Burdick, William E. 2,705,926.  
 Kell, Clement W., and Podgajny. 2,713,948.  
 McCormick, John A. 2,710,676.  
 Travilla, James C. 2,701,953.  
 Travilla, James C. 2,710,582.  
 Travilla, James C., and Gilchrist. 2,705,924.  
 Wintemberg, Adelbert C. 2,703,057.  
 Wintemberg, Adelbert C. 2,725,018.  
 General Teleradio, Inc.: *See*—  
 Lubcke, Harry R. 2,699,520.  
 General Textile Mills, Inc.: *See*—  
 Horning, James W. 2,719,686.  
 Horning, James W. 2,725,204.  
 General Time Corp.: *See*—  
 Jensen, Helmar O. 2,704,345.  
 Lorenz, Richard L. 2,711,790.  
 Pomatto, Charles V., and Schlenker. 2,704,432.  
 West, Everett J., and Black. 2,713,458.  
 General Tire and Rubber Co., The: *See*—  
 Casey, James D. 2,704,598.  
 Engler, Max. 2,722,590.  
 Kraft, Herman T. 2,700,795.  
 Kraft, Herman T. 2,708,994.  
 Kraft, Herman T., and Kaenan. 2,710,424.  
 Neher, Eldon P. 2,722,138.  
 Prendergast, Michael J. 2,721,741.  
 Roy, Herman T., Jr. 2,710,830.  
 Genesee Research Corp.: *See*—  
 White, Chester M., and Ivancic. 2,721,183.  
 Genest, Robert. 2,715,784, Cl. 35—22.  
 Gengenback, Fritz, to Evans Case Co. 2,713,105, Cl. 219—4.  
 Gensburg, Louis W. 2,724,178, Cl. 30—2.  
 Gensel, William L.: *See*—  
 Beers, Roy A., Jr., and Gensel. 2,713,634.  
 Gensheimer, Joseph R., to Lord Mfg. Co. 2,708,351, Cl. 64—11.  
 Gent, Edgar W. 2,705,364, Cl. 30—40.  
 Gent, Edgar W. 2,718,693, Cl. 30—31.  
 Gent, Hubert: *See*—  
 McCallum, Donald M., and Gent. 2,699,677.  
 Gent, Richard, Ltd.: *See*—  
 Freeman, Alfred. 2,716,533.  
 Gentile, Albert. 2,714,036, Cl. 296—97.  
 Gentile, Vincent I.: *See*—  
 Gentile, Vincent, Jr., and V. I. Gentile. 2,721,773.  
 Gentile, Vincent, Jr., and V. I. Gentile. 2,721,773, Cl. 308—121.  
 Gentry, George A.: *See*—  
 Gentry, George C. and G. A. 2,708,818.  
 Gentry, George A., and Son: *See*—  
 Gentry, George C. and G. A. 2,708,818.  
 Gentry, George C. and G. A., to George A. Gentry and Son. 2,708,818, Cl. 56—25.4.  
 Gentry, Norman L., L. V. Pope, and L. A. McDaniel. 2,724,352, Cl. 112—2.  
 Geophysical Research Corp.: *See*—  
 Born, William T., Faust, and Wolf. 2,720,933.  
 Owen, John E. 2,707,768.  
 George, Coy L.: *See*—  
 Boyce, Arthur L., and George. 2,705,396.  
 George, Everett D., to The Goodyear Tire & Rubber Co. 2,712,341, Cl. 154—9.  
 George, Harvey F., to Davidson Corp. 2,704,029, Cl. 101—425.  
 George, Henri, to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey. 2,702,750, Cl. 106—58.  
 George, Kenyon P., and M. E. Stickney, to Beckman Instruments, Inc. 2,705,440, Cl. 88—61.  
 George, Percy F.: *See*—  
 Fry, Ashford B., George, and Kirk. 2,712,564.  
 George, Roscoe H., and G. R. Cooper, to Purdue Research Foundation. 2,722,608, Cl. 250—37.  
 George, Stephen A., to Stephen A. George Co. 2,710,316, Cl. 191—38.  
 George, Stephen A., Co.: *See*—  
 George, Stephen A. 2,710,316.

George, Walter C.: *See*—

Repping, Edward F., Fallert, and George. 2,713,964.  
 George, Walter C., to Gaylord Container Corp. 2,722,341, Cl. 220—115.  
 George, William J. 2,716,378, Cl. 101—38.  
 Georgeff, Vasil, to Danly Machine Specialties, Inc. 2,706,026, Cl. 192—12.  
 Georgen, Wendell L., to International Harvester Co. 2,718,041, Cl. 22—90.  
 Georges, Louis W., to The Firestone Tire & Rubber Co. 2,700,406, Cl. 152—359.  
 Georgian, Carl C., to The American Oil Co. 2,727,848, Cl. 196—14.17.  
 Georgii, Hans P. 2,711,007, Cl. 29—33.  
 Geovision, Inc.: *See*—  
 Rieber, Frank. 2,703,150.  
 Gerard, Frank W., and L. J. Fitz Harris, to General Motors Corp. 2,725,089, Cl. 154—1.6.  
 Gerard, George A. 2,710,590, Cl. 118—65.  
 Gerbaud, Lucien J., to Automatic Glassware Machinery Co. Ltd., dte: S. I. E. M. A. V. 2,704,418, Cl. 49—50.  
 Gerber, Dale C.: *See*—  
 Seck, Werner G., and Gerber. 2,722,996.  
 Vance, John E., Gerber, and Smith. 2,710,469.  
 Gerber, Dale C., to The Hoover Co. 2,700,430, Cl. 183—51.  
 Gerber, Dale C., to The Hoover Co. 2,727,262, Cl. 15—49.  
 Gerber, Dale C., and W. G. Seck, to The Hoover Co. 2,722,993, Cl. 183—37.  
 Gerber, Louis P. 2,705,007, Cl. 128—200.  
 Gerber Products Co.: *See*—  
 Burnett, Edward N. 2,706,945.  
 Krupp, Robert F., and Wardell. 2,726,851.  
 Wardell, Lynwood, Leavitt, and Krupp. 2,719,484.  
 Gerbing, Willard E. 2,714,313, Cl. 74—230.17.  
 Gerder, Rodolphe. 2,711,203, Cl. 150—29.  
 Gerecke, Walter, to Klöckner-Humboldt-Deutz Aktiengesellschaft. 2,718,882, Cl. 123—32.  
 Geremia, Leo F.: *See*—  
 Thomas, Philip J., and Geremia. 2,699,469.  
 Gerhart, William A. 2,717,415, Cl. 17—32.  
 Gerhold, Clarence G., to Universal Oil Products Co. 2,709,641, Cl. 23—270.5.  
 Gerin, Fernand L. 2,703,489, Cl. 73—57.  
 Gerity-Michigan Corp.: *See*—  
 Kinker, Clarence C. 2,718,736.  
 Kinker, Clarence C., and Murtagh. 2,700,254.  
 Gerjovich, Henry J.: *See*—  
 Park, Joseph D., Lacher, and Gerjovich. 2,713,595.  
 Park, Joseph D., Lacher, and Gerjovich. 2,713,596.  
 Gerjovich, Henry J., to E. I. du Pont de Nemours and Co. 2,728,654, Cl. 71—2.6.  
 Gerken, Homer J. 2,706,435, Cl. 95—36.  
 Gerlach, Hans, 1/2 to Frico G. m. b. H. Gold- und Silber-Scheide-Anstalt. 2,705,837, Cl. 32—13.  
 Gerlough, Tillman D., to Olin Mathieson Chemical Corp. 2,710,293, Cl. 260—112.  
 Gerlough, Tillman D., to Olin Mathieson Chemical Corp. 2,710,294, Cl. 260—112.  
 Germain, George E. 2,702,205, Cl. 292—275.  
 Germann, Kenneth R., 1/2 to R. R. Hanna, and 1/2 to C. S. Barbara. 2,714,049, Cl. 346—94.  
 Germann, Kenneth R. 2,714,050, Cl. 346—94.  
 Germann, Richard P.: *See*—  
 Smith, James M., Jr., and Germann. 2,711,423.  
 Germany, Norman V., to United Shoe Machinery Corp. 2,723,634, Cl. 112—47.  
 Germer, Edmund, to Hanovia Chemical & Mfg. Co. 2,709,767, Cl. 313—212.  
 Germer, Wilhelm E. 2,723,558, Cl. 73—112.  
 Germer, Wilhelm E. 2,723,559, Cl. 73—112.  
 Germeshausen, Kenneth J. 2,700,120, Cl. 315—180.  
 Germeshausen, Kenneth J. 2,700,121, Cl. 315—180.  
 Germeshausen, Kenneth J. 2,722,629, Cl. 315—163.  
 Germeshausen, Kenneth J. 2,722,632, Cl. 315—237.  
 Gerner, Fritz, to the firm "C. H. Boehringer Sohn." 2,714,125, Cl. 260—651.  
 Gernsback, Hugo. 2,718,083, Cl. 43—4.  
 Gerow, Milo R. 2,720,680, Cl. 18—14.  
 Gerrans, William L. 2,713,219, Cl. 37—140.  
 Gershater, Maurice M. 2,725,916, Cl. 153—21.  
 Gershon, Benjamin. 2,707,510, Cl. 153—15.  
 Gershon, Milton, to the United States of America as represented by the Secretary of the Navy. 2,721,571, Cl. 137—75.  
 Gershon, Sol D., and O. W. Neiditch, to Lever Brothers Co. 2,723,217, Cl. 167—93.  
 Gerson, Herbert. 2,721,498, Cl. 88—52.  
 Gerst, Chris, to Westinghouse Air Brake Co. 2,707,056, Cl. 214—140.  
 Gerst, Chris, to Westinghouse Air Brake Co. 2,707,057, Cl. 214—140.  
 Gerst, Chris, to Westinghouse Air Brake Co. 2,707,059, Cl. 214—140.  
 Gerst, Chris, to Napco Industries Inc. 2,719,639, Cl. 214—140.  
 Gerst, Chris, to Napco Industries Inc. 2,724,290, Cl. 74—695.  
 Gerstein, Abe. 2,711,272, Cl. 223—99.  
 Gerstein, Frank: *See*—  
 Kagan, Ralph, and H. and F. Gerstein. 2,725,103.  
 Gerstle, De Witt F. 2,719,344, Cl. 24—156.  
 Gerstner, Elmer E., to Thomas Industries Inc. 2,727,982, Cl. 240—73.  
 Gerth, Roy J. 2,716,846, Cl. 51—128.  
 Gerts, John A. 2,702,109, Cl. 197—151.  
 Gerts, John A. 2,714,438, Cl. 197—189.



- Gertz, Philip L. 2,702,174, Cl. 248—117.2.  
 Gerwig, Harvey F., to Weston Hydraulics, Ltd. 2,712,422, Cl. 244—50.  
 Gerwig, Larry L., to Bendix Aviation Corp. 2,705,937, Cl. 116—129.  
 Gerzon, Koert, to Eli Lilly and Co. 2,719,866, Cl. 206—619.  
 Gerzon, Koert, and D. A. Zuck, to Eli Lilly and Co. 2,715,622, Cl. 260—240.  
 Geschickter, Charles F.: *See—*  
 Rice, Leonard M., and Geschickter. 2,720,525.  
 Geschickter, Charles F., and L. M. Rice. 2,719,848, Cl. 260—286.  
 Geschickter, Charles F., and L. M. Rice. 2,721,867, Cl. 260—253.  
 Geschickter Fund for Medical Research, Inc., The: *See—*  
 Rice, Leonard M., and Geschickter. 2,720,525.  
 Gesellschaft Fuer Linde's Eismaschinen A.-G.: *See—*  
 Becker, Rudolf, and Wucherer. 2,728,205.  
 Karwat, Ernst. 2,727,587.  
 Karwat, Ernst, and Linde. 2,699,047.  
 Gess, Louis, to Minneapolis-Honeywell Regulator Co. 2,701,857, Cl. 318—285.  
 Gess, Louis, to Minneapolis-Honeywell Regulator Co. 2,706,084, Cl. 236—51.  
 Gessel, Helen A.: *See—*  
 Gessel, Udell M. 2,702,542.  
 Gessel, Udell M., deceased (by H. A. Gessel, administratrix). 2,702,542, Cl. 128—80.  
 Gethmann, Richard B., to General Electric Co. 2,723,362, Cl. 313—79.  
 Gettig, Martin S. 2,728,253, Cl. 82—2.5.  
 Getting, Ivan A., and L. L. Davenport, to the United States of America as represented by the Secretary of War. 2,709,773, Cl. 318—16.  
 Getting, Ivan A., and A. W. Bellamy, to the United States of America as represented by the Secretary of the Navy. 2,710,352, Cl. 250—33.63.  
 Gety, Glenn. 2,702,138, Cl. 214—307.  
 Getz, Delmond L., and R. O. Hedges, to The Steel Products Engineering Co. 2,699,727, Cl. 103—6.  
 Getz, Delmond L., and R. O. Hedges, to The Steel Products Engineering Co. 2,699,728, Cl. 103—38.  
 Getz, Delmond L., and R. O. Hedges, to The Steel Products Engineering Co. 2,703,608, Cl. 158—76.  
 Getz, Donald C. 2,705,061, Cl. 189—13.  
 Getz, Edwin H. 2,703,452, Cl. 32—19.  
 Getz, Raymond F., and A. Toelle, to Essex Wire Corp. 2,701,865, Cl. 336—96.  
 Geuder, Paeschke & Frey Co.: *See—*  
 Voigt, Herbert L., and Sellon. 2,714,368.  
 Gevaert Photo-Producten N. V.: *See—*  
 Adam, Gustaaf, and Tritsmans. 2,716,077.  
 Gevartman, Lewis H., H. K. Chan, and T. H. Shirasawa, to the United States of America as represented by the Secretary of the Navy. 2,703,488, Cl. 73—53.  
 Geyer, Gabriel, and W. C. Ward, to The Norwich Pharmacal Co. 2,726,241, Cl. 260—240.  
 Gevirman, Jerome. 2,701,955, Cl. 67—7.1.  
 Gewecke, Theodore H., to Baxter Laboratories, Inc. 2,701,565, Cl. 128—214.  
 Gewecke, Theodore H., to Baxter Laboratories, Inc. 2,707,547, Cl. 198—33.  
 Gewecke, Theodore H., to Baxter Laboratories, Inc. 2,712,822, Cl. 128—214.  
 Gewecke, Theodore H., to Baxter Laboratories, Inc. 2,725,055, Cl. 128—214.  
 Geyer, Howard M.: *See—*  
 Light, James W., and Geyer. 2,715,206.  
 Treseder, Robert C., Dinsmore, Moore, Geyer and Berninger. 2,699,304.  
 Geyer, Howard M., to General Motors Corp. 2,700,542, Cl. 268—59.  
 Geyer, Howard M., to General Motors Corp. 2,705,939, Cl. 121—40.  
 Geyger, Wilhelm A. Re. 24,068, Cl. 323—89.  
 Geyger, Wilhelm A. 2,700,130, Cl. 323—89.  
 Geyger, Wilhelm A., to the United States of America as represented by the Secretary of the Navy. 2,717,346, Cl. 318—207.  
 Geyger, Wilhelm A., to the United States of America as represented by the Secretary of the Navy. 2,725,521, Cl. 323—89.  
 Ghertman, Ioino, to International Business Machines Corp. 2,711,794, Cl. 164—115.  
 Ghormley, Karl S., and R. V. Galbreath, to Townsend & Bottum, Inc. 2,723,437, Cl. 25—131.  
 Giacometto, Lawrence J., to Radio Corp. of America. 2,701,302, Cl. 250—20.  
 Giacometto, Lawrence J., to Radio Corp. of America. 2,702,360, Cl. 317—234.  
 Giacometto, Lawrence J., to Radio Corp. of America. 2,712,091, Cl. 315—27.  
 Giacosa, Dante, to Fiat S. p. a. 2,705,660, Cl. 296—28.  
 Giacosa, Dante, and A. Mosso, to Fiat S. p. A. 2,726,857, Cl. 267—20.  
 Giambra, Santo, Jr., ½ to J. and F. Cremard. 2,703,179, Cl. 211—105.2.  
 Giambra, Stephen, to C. L. Invidiato. 2,712,310, Cl. 128—80.  
 Giammaria, John J., to Socony-Vacuum Oil Co., Inc. 2,704,277, Cl. 252—56.  
 Giammaria, John J., to Socony Mobil Oil Co., Inc. 2,727,862, Cl. 252—51.5.  
 Gianini, Carlo, to Moto Guzzi Società per Azioni. 2,706,976, Cl. 123—119.  
 Giannini, G. M., & Co. Inc.: *See—*  
 Giannini, Gabriel M., and Riegelman, Jr. 2,724,760.  
 Klose, Alfred J. 2,705,890.  
 Sardou, Charles F., Jr. 2,727,796.  
 Smith, Gene W. 2,722,124.  
 Giannini, Gabriel M., and H. M. Reigelman, Jr., to G. M. Giannini & Co., Inc. 2,724,760, Cl. 201—48.  
 Giannos, Theodore A. 2,727,644, Cl. 215—79.  
 Giardina, Andrew N. 2,718,729, Cl. 46—244.  
 Giardini, Gino A. 2,715,315, Cl. 62—1.  
 Gibb, Thomas R. P., Jr., to Metal Hydrides Inc. 2,702,281, Cl. 252—188.  
 Gibb, Thomas R. P., Jr., and W. H. Pasfield, to the United States of America as represented by the United States Atomic Energy Commission. 2,712,979, Cl. 23—14.5.  
 Gibbon, John H., Jr., G. V. A. Malmros, and E. A. Barber, Jr., to The Jefferson Medical College of Philadelphia. 2,702,035, Cl. 128—214.  
 Gibbon, Samuel Y., to Air-Shields, Inc. 2,727,508, Cl. 128—1.  
 Gibbons, Harold R., to General Motors Corp. 2,705,666, Cl. 308—213.  
 Gibbs, Charles E. 2,709,104, Cl. 294—65.5.  
 Gibbs, George E. 2,708,695, Cl. 200—61.55.  
 Gibbs, George E. 2,711,743, Cl. 131—175.  
 Gibbs, Lloyd T. 2,710,022, Cl. 137—529.  
 Gibbs, Lloyd T. 2,711,697, Cl. 103—37.  
 Gibbs, Lloyd T. 2,713,349, Cl. 137—331.  
 Gibbs, William T. 2,700,240, Cl. 43—42.4.  
 Gibian, Emil F., to Thompson Products, Inc. 2,716,270, Cl. 29—156.8.  
 Gibilisco, Joseph S., to The Hart Mfg. Co. 2,713,668, Cl. 339—95.  
 Gibney, William J., and J. C. Ryder, to United Merchants and Manufacturers, Inc. 2,701,715, Cl. 270—80.  
 Gibraltar Mfg. Co., Inc.: *See—*  
 Woessner, Carl. 2,704,560.  
 Gibson, Clarence F. 2,712,576, Cl. 200—83.  
 Gibson Electric Co.: *See—*  
 Harvey, Cecil L. 2,723,444.  
 Williamson, George L. 2,706,759.  
 Gibson, Eugene C., and H. M. Hoxie, to The Chemstrand Corp. 2,708,843, Cl. 68—5.  
 Gibson, Eugene C., and L. C. Holt, to The Chemstrand Corp. 2,722,983, Cl. 164—39.  
 Gibson, George W.: *See—*  
 Clarke, Thomas B., and Gibson. 2,727,260.  
 Gibson, Glenn D. 2,707,987, Cl. 155—78.  
 Gibson, Glenn J., to Air Reduction Co., Inc. 2,709,213, Cl. 219—10.  
 Gibson, Harry L.: *See—*  
 Ahlburg, Frank, and Gibson. 2,715,511.  
 Gibson, Inc.: *See—*  
 Allers, Lawrence P. 2,709,388.  
 McCarty, Theodore M. 2,714,326.  
 Gibson, John E., and A. J. Went. 2,717,770, Cl. 261—28.  
 Gibson, John H., and R. H. Hunter, to Dewrance & Co. Ltd. 2,723,512, Cl. 51—241.  
 Gibson, John J., to Radio Corp. of America. 2,709,240, Cl. 333—6.  
 Gibson, Paul, to Swift & Co. 2,715,613, Cl. 252—321.  
 Gibson Refrigerator Co.: *See—*  
 Rasmussen, Luther A. 2,700,194.  
 Schrader, Milford J. 2,724,628.  
 Shank, Kenneth P. 2,722,050.  
 Gibson, Richard F.: *See—*  
 Old, Albert F., and Gibson. 2,721,069.  
 Gibson, Richard J., and E. J. McCullough. 2,704,138, Cl. 188—80.  
 Gibson, Walter C. 2,717,721, Cl. 222—92.  
 Giddings & Lewis Machine Tool Co.: *See—*  
 Daugherty, Jesse. 2,706,432.  
 Jones, Gordon H. 2,709,928.  
 Giebler, Walter H. 2,719,445, Cl. 81—53.  
 Gieffers, Friedrich, to Siemens-Schuckertwerke Aktiengesellschaft. 2,724,756, Cl. 200—150.  
 Giemza, Thadeus J., to Whitin Machine Works. 2,705,817, Cl. 19—135.  
 Gier, Francis T., and F. P. Tagliaferri, ½ to S. Hoffman. 2,721,575, Cl. 137—493.8.  
 Gier, John R., Jr. 2,722,048, Cl. 29—157.3.  
 Gier, Joseph T., R. V. Dunkle, and F. A. Brooks, to The Regents of The University of California. 2,707,881, Cl. 73—355.  
 Gier, Richard W. 2,728,168, Cl. 46—103.  
 Gierlich, Raymond A., to Continental Machines, Inc. 2,707,835, Cl. 33—168.  
 Giese, Alphonse J., to Vulcan Corp. 2,721,590, Cl. 144—309.  
 Giese, Carl R.: *See—*  
 Quinby, Charles E., Udale, and Giese. 2,705,866.  
 Giese, Lawrence F., and D. W. Harling, to McGraw Electric Co. 2,721,719, Cl. 248—221.  
 Gieske, William R., to The Ford Alexander Corp. 2,698,920, Cl. 324—34.  
 Gieske, William R., to The Ford Alexander Corp. 2,717,039, Cl. 166—65.  
 Giesse, Robert C., and W. R. Ludka, to Vulcan Copper & Supply Co. 2,703,274, Cl. 23—270.  
 Giffey, Joseph W.: *See—*  
 White, Wilfried F., and Giffey. 2,713,021.  
 Gifford, Harry P., to Hamilton Watch Co. 2,704,705, Cl. 51—293.  
 Gifford, James S. 2,706,873, Cl. 51—137.  
 Gifford-Wood Co.: *See—*  
 Sofield, David De Roy. 2,728,124.



- Gilardi, William D. 2,717,111, Cl. 224—45.  
 Gilbert, A. C., Co., The: *See*—  
   Degelman, John. 2,722,650.  
   Frisbie, Marshall H., and Morse. 2,716,269.  
   Schmidt, Frederick W. 2,709,035.  
   Smith, William R. and R. E. 2,708,885.  
   Ziebell, William J. 2,706,804.  
 Gilbert, Alfred R., to General Electric Co. 2,717,902, Cl. 260—448.2.  
 Gilbert & Barker Mfg. Co.: *See*—  
   Grimmeisen, Herman O. 2,720,359.  
   Grise, Albert L. 2,718,276.  
   MacDonnell, James A. 2,721,572.  
   Rapisarda, Edward D. 2,710,678.  
   Tapp, Harry F., and Bickford. 2,720,333.  
 Gilbert & Bennett Mfg. Co., The: *See*—  
   Billinger, Ben B. 2,721,653.  
 Gilbert, Charles E., deceased; M. D. Gilbert, N. Coates, and The Chase National Bank of the City of New York, executors, to Gilbert Mfg. Co., Inc. 2,699,574, Cl. 18—20.  
 Gilbert, Charles E., deceased; M. D. Gilbert, N. Coates, and The Chase National Bank of the City of New York, executors. 2,700,206, Cl. 29—155.55.  
 Gilbert, Charles E., deceased; M. D. Gilbert, N. Coates, and The Chase National Bank of the City of New York, executors. 2,721,985, Cl. 339—180.  
 Gilbert, Charles E., deceased; M. D. Gilbert, N. Coates, and The Chase National Bank of the City of New York, executors. 2,723,327, Cl. 200—168.  
 Gilbert, Clyde L., to Robert Gair Co., Inc. 2,719,649, Cl. 220—113.  
 Gilbert, Everett E., to Allied Chemical & Dye Corp. 2,702,305, Cl. 260—648.  
 Gilbert, Everett E., and S. L. Giolito, to Allied Chemical & Dye Corp. 2,704,295, Cl. 260—505.  
 Gilbert, Everett E., W. J. Moran, and J. K. Petry, to Allied Chemical & Dye Corp. 2,723,990, Cl. 260—505.  
 Gilbert, Frank U. S.: *See*—  
   Harrison, Joseph, Jr., and Gilbert. 2,699,246.  
 Gilbert, Frank U. S., and J. Harrison, Jr., to Cleveland Cleaner & Paste Co. 2,705,584, Cl. 226—15.  
 Gilbert, Frank U. S., J. Harrison, Jr., and G. A. Kruse, to The Cleveland Cleaner and Paste Co. 2,713,959, Cl. 226—15.  
 Gilbert, George R.: *See*—  
   Kearby, Kenneth K., Kirshenbaum, and Gilbert. 2,728,713.  
 Gilbert, George R., to Standard Oil Development Co. 2,700,018, Cl. 202—16.  
 Gilbert, Harry, and F. F. Miller, to The B. F. Goodrich Co. 2,716,104, Cl. 260—78.5.  
 Gilbert, Harry, and F. F. Miller, to The B. F. Goodrich Co. 2,716,105, Cl. 260—78.5.  
 Gilbert, Harry, and F. F. Miller, to The B. F. Goodrich Co. 2,716,106, Cl. 260—78.5.  
 Gilbert, Henry L., A. D. Cavett, and W. E. Brennan, II. 2,702,239, Cl. 75—10.  
 Gilbert, Jack H. 2,709,548, Cl. 229—51.  
 Gilbert, Joseph A.: *See*—  
   Rose, Alfred G., and Gilbert. 2,724,483.  
 Gilbert Mfg. Co., Inc.: *See*—  
   Gilbert, Charles E. 2,699,574.  
   Keeler, Frederick D., and D'Angelo. 2,724,810.  
 Gilbert, Margaret D.: *See*—  
   Gilbert, Charles E. 2,699,574.  
   Gilbert, Charles E. 2,700,206.  
   Gilbert, Charles E. 2,723,327.  
   Gilbert, Charles E. and M. D., and Coates. 2,721,985.  
 Gilbert, Paul T., Jr., to Beckman Instruments, Inc. 2,714,833, Cl. 88—14.  
 Gilbert, Ronald A.: *See*—  
   Barlow, Benjamin W., and Gilbert. 2,699,855.  
 Gilbert, Samuel, to Bendix Aviation Corp. 2,710,763, Cl. 287—103.  
 Gilbert, Thomas J. 2,706,614, Cl. 254—164.  
 Gilbert, Wesley R., to C. I. Hayes, Inc. 2,701,446, Cl. 60—52.  
 Gilbert, Wesley R., to C. I. Hayes, Inc. 2,701,712, Cl. 266—5.  
 Gilbert, William A., and D. I. Critoph, to American Optical Co. 2,703,045, Cl. 98—121.  
 Gilbert, William L., Clock Corp., The: *See*—  
   Morganson, Peter H. 2,721,281.  
   Morganson, Peter H. 2,722,615.  
 Gilbertson, Chester R., to Mt. Baker Plywood, Inc. 2,712,840, Cl. 144—117.  
 Gilbreath, Robert I. 2,705,663, Cl. 299—150.  
 Gilchrist, Allan E.: *See*—  
   Herzog, Philip C., and Gilchrist. 2,709,689.  
 Gilchrist, Allan E., L. D. Harrup, R. C. Hendrickson, and D. T. Rehore, to The Glidden Co. 2,722,523, Cl. 260—17.3.  
 Gilchrist, David E., and J. Verger, to Deere & Co. 2,719,635, Cl. 214—19.  
 Gilchrist, John E., to American Machine and Metals, Inc. 2,709,080, Cl. 270—84.  
 Gilchrist, Thomas R.: *See*—  
   Travilla, James C., and Gilchrist. 2,705,924.  
 Gilde, Rolf. 2,700,295, Cl. 72—30.  
 Gilder, John A.: *See*—  
   Cole, Raymond S., and Gilder. 2,719,538.  
 Gildersleeve, William E., to Selas Corp. of America. 2,719,537, Cl. 137—251.  
 Giles, David J., to Latrobe Steel Co. 2,709,132, Cl. 75—128.  
 Giles, Frank E.: *See*—  
   Glover, William F., and Giles. 2,713,007.  
 Giles, Melvin L., and C. L. Wells. 2,712,434, Cl. 255—1.6.  
 Gilfillan Bros., Inc.: *See*—  
   Deen, James R. 2,720,585.  
   Tasker, Homer G. 2,709,252.  
   Tasker, Homer G., and Olson. 2,717,377.  
   Tryon, Robert M. 2,698,914.  
 Gilford, Saul R.: *See*—  
   Brown, Ellis M., Lee, and Gilford. 2,713,308.  
   Herson, Jacob L., Gilford, and Saito. 2,702,353.  
 Gilhooly, Francis P.: *See*—  
   Koeper, Casper J., Gilhooly, and Wasserman. 2,704,033.  
   Thomas, Harold E., and Gilhooly. 2,712,284.  
 Gilberty, James V. 2,721,445, Cl. 60—35.6.  
 Gilkey, Arthur K. 2,724,182, Cl. 33—1.  
 Gilkey, John W., to Dow Corning Corp. 2,723,986, Cl. 260—448.2.  
 Gill, Everett: *See*—  
   Bailey, Roy W., Faull, and Gill. 2,699,868.  
 Gill, Gerald C. 2,721,789, Cl. 23—282.  
 Gill, Frank P.: *See*—  
   Wells, Harold R., and Gill. 2,706,173.  
 Gill, Melville K., to Tennessee Corp. 2,721,678, Cl. 222—445.  
 Gill, Merwyn C., and J. F. Self, to Aerojet-General Corp. 2,703,313, Cl. 210—24.  
 Gill, Walter L. 2,717,610, Cl. 137—43.  
 Gill, Walter L. 2,727,524, Cl. 137—43.  
 Gill, William M., and E. D. Vold. 2,716,882, Cl. 70—159.  
 Gillam, Edward D. 2,700,456, Cl. 206—45.14.  
 Gillam, Edward D. 2,714,446, Cl. 206—45.31.  
 Gille, Nils J., to See Fabriks Aktiebolag. 2,703,999, Cl. 80—14.  
 Gille, Willis H., and R. J. Kutzler, to Minneapolis-Honeywell Regulator Co. 2,710,730, Cl. 244—77.  
 Gillem, Walter F. 2,710,982, Cl. 15—187.  
 Gillen, John L., to Hearthplace, Inc. 2,707,464, Cl. 126—121.  
 Giller, Robert H. 2,710,609, Cl. 128—21.  
 Gillespie, Daniel C., to Borg-Warner Corp. 2,706,647, Cl. 285—6.5.  
 Gillette Co., The: *See*—  
   Brown, Alfred E. 2,717,228.  
   De Mytt, Louis E., and Hannigan. 2,708,940.  
   Reed, Raymond E. 2,718,068.  
   Shnitzler, Meyer J., Norton, and Kindred. 2,707,551.  
   Shnitzler, Meyer J., and Sinclair. 2,702,116.  
   Sinclair, Robert L. 2,722,308.  
 Gillette, Frank N., and G. W. King, to General Precision Laboratory Inc. 2,704,307, Cl. 178—69.5.  
 Gillette, Frank N., and G. W. King, to General Precision Laboratory Inc. 2,712,064, Cl. 250—27.  
 Gillette, Frank N., R. L. Garman, and L. L. Pourciau, to General Precision Laboratory Inc. 2,714,131, Cl. 178—7.4.  
 Gillette, Harold R.: *See*—  
   Bacon, Ernest N. 2,708,773.  
 Gilliam, Thomas B. 2,718,124, Cl. 62—106.  
 Gillick, Lorraine H., T. J. Lehane, and N. O. Kirkby, to Vapor Heating Corp. 2,701,128, Cl. 257—3.  
 Gillie, Harry W. 2,721,234, Cl. 179—156.  
 Gillies, Daniel M.: *See*—  
   Conant, Louis A., and Gillies. 2,698,990.  
 Gilliland, Edwin R.: *See*—  
   Lewis, Warren K., and Gilliland. 2,712,728.  
   Lewis, Warren K., and Gilliland. 2,718,754.  
   Lewis, Warren K., Gilliland, and McCurdy. 2,715,948.  
 Gilliland, William H., and F. H. Turnham, to Usco Power Equipment Corp. 2,709,739, Cl. 200—170.  
 Gillmor, Robert E.: *See*—  
   Fisher, Webster E., and Gillmor. 2,701,210.  
 Gilstrom, Harold A., to Gustave Lidseen, Inc. 2,711,109, Cl. 81—3.  
 Gillum, Lawrence D., and C. R. Kingsbury, to said C. R. Kingsbury. 2,725,836, Cl. 112—2.  
 Gilman, Marvin A., to Clay-Adams, Inc. 2,728,229, Cl. 73—373.  
 Gilmer, Richard W.: *See*—  
   Hartman, Robert E. C., and Gilmer. 2,717,507.  
 Gilmont, Roger, to The Emil Greiner Co. 2,702,047, Cl. 137—495.  
 Gilmore, Clement R. 2,700,417, Cl. 158—91.  
 Gilmore, Clement R. 2,700,418, Cl. 158—91.  
 Gilmore, Clement R. 2,700,419, Cl. 158—91.  
 Gilmore, Forrest E., to Phillips Petroleum Co. 2,710,278, Cl. 196—8.  
 Gilmore, Forrest E., to Phillips Petroleum Co. 2,719,206, Cl. 210—42.5.  
 Gilmore, Lloyd J., and V. C. Hankins. 2,700,519, Cl. 246—428.  
 Gilmour, Robert A.: *See*—  
   Glessner, Paul B. 2,722,456.  
 Gilpin, John C. 2,721,697, Cl. 235—62.  
 Gilroy, John, J. A. Weaver, and W. W. Hay, to Air Reduction Co., Inc. 2,699,927, Cl. 261—21.  
 Gilroy, John, and P. G. Eckman, to Air Reduction Co., Inc. 2,702,546, Cl. 128—191.  
 Gilruth, Robert R., to The Hydrofoil Corp. 2,703,063, Cl. 114—66.5.  
 Gilson, Joseph L. 2,726,036, Cl. 233—11.  
 Gilson, Pierre C. J. 2,701,653, Cl. 214—17.  
 Gilstrap, Vernon M., to The American Securit Co. 2,724,215, Cl. 49—45.  
 Giltges, Aloys: *See*—  
   Welz, Harry, and Giltges. 2,721,880.  
 Gilwood, Martin E., to The Permutit Co. 2,702,795, Cl. 260—2.1.  
 Gim, Harry. 2,718,175, Cl. 88—98.  
 Gimalouski, Edward A., and C. S. Kowalski, to Pioneer Parachute Co., Inc. 2,726,832, Cl. 244—151.



- Gindele, Quentin J., to Avco Mfg. Corp. 2,700,078, Cl. 200—61.79.
- Gingher, Clair H. 2,716,429, Cl. 139—205.
- Ginn, Wells W., to Vejin, Inc. 2,721,803, Cl. 99—118.
- Ginsberg, Leon, to Quick-Way Clamp Co. 2,724,604, Cl. 287—58.
- Ginther, Byron H.: *See*—  
Yunker, George. 2,716,166.
- Gintling, John A., ½ to T. M. Waranch. 2,702,028, Cl. 123—117.
- Gintzon, Edward L., to The Board of Trustees of The Leland Stanford Junior University. 2,702,366, Cl. 324—58.
- Gintzon, Edward L., and F. L. Salisbury, to The Sperry Corp. 2,703,365, Cl. 250—39.
- Giolito, Silvio L.: *See*—  
Gilbert, Everett E., and Giolito. 2,704,295.
- Gionet, Leo A., to Modern Equipment Co. 2,713,481, Cl. 266—43.
- Gionet, Leo A., to Modern Equipment Co. 2,721,073, Cl. 266—27.
- Giordano, Enrico. 2,705,445, Cl. 97—47.33.
- Giordano, Peter A. 2,722,770, Cl. 43—55.
- Giovanola Freres S. A.: *See*—  
Dumur, Marc. 2,724,343.
- Girard, Alexandre A. L. 2,720,944, Cl. 188—88.
- Girard, Alexandre A. L. 2,722,289, Cl. 188—89.
- Girard, Alexandre A. L. 2,724,173, Cl. 29—156.4.
- Girard, André: *See*—  
Magui, Bernard, and Girard. 2,704,535.
- Girard, André, to Les Laboratoires Francais de Chimio-therapie. 2,727,041, Cl. 260—295.
- Girard, Marie P.: *See*—  
Cettel, Louis L., and Girard. 2,705,006.
- Girardy, Adolphe-John: *See*—  
Maire, Charles, and Fahrni. 2,717,623.
- Giraud, Ettore. 2,714,870, Cl. 118—2.
- Girling Ltd.: *See*—  
Hughes, Herbert W. S., and Bonner. 2,704,944.
- Pratt, James H. 2,720,954.
- Stock, Charles S. R. 2,717,669.
- Girod, Emil, to J. R. Geigy A. G. 2,708,207, Cl. 260—567.6.
- Girod, Emil, and F. Häfliger, to J. R. Geigy A. G. 2,708,206, Cl. 260—482.
- Girodin, Marius G. H. 2,702,483, Cl. 74—60.
- Girouard, Edgar A., to Royal McBee Corp. 2,707,544, Cl. 197—17.
- Girten, Frederick M. 2,699,747, Cl. 116—69.
- Gish, Benjamin F.: *See*—  
Brown, Forrest G., and Gish. 2,702,181.
- Gisholt Machine Co.: *See*—  
Leifer, Lorenz A. 2,725,775.
- Gisiger, Armin. 2,719,403, Cl. 58—90.
- Gisiger, Armin. 2,720,748, Cl. 58—88.
- Giskes, Johannes H., and C. Segaar, to Staatsbedrijf der Posterijen, Telegrafie en Telefonie. 2,707,101, Cl. 271—2.5.
- Giskes, Johannes H., and C. Segaar, to Staatsbedrijf der Posterijen, Telegrafie en Telefonie. 2,727,226, Cl. 340—259.
- Gisler, Henry J., and J. W. Jelks, to Mining Process and Patent Co. 2,723,032, Cl. 209—401.
- Gisondi, Emanuel. 2,711,115, Cl. 85—23.
- Gisondi, Emanuel. 2,720,135, Cl. 85—2.4.
- Gist, William B., and R. E. Weiler, to the United States of America as represented by the Secretary of the Navy. 2,726,509, Cl. 60—35.6.
- Gisvold, Ole, to Regents of the University of Minnesota. 2,702,808, Cl. 260—343.7.
- Gisvold, Ole. 2,713,584, Cl. 260—314.
- Gits Bros. Mfg. Co.: *See*—  
Wahl, Edward C. 2,712,459.
- Gits, Joseph A.: *See*—  
Gits, Jules P. 2,715,326.
- Gits, Jules P. and J. A. 2,711,840.
- Gits, Jules P., ½ to J. A. Gits. 2,715,326, Cl. 65—66.
- Gits, Jules P. and J. A. 2,711,840, Cl. 220—42.
- Gits Molding Corp.: *See*—  
Nigro, Joseph G. Re. 24,085.
- Nigro, Joseph G. 2,720,760.
- Gitt, Harry N., 2nd. 2,705,327, Cl. 2—161.
- Gitter, George R., to Western Electric Co., Inc. 2,727,310, Cl. 33—174.
- Gittings, John B.: *See*—  
Gittings, William L. and J. B., and Olsen. 2,699,816.
- Gittings, William L. and J. B., and A. Olsen, to Gold Medal Folding Furniture Co. 2,699,816, Cl. 155—140.
- Giuliano, Paul S., to C. R. Seim. 2,725,902, Cl. 140—118.
- Givaudan Corp., The: *See*—  
Kretschmar, Gustave. 2,703,310.
- Gjerde, Arne. 2,719,547, Cl. 143—6.
- Glab, William T., to Carr, Adams & Collier Co. 2,706,160, Cl. 106—163.
- Glab, William T., to Carr, Adams & Collier Co. 2,708,637, Cl. 106—163.
- Glacier Metal Co. Ltd.: *See*—  
Fulton, Hugh W., Stead, and More. 2,723,079.
- Love, Phil P. 2,710,236.
- Love, Phil P., and Mitchell. 2,704,234.
- Gladden, John A.: *See*—  
Murrell, John T., Gladden, and Dew. 2,709,808.
- Gladding, McBean & Co.: *See*—  
Compton, Max D., and Ragan. 2,700,008.
- Gladen, Carl F. 2,699,768, Cl. 124—29.
- Gladrow, Elroy M.: *See*—  
Kimberlin, Charles N., Jr., and Gladrow. 2,708,186.
- Gladu, Amédée J.: *See*—  
Fourrestier, Max, Gladu, and Vulmière. 2,699,770.
- Glancy, Walter P. 2,725,078, Cl. 137—791.
- Glanz, Lester W. 2,711,628, Cl. 59—7.
- Glasco, Paul N., 50% to G. B. Clark, Jr. 2,701,672, Cl. 226—20.6.
- Glascock Brothers Mfg. Co.: *See*—  
Crist, Buckley. 2,726,841.
- Glascock, Charles D. 2,727,562, Cl. 155—120.
- Glas-Col Apparatus Co., Inc.: *See*—  
Morey, Glenn H. 2,700,097.
- Glascott, Grace G. 2,720,316, Cl. 211—90.
- Glasebrook, Arthur L., to Hercules Powder Co. 2,710,878, Cl. 260—532.
- Glaser, Aladar: *See*—  
Litvan, Jozsef, and Glaser. 2,721,358.
- Glaser, Eric. 2,713,489, Cl. 273—86.
- Glaser, Gustave, Co., Inc.: *See*—  
Semenyina, Waldimir. 2,698,535.
- Glaser, Lucy, now by marriage Lucy Merritt, to Ethyl Corp. 2,725,406, Cl. 260—650.
- Glasgow, Clarence O.: *See*—  
Walker, Jay P., Glasgow, and Francis. 2,713,919.
- Glasgow, Clarence O., to National Tank Co. 2,720,891, Cl. 137—510.
- Glasgow, Ralph A.: *See*—  
Baker, Edmond L. 2,721,076.
- Glaskyd Inc.: *See*—  
Howald, Arthur M., and Rheinfrank. 2,701,054.
- Glasmann, Kenneth J.: *See*—  
Schroeder, John A., and Glasmann. 2,712,320.
- Glass, Antonina S.: *See*—  
Glass, George B. 2,702,547.
- Glass, Arthur A. 2,716,831, Cl. 43—42.31.
- Glass, Florence M. and L. E. 2,712,844, Cl. 150—40.
- Glass, Floyd M., to the United States of America as represented by the United States Atomic Energy Commission. 2,728,861, Cl. 250—83.6.
- Glass, George B., to A. S. Glass. 2,702,547, Cl. 128—218.
- Glass, Henry P. 2,714,542, Cl. 311—84.
- Glass, John P., Jr. 2,718,702, Cl. 33—25.
- Glass, Leon E.: *See*—  
Glass, Florence M. and L. E. 2,712,844.
- Glass, Marvin I.: *See*—  
Young, George G. 2,716,839.
- Glass, Marvin I. 2,713,748, Cl. 46—133.
- Glassen, Henry, Jr. 2,700,546, Cl. 273—102.2.
- Glassenhart, Alfons, and W. J. Stolz. 2,705,623, Cl. 261—29.
- Glasser, John L.: *See*—  
Lankford, Frank E., and Glasser. 2,721,035.
- Glasser, Julian, to Kennecott Copper Corp. 2,706,153, Cl. 75—84.
- Glasser, Julian, and C. A. Hampel, to Kennecott Copper Corp. 2,703,752, Cl. 75—84.
- Glasser, Sidney P., and D. Johnson, to Westinghouse Electric Corp. 2,718,439, Cl. 308—187.
- Glass Fibers Inc.: *See*—  
Balz, Emil H. 2,700,010.
- Draper, James C., Plummer, and Clayton. 2,704,734.
- Glassmaker, Leonard W. 2,723,103, Cl. 254—80.
- Glassman, Jacob A., and M. M. Hoffman. 2,705,335, Cl. 15—136.
- Glatt, Herbert. 2,704,730, Cl. 117—98.
- Glatzer, Harold: *See*—  
Zuckerman, Samuel G. 2,707,834.
- Glaza, Thaddeus J., to Crane Co. 2,714,043, Cl. 302—57.
- Glazer, Ben D. 2,714,255, Cl. 33—46.
- Glazier, Edwin M., to Gulf Research & Development Co. 2,728,650, Cl. 48—196.
- Glaz-Wrap Packaging Co.: *See*—  
Rumsey, Herbert, Jr. 2,725,699.
- Gleasman, Vernon E. 2,700,984, Cl. 137—622.5.
- Gleasman, Vernon E. 2,700,985, Cl. 137—622.5.
- Gleason, Anthony H.: *See*—  
Jares, Stanley E., Gleason, and Leary. 2,728,801.
- Leary, Robert F., Jares, and Gleason. 2,712,562.
- Gleason, Anthony H., to Esso Research and Engineering Co. 2,712,561, Cl. 260—669.
- Gleason, Clarence L. 2,715,525, Cl. 262—15.
- Gleason, Paul J., and W. A. Orth, to The Electric Storage Battery Co. 2,700,449, Cl. 198—27.
- Gleason Works, The: *See*—  
Adair, Robert V., and Vandevate. 2,699,412.
- Bauer, Oliver F., and Peck. 2,726,488.
- Hartman, Herbert G., McMullen, and Patchin. 2,706,420.
- King, Charles B. 2,718,176.
- Peters, Joseph M. 2,718,402.
- Wildhaber, Ernest. 2,725,792.
- Gleason, John D., to Deere Mfg. Co. 2,714,291, Cl. 60—97.
- Gleim, William E.: *See*—  
Rively, Clair M., and Gleim. 2,725,525.
- Gleim, William K. T.: *See*—  
Chenicek, Joseph A., and Gleim. 2,714,104.
- Gleitz, Jerome D., to The Marquette Metal Products Co. 2,708,336, Cl. 57—130.
- Glen, Stanley G.: *See*—  
Dolnick, Seymour S., and Glen. 2,721,818.
- Glen, William L.: *See*—  
Grant, Gordon A., Glen, and Barber. 2,727,898.
- Glen, William L., B. D'Urfe, G. S. Myers, R. J. Barber, and G. A. Grant, to American Home Products Corp. 2,715,121, Cl. 260—209.
- Glencoe Mfg. Co.: *See*—  
Rolf, Elmer A. 2,712,781.



- Glendining, Phillip N. 2,718,098, Cl. 51—92.  
 Glenn, Ashley C. 2,710,039, Cl. 152—418.  
 Glenn, Charles W.: *See—*  
   Wagner, Willard F. 2,711,639.  
   Wagner, Willard F. 2,720,098.  
 Glenn, George G. 2,725,911, Cl. 145—33.  
 Glenn, Howard J.: *See—*  
   Schock, Richard U., Swett, and Glenn. 2,714,597.  
 Glenn, Irving G. 2,721,247, Cl. 201—67.  
 Glenn, L. & L., Proprietary Ltd.: *See—*  
   Steanes, Geoffrey H. 2,722,772.  
 Glenn L. Martin Co., The: *See—*  
   Stark, Sidney, Evans, Fischer, and Norton. 2,723,528.  
 Glenn Mills, Incorporated: *See—*  
   Poovey, Perry D. 2,703,440.  
 Glenn, Thomas C. 2,717,784, Cl. 280—11.3.  
 Glenn, William E., Jr., and A. E. Larsh, Jr., to the United States of America as represented by the United States Atomic Energy Commission. 2,715,181, Cl. 250—27.  
 Glennon, James B., C. M. Van Atta, and F. W. Brown, III. 2,703,052, Cl. 102—18.  
 Glennon, James B., and R. W. Wallace. 2,704,030, Cl. 102—16.  
 Glensky, William E., to The West Co., Inc. 2,705,085, Cl. 215—42.  
 Glessner, Paul B.,  $\frac{1}{2}$  to R. A. Gilmour. 2,722,456, Cl. 299—58.  
 Glick, Jack, and I. M. Schuyler, to Skylon Corp. 2,718,009, Cl. 2—42.  
 Glicker, Herman. 2,728,467, Cl. 214—16.1.  
 Glickman, George J. 2,716,407, Cl. 128—155.  
 Glickman, Mannes N., and M. Klebanoff. 2,700,710, Cl. 200—88.  
 Glidden Co., The: *See—*  
   Ariotti, Guido. 2,724,615.  
   Cochran, Walter M., and Carter. 2,708,634.  
   Cochran, Walter M., and McGee. 2,726,158.  
   Gilchrist, Allan E., Harrup, Hendrickson, and Rehor. 2,722,523.  
   Herzog, Philip C., and Gilchrist. 2,709,689.  
   Julian, Percy L. 2,705,233.  
   Julian, Percy L., Iveson, and McClelland. 2,724,649.  
   Julian, Percy L., Printy, and Meyer. 2,705,238.  
   Kiebler, Myron W., Jr., Zier, and Euchner. 2,717,882.  
   McIntosh, William A. 2,726,788.  
   Millar, Ronald L. 2,724,704.  
 Glinka, Carl. 2,703,151, Cl. 183—32.  
 Glinn, Roy J., and P. G. Handoll, to Diamond Power Specialty Corp. 2,722,033, Cl. 15—317.  
 Glishke, Walter U.: *See—*  
   Anderson, John M., Croker, and Glishke. 2,705,781.  
 Glitsch, Fritz W., & Sons, Inc.: *See—*  
   Glitsch, Hans C. 2,701,018.  
   Glitsch, Hans C. 2,705,136.  
   Glitsch, Hans C. 2,707,025.  
 Glitsch, Hans C., to Fritz W. Glitsch & Sons, Inc. 2,701,018, Cl. 164—86.  
 Glitsch, Hans C., to Fritz W. Glitsch & Sons, Inc. 2,705,136, Cl. 261—114.  
 Glitsch, Hans C., to Fritz W. Glitsch & Sons, Inc. 2,707,025, Cl. 164—47.  
 Glumite Corp.: *See—*  
   Barlow, Lester P. 2,723,188.  
 Globe Auto Glass Co.: *See—*  
   Kellman, Joseph, and Rasi. 2,698,753.  
 Globe Envelopes Ltd.: *See—*  
   Norman, Daniel P. 2,708,544.  
   Norman, Daniel P. 2,708,645.  
 Globe Flexible Coupling Co.: *See—*  
   Scott, Leonard E., and Isackson. 2,716,334.  
 Globe Hoist Co.: *See—*  
   Estel, George A., Jr. 2,701,155.  
   Thompson, Elmer B. 2,705,502.  
 Globe-Union Inc.: *See—*  
   Anderson, Walter E. 2,717,273.  
 Globe-Wernicke Co., The: *See—*  
   Budai, Steve G. 2,708,292.  
 Gloess, Paul F. M., to Societe d'Electronique et d'Automatisme. 2,711,526, Cl. 340—167.  
 Glomb, Frank A., to Barnes & Reinecke, Inc. 2,719,002, Cl. 230—172.  
 Gloor, Walter E., to Hercules Powder Co. 2,728,724, Cl. 210—23.  
 Gloor, Walter E., to Hercules Powder Co. 2,728,725, Cl. 210—23.  
 Gloor, Wilbur T., to Baldwin-Lima-Hamilton Corp. 2,703,012, Cl. 73—397.  
 Glooskin, Samuel,  $\frac{1}{2}$  to A. I. Gluskin. 2,703,031, Cl. 82—4.  
 Gloskey, Carl R., to Metal & Thermit Corp. 2,718,522, Cl. 260—429.  
 Glossbrenner, Earl G. 2,711,528, Cl. 340—279.  
 Gloster Aircraft Co. Ltd.: *See—*  
   Longford, Charles G. 2,723,675.  
 Glove Sewers, Inc.: *See—*  
   Brownstein, Louis. 2,702,014.  
 Glove Siding Products Co.: *See—*  
   Robert, John. 2,722,197.  
 Glover, Bill, Inc.: *See—*  
   Glover, William C., Jr. 2,707,874.  
 Glover, Carl. 2,714,780, Cl. 43—131.  
 Glover, Howard L. 2,724,147, Cl. 18—34.  
 Glover, Robert E.: *See—*  
   Allen, Frank C., Glover, Garstka, and Posz. 2,701,472.  
 Glover, Robert S., Jr., to Hercules Powder Co. 2,724,705, Cl. 260—26.  
 Glover, W. T., & Co. Ltd.: *See—*  
   Davey, Edward L. 2,709,197.  
 Glover, William C., Jr., to Bill Glover, Inc. 2,707,874, Cl. 68—5.  
 Glover, William F., and F. E. Giles, to International Standard Electric Corp. 2,713,007, Cl. 117—113.  
 Gluckin, Harry, deceased; L. Gluckin, C. Turner, and C. Rosenbaum, executors. 2,704,845, Cl. 2—42.  
 Gluckin, Lawrence: *See—*  
   Gluckin, Harry. 2,704,845.  
 Gluckman, Maxfield. 2,724,767, Cl. 240—4.  
 Gluesenkamp, Earl W., to Monsanto Chemical Co. 2,723,189, Cl. 71—2.3.  
 Gluesenkamp, Earl W., and T. M. Patrick, Jr., to Monsanto Chemical Co. 2,704,759, Cl. 260—290.  
 Gluesenkamp, Earl W., and T. M. Patrick, Jr., to Monsanto Chemical Co. 2,710,873, Cl. 260—348.  
 Gluskin, Arthur I.: *See—*  
   Glooskin, Samuel. 2,703,031.  
 Gluyas, Thomas M., Jr., to Radio Corp. of America. 2,707,772, Cl. 333—35.  
 Gluyas, Thomas M., Jr., to Radio Corp. of America. 2,710,894, Cl. 179—171.  
 Gluyas, Thomas M., Jr., to Radio Corp. of America. 2,728,892, Cl. 332—63.  
 Glynn, Edwin A., to Super Mold Corp. of California. 2,718,040, Cl. 22—58.  
 Glynn, Theodore W., to Blue Ridge Glass Corp. 2,706,763, Cl. 219—19.  
 Glynn, Theodore W., to Blue Ridge Glass Corp. 2,709,211, Cl. 201—63.  
 Glynn, Theodore W., to Blue Ridge Glass Corp. 2,710,493, Cl. 49—45.  
 Glynn, Theodore W., to Blue Ridge Glass Corp. 2,716,696, Cl. 219—34.  
 Glynn, William B. 2,709,623, Cl. 299—60.  
 Gnagy, Raymond O. 2,713,741, Cl. 43—16.  
 Goad, William H. 2,717,681, Cl. 193—11.  
 Goasguen, Jean V.: *See—*  
   Escure, Marcel M. 2,698,952.  
 Gobat, André R., to International Telephone and Telegraph Corp. 2,726,279, Cl. 136—120.  
 Gobbi, Diego. 2,722,152, Cl. 84—355.  
 Goble, Ralph W., to Oilwell Drain Hole Drilling Co. 2,716,542, Cl. 255—28.  
 Goble, Ralph W., to Eastman Oil Well Survey Co. 2,728,554, Cl. 255—1.6.  
 Gobron, Georges: *See—*  
   Alhéritière, Louis, and Gobron. 2,713,598.  
 Gochenour, Alice M.: *See—*  
   Gochenour, Raymond B. and A. M. 2,728,859.  
 Gochenour, Raymond B.: *See—*  
   Brueckner, Alfred H., Meadows, and W. S. and R. B. Gochenour. 2,720,485.  
 Gochenour, Raymond B. and A. M., to Allied Laboratories, Inc. 2,728,859, Cl. 250—49.  
 Gochenour, William S.: *See—*  
   Brueckner, Alfred H., Meadows, and W. S. and R. B. Gochenour. 2,720,485.  
   Meadows, Carl M., Brueckner, and Gochenour. 2,720,484.  
 Goda, Ernest H.: *See—*  
   Bahnsen, Monroe J., Goda, and McIntyre. 2,702,757.  
 Goda, Lawrence B., Sr. 2,717,177, Cl. 299—86.  
 Godat, Abel, to Bulova Watch Co. Inc. New York. 2,700,273, Cl. 58—140.  
 Godbey, John W.: *See—*  
   McMichael, Charles E., Godbey, and Zehnder. 2,717,256.  
 Godbey, Josiah J. 2,702,961, Cl. 43—35.  
 Godchaux, Paul L., II, and C. A. Borchers. 2,715,365, Cl. 102—27.  
 Goddard, Cecil H. 2,716,503, Cl. 214—359.  
 Goddard, Charles H. 2,706,353, Cl. 40—130.  
 Goddard, Charles T., to Bell Telephone Laboratories, Inc. 2,719,246, Cl. 315—5.  
 Goddard, Esther C.: *See—*  
   Goddard, Robert H. 2,709,887.  
   Goddard, Robert H. 2,709,890.  
   Goddard, Robert H. 2,712,962.  
   Goddard, Robert H. 2,717,182.  
   Goddard, Robert H. 2,718,899.  
   Goddard, Robert H. 2,722,100.  
   Goddard, Robert H. 2,726,510.  
 Goddard, Robert H., deceased, by E. C. Goddard, executrix,  $\frac{1}{2}$  to The Daniel and Florence Guggenheim Foundation. 2,709,887, Cl. 60—35.6.  
 Goddard, Robert H., deceased, by E. C. Goddard, executrix,  $\frac{1}{2}$  to The Daniel and Florence Guggenheim Foundation. 2,709,890, Cl. 60—35.6.  
 Goddard, Robert H., deceased, by E. C. Goddard, executrix,  $\frac{1}{2}$  to The Daniel and Florence Guggenheim Foundation. 2,712,962, Cl. 299—121.  
 Goddard, Robert H., deceased; E. C. Goddard, executrix,  $\frac{1}{2}$  to The Daniel and Florence Guggenheim Foundation. 2,717,182, Cl. 308—9.  
 Goddard, Robert H., deceased, by E. C. Goddard, executrix,  $\frac{1}{2}$  to The Daniel and Florence Guggenheim Foundation. 2,718,899, Cl. 137—463.  
 Goddard, Robert H., deceased (E. C. Goddard, executrix),  $\frac{1}{2}$  to The Daniel and Florence Guggenheim Foundation. 2,722,100, Cl. 60—39.46.



- Goddard, Robert H., deceased, by E. C. Goddard, executrix,  $\frac{1}{2}$  to The Daniel and Florence Guggenheim Foundation. 2,726,510, Cl. 60—35.54.
- Godehn, Donald J.: *See—*  
Griset, Ernest J., Jr., Godehn, Nothstein, and Whitehurst. 2,724,956.
- Godfrey, Nell W. 2,700,587, Cl. 312—231.
- Godley, Philip, 2nd: *See—*  
Clough, Philip J., and Godley. 2,703,334.
- Godon, Yvan A. 2,717,467, Cl. 43—35.
- Godowsky, Leopold, to Eastman Kodak Co. 2,698,794, Cl. 95—2.
- Godowsky, Leopold, and L. M. Minsk, to Eastman Kodak Co. 2,698,797, Cl. 95—2.
- Godsey, Arnold R., Jr., to Electro Manganese Corp. 2,723,230, Cl. 204—286.
- Godshalk, James B.: *See—*  
Lowry, Emory S., Anton, and Godshalk. 2,710,936.
- Godshalk, James B., and E. S. Lowry, to Fox Products Co. 2,710,937, Cl. 320—2.
- Godshalk, James B., A. Anton, and G. Rezek, to Fox Products Co. 2,715,710, Cl. 320—22.
- Godshalk, Russell L., to The Babcock & Wilcox Co. 2,703,559, Cl. 122—6.
- Godshalk, Russell L., and G. J. Shoessow, to The Babcock & Wilcox Co. 2,700,375, Cl. 122—6.
- Godwin, Clifford B. 2,709,929, Cl. 74—794.
- Godwin, Edgar M., Sr. 2,713,689, Cl. 5—119.
- Godwin, Hiram F. 2,724,227, Cl. 56—7.
- Goebel, Charles G., to Emery Industries, Inc. 2,714,603, Cl. 260—416.
- Goebel, Henry R., and G. R. Karr, to Container Corp. of America. 2,704,180, Cl. 229—36.
- Goebel, Herman L., to Mitchell Mfg. Co. 2,711,876, Cl. 248—343.
- Goebel, Kenneth W., to Rohr Aircraft Corp. 2,699,647, Cl. 60—35.6.
- Goebert, Elmer C., and R. J. Lennon. 2,728,581, Cl. 280—41.
- Goeke, Eberhard. 2,721,665, Cl. 214—17.
- Goepfert, George J., and W. A. Spilsbury, to The Carborundum Co. 2,709,647, Cl. 51—298.
- Goepfert, Otto F., and R. W. Landeck, to Ecusta Paper Corp. 2,698,706, Cl. 226—14.
- Goepfrich, George A., to The Skinner Chuck Co. 2,699,915, Cl. 251—121.
- Goepfrich, Rudolph A., to Bendix Aviation Corp. 2,724,461, Cl. 188—78.
- Goepfinger, Edward J.: *See—*  
Bourns, Marlan E., Harrison, Goepfinger, Whitehorn, and Hedges. 2,706,230.
- Goepfinger, Edward J., and M. E. Bourns; said Goepfinger assor. to said Bourns. 2,711,463, Cl. 201—62.
- Goepfinger, Max L., and R. L. Miller, to Magnescope Corp. 2,724,021, Cl. 179—100.2.
- Goerditz, Hans. 2,709,601, Cl. 280—1.202.
- Goering, Harvey L.: *See—*  
Willardson, Robert K., Goering, and Middleton. 2,710,253.
- Goerlich, Reinhard, to International Standard Electric Corp. 2,712,910, Cl. 243—16.
- Goerner, Joseph K., to Jefferson Chemical Co., Inc. 2,715,605, Cl. 202—57.
- Goertz, Raymond C., and R. L. Wathen, to Sperry Rand Corp. 2,724,998, Cl. 89—41.
- Goes, Ernest J.: *See—*  
Balzer, Ralph H., and Goes. 2,719,520.
- Goeser, Paul A., to Swift & Co. 2,704,451, Cl. 73—78.
- Goettl, Adam D. 2,707,656, Cl. 299—58.
- Goettl, Adam D. 2,714,485, Cl. 230—134.
- Goettsch, Walter J.: *See—*  
Nitchie, Charles D., and Goettsch. 2,728,274.
- Goetz, Karl: *See—*  
Pfaffenberger, Erwin, Poppa, and Goetz. 2,706,428.
- Goetz, Louis P., to Phillips Petroleum Co. 2,703,491, Cl. 73—88.5.
- Goetz, Claus G., to Sintercast Corp. of America. 2,714,245, Cl. 29—182.8.
- Goetz, Claus G., to Sintercast Corp. of America. 2,714,556, Cl. 75—203.
- Goff, David C., to Zonolite Co. 2,707,984, Cl. 154—28.
- Goff, John C., to the United States of America as represented by the Secretary of the Navy. 2,713,788, Cl. 73—30.
- Goff, John W., to United Screw Products & Mfg. Co. 2,700,370, Cl. 119—74.
- Goff, John W. 2,714,389, Cl. 137—408.
- Goff, John W. 2,714,390, Cl. 137—408.
- Goff, John W., to United Screw Products & Mfg. Co. 2,714,391, Cl. 137—408.
- Goff, Maurice T. J.: *See—*  
Croft, Arthur, Hammond, and Goff. 2,714,458.
- Gogan, Joseph: *See—*  
Hoern, Joseph H. 2,707,026.
- Gogen, Ridvan I. 2,710,332, Cl. 240—4.
- Gohl, Christ, to Christ Gohl & Son. 2,727,451, Cl. 97—46.89.
- Gohl, Christ & Son: *See—*  
Gohl, Christ. 2,727,451.
- Gohorel, Fernand P., to International Standard Electric Corp. 2,717,924, Cl. 179—18.
- Gohorel, Fernand P., to International Standard Electric Corp. 2,724,019, Cl. 179—18.
- Goin, Donald G.: *See—*  
Le Gros, John E., and Smithwick. 2,713,078.
- Goin, Sanford W. 2,717,462, Cl. 36—71.
- Goins, Archie L. 2,716,390, Cl. 116—119.
- Goins, Robert R.: *See—*  
Bearer, Louis C., and Goins. 2,726,996.
- Goins, Robert R., to Phillips Petroleum Co. 2,719,873, Cl. 260—679.
- Goit, Kenneth E. 2,700,926, Cl. 97—216.
- Gokey, Joseph G., to Structo Mfg. Co. 2,705,388, Cl. 46—214.
- Golaski, Walter M. 2,722,117, Cl. 66—89.
- Golasky, Adolph W. 2,722,812, Cl. 64—17.
- Golaszewski, Walter M.: *See—*  
Witmer, Walter C. 2,710,526.
- Golbeck, Bernard J.: *See—*  
Bruns, Herbert F., and Golbeck. 2,704,028.
- Gold, Daniel: *See—*  
Childers, Alida H., and Gold. 2,711,390.
- Gold, David. 2,727,752, Cl. 280—44.
- Gold, Samuel,  $\frac{1}{4}$  to H. Dickstein and  $\frac{1}{4}$  to P. Reiss. 2,699,616, Cl. 38—14.
- Goldbeck, Martin, Jr., and F. C. Johnson. 2,703,331, Cl. 260—533.
- Goldberg, Aaron S., to Bunting Glider Co. 2,719,572, Cl. 155—105.
- Goldberg, Aaron S., to Nepera Chemical Co., Inc. 2,723,975, Cl. 260—256.4.
- Goldberg, Aaron S., to Nepera Chemical Co., Inc. 2,723,976, Cl. 260—256.4.
- Goldberg, Abraham M.: *See—*  
McClimans, Thomas L. 2,721,585.
- Goldberg, Benjamin D. 2,702,224, Cl. 312—274.
- Goldberg, Bernard W.: *See—*  
Troeger, Henry, and Goldberg. 2,727,371.
- Goldberg, David N. 2,723,016, Cl. 192—107.
- Goldberg, Edwin A., to Radio Corp. of America. 2,714,129, Cl. 178—5.4.
- Goldberg, Ernest W. 2,722,158, Cl. 88—24.
- Goldberg, Ernest W. 2,727,430, Cl. 88—24.
- Goldberg, George, to Metacommet Mfg. Co., Inc. 2,702,067, Cl. 154—1.8.
- Goldberg, Harry H. 2,702,385, Cl. 2—69.5.
- Goldberg, Herman, to Snow Mfg. Co. 2,703,894, Cl. 10—139.
- Goldberg, Jacob M.: *See—*  
Goldberg, Nathan and J. M. 2,700,485.
- Goldberg, Jacob M. and N. 2,718,300, Cl. 206—56.
- Goldberg, Jacob M. and N. 2,728,530, Cl. 242—55.
- Goldberg, Moses W., and S. Teitel, to Hoffmann-La Roche Inc. 2,705,244, Cl. 260—561.
- Goldberg, Moses W., and S. Teitel, to Hoffmann-La Roche Inc. 2,712,215, Cl. 260—558.
- Goldberg, Nathan: *See—*  
Goldberg, Jacob M. and N. 2,718,300.
- Goldberg, Jacob M. and N. 2,728,530.
- Goldberg, Nathan and J. M. 2,700,485, Cl. 220—80.
- Goldberg, Ralph. 2,703,157, Cl. 189—36.
- Goldberg, Ralph. 2,710,393, Cl. 340—227.
- Goldberg, Ralph. 2,718,291, Cl. 189—46.
- Goldberg, Sydney J.: *See—*  
Smith, Robert E., Wuerth, Horsfall, Goldberg, and Leine. 2,713,266.
- Wuerth, John M., Mullins, Smith, Goldberg, and Wilson. 2,713,637.
- Goldblatt, Maurice A.: *See—*  
Goldblatt, Philip and M. A. 2,725,094.
- Goldblatt, Philip and M. A., to Guild Industries Inc. 2,725,094, Cl. 155—124.
- Golden, Abraham. 2,719,422, Cl. 68—240.
- Golden, Abraham H., and M. M. Check, to The Yale & Towne Mfg. Co. 2,720,103, Cl. 70—86.
- Golden, Sidney, to the United States of America as represented by the Secretary of War. 2,712,283, Cl. 102—49.
- Golden, Steven T. 2,723,057, Cl. 222—442.
- Golden Bear Oil Co.: *See—*  
Rostler, Fritz S. 2,704,967.
- Goldenberg, Joseph W.: *See—*  
Schweich, Edward F., Silverstein, and Goldenberg. 2,716,482.
- Goldenberg, Morris L.,  $\frac{1}{3}$  to A. I. Spechler. 2,702,653, Cl. 220—52.
- Goldfield, Edwin R., and R. J. Stava, to Picker X-Ray Corp., Waite Mfg. Div. Inc. 2,707,662, Cl. 311—6.
- Goldfield, Edwin R., R. J. Stava, and E. J. Bastin, to Picker X-Ray Corp., Waite Mfg. Division, Inc. 2,720,595, Cl. 250—71.
- Golding, David R. V., and B. L. Richards, Jr., to E. I. du Pont de Nemours & Co. 2,710,822, Cl. 167—22.
- Golding, Fred E., and J. K. Brinkham. 2,709,478, Cl. 155—44.
- Golding, Frederick E., to Aeon Industries, Inc. 2,714,417, Cl. 155—17.
- Golding, Kenyon E., to Libbey-Owens-Ford Glass Co. 2,708,857, Cl. 88—14.
- Goldman, Alfred, to Leytonstone Jig & Tool Co. Ltd. 2,705,433, Cl. 81—119.
- Goldman, Arthur, to Arvey Corp. 2,709,180, Cl. 260—650.
- Goldman, Ernest A.: *See—*  
Marshall, Donald E., Lewin, and Goldman. 2,727,168.
- Goldman, Ernest A., to Westinghouse Electric Corp. 2,719,098, Cl. 117—124.
- Goldman, Kenneth M.: *See—*  
Derge, Gerhard, and Goldman. 2,706,152.
- Goldman, Leon, to American Cyanamid Co. 2,717,896, Cl. 260—268.
- Goldman, Leon, and R. P. Williams, to American Cyanamid Co. 2,724,712, Cl. 260—268.



- Goldman, Leon, and R. P. Williams, to American Cyanamid Co. 2,724,713, Cl. 260—268.
- Goldman, Louis. 2,706,378, Cl. 58—21.13.
- Goldman, Markus. 2,698,490 Cl. 36—8.5.
- Goldman, Maurice A., to Chicopee Mfg. Corp. 2,710,992, Cl. 19—161.
- Goldman, Sanford L. 2,725,881, Cl. 129—25.
- Gold Medal Folding Furniture Co.: *See—*
- Gittings, William L. and J. B., and Olsen. 2,699,816.
- Goldsberry, Albert W., to The Pure Oil Co. 2,727,855, Cl. 202—181.
- Goldschmidt, Helmut J.: *See—*
- Goldschmidt, Rudolf. 2,704,059.
- Goldschmidt, Rudolf, deceased, by H. J. Goldschmidt, administrator. 2,704,059, Cl. 125—33.
- Goldsmith, Alan S., to Westinghouse Electric Corp. 2,709,748, Cl. 250—27.
- Goldsmith, Alfred N., to Radio Corp. of America. 2,703,339, Cl. 178—5.2.
- Goldsmith, Alfred N., to Radio Corp. of America. 2,728,011, Cl. 313—92.
- Goldsmith, Arnold I. 2,703,542, Cl. 112—151.
- Goldsmith, Ernest E. 2,704,231, Cl. 308—10.
- Goldsmith, Ernest E. 2,709,301, Cl. 32—2.
- Goldsmith, John: *See—*
- Smith, Charles B., and Goldsmith. 2,708,556.
- Goldsmith, Miriam E. 2,723,665, Cl. 128—214.
- Goldsmith, Philip H., and J. J. Verwayen, to The Pusey & Jones Corp. 2,718,823, Cl. 92—43.
- Goldsmith, Shakespeare O. 2,713,725, Cl. 33—174.
- Goldstein, Gabriel F., to Interchemical Corp. 2,708,188, Cl. 260—22.
- Goldstein, Herbert: *See—*
- Krutter, Harry, and Goldstein. 2,711,517.
- Goldstein, Joseph, and S. Dennison. 2,712,592, Cl. 219—46.
- Goldstein, Ladislav, to International Telephone and Telegraph Corp. 2,712,069, Cl. 250—36.
- Goldstein, Saul. 2,701,679, Cl. 229—17.
- Goldsworthy, William W., to the United States of America as represented by the United States Atomic Energy Commission. 2,727,154, Cl. 250—71.
- Golightly, James S.: *See—*
- Atkeson, Florian V., and Golightly. 2,725,320.
- Golinger, John. 2,708,871, Cl. 99—423.
- Golle, Horst, and H. Bischoff, to Loewe Opta A. G. 2,702,834, Cl. 179—100.2.
- Gollmar, Herbert A., to Koppers Co., Inc. 2,709,126, Cl. 23—134.
- Gollmar, Herbert A., to Koppers Co., Inc. 2,719,595, Cl. 183—2.
- Gollmer, Hugo C.: *See—*
- Baensch, Walter. 2,710,371.
- Gollner, Charles E., to Shadow Line Building Products Inc. 2,727,283, Cl. 20—4.
- Gollos, Warren W.: *See—*
- Read, George E., Thompson, and Gollos. 2,718,188.
- Gollwitzer, Walter T., to Addressograph-Multigraph Corp. 2,705,142, Cl. 271—44.
- Gollwitzer, Walter T., to Addressograph-Multigraph Corp. 2,710,406, Cl. 101—19.
- Golseth, James G.: *See—*
- Fizzell, James A., Golseth, and Kay. 2,704,064.
- Golseth, James G., and C. C. Le Grand, to The Meditron Co. 2,712,975, Cl. 346—33.
- Columbie, Calvin, to the United States of America as represented by the Secretary of the Interior. 2,724,001, Cl. 260—627.
- Gomco Surgical Mfg. Corp.: *See—*
- Henderson, Stanford A. 2,727,678.
- Gomersall, John R., and M. Ireland, to McGraw Electric Co. 2,726,313, Cl. 219—25.
- Gomerue Establishment: *See—*
- Burgmüller, Karl H. 2,713,282.
- Gomes, Anthony J. 2,717,446, Cl. 33—42.
- Gomm, Louis W.: *See—*
- Lander, Arthur V., Gomm, and Smith. 2,708,529.
- Gomme, Esther F. 2,727,522, Cl. 132—45.
- Gondek, Andrew W. 2,709,031, Cl. 229—6.
- Gondek, John T. 2,707,817, Cl. 29—103.
- Gondek, John T. 2,717,451, Cl. 33—170.
- Gondek, William K.: *See—*
- Eller, Saul A., Chatten, and Gondek. 2,708,432.
- Gongwer, Calvin A., to Aerojet-General Corp. 2,714,800, Cl. 60—35.6.
- Gonia, August T.: *See—*
- Fante, Harry H., Shepard, and Gonia. 2,715,424.
- Gonnella, Peter. 2,714,912, Cl. 150—52.
- Gonser, Bruce W.: *See—*
- Finlay, Walter L., Gonser, and Jaffee. 2,703,278.
- Gonski, Joseph: *See—*
- Cartlidge, Frank, and Gonski. 2,715,527.
- Gonsler, William. 2,707,407, Cl. 74—612.
- Gonzales, Odlin E. 2,716,536, Cl. 254—106.
- Gonzalez, Aristides M.: *See—*
- Sayas Costa, Arquimedes, and Gonzalez. 2,714,624.
- Gonze, Max, to Solvay & Cie. 2,724,724, Cl. 260—521.
- Gooch, Fred P., to The Sharples Corp. 2,703,676, Cl. 233—7.
- Good, Charles R., and L. E. Jennings, to Copco Steel and Engineering Co. 2,703,143, Cl. 164—124.
- Good, Oral A.: *See—*
- Rankin, Floyd C., and Good. 2,715,941.
- Good, Paul F., to Westinghouse Electric Corp. 2,714,647, Cl. 219—10.69.
- Good, Walter A., and N. P. Heydenburg, to the United States of America as represented by the Secretary of the Navy. 2,700,888, Cl. 73—1.
- Good, Walter A., and N. P. Heydenburg. 2,704,644, Cl. 244—14.
- Good-All Electric Mfg. Co., Inc.: *See—*
- Goodall, Robert A. 2,706,095.
- Goodall, Robert A., to Good-All Electric Mfg. Co., Inc. 2,706,095, Cl. 242—84.6.
- Goodall-Sanford, Inc.: *See—*
- Nutter, Frank E., and Spence. 2,710,428.
- Goodall, William M., to Bell Telephone Laboratories, Inc. 2,720,557, Cl. 179—15.
- Goode, Rexford F., to the United States of America as represented by the Secretary of the Navy. 2,700,076, Cl. 200—24.
- Goodell, Charles E., to the United States of America as represented by the Secretary of the Navy. 2,724,816, Cl. 340—3.
- Goodell, John D., and T. Lode, to The Minnesota Electronics Corp. 2,704,842, Cl. 340—347.
- Goodell, John D., and T. Lode, to The Minnesota Electronics Corp. 2,723,316, Cl. 179—100.2.
- Goodfellow, Glenn L. 2,720,145, Cl. 95—45.
- Goodgame, Jesse B., to Precision Gear and Machine Co. 2,713,875, Cl. 139—1.
- Goodgion, James C., to The Coleman Co., Inc. 2,715,373, Cl. 110—97.
- Goodhart, Harry W. 2,722,808, Cl. 62—103.
- Goodhouse, Carl J., and A. B. Poole, to Haydon Mfg. Co., Inc. 2,711,456, Cl. 200—136.3.
- Goodhue, Lyle D.: *See—*
- Stansbury, Roy E., and Goodhue. 2,701,224.
- Goodhue, Lyle D., and R. E. Stansbury, to Phillips Petroleum Co. 2,704,244, Cl. 71—2.6.
- Goodhue, Lyle D., and C. E. Tissol, to Phillips Petroleum Co. 2,704,246, Cl. 71—2.7.
- Goodhue, Lyle D., and C. E. Tissol, to Phillips Petroleum Co. 2,723,910, Cl. 71—2.7.
- Goodhue, Lyle D., and C. E. Tissol, to Phillips Petroleum Co. 2,726,980, Cl. 167—22.
- Gooding, Chester M.: *See—*
- Brown, Carl F., and Gooding. 2,699,395.
- Gooding, Chester M., H. W. Vahlteich, and C. F. Brown, to The Best Foods, Inc. 2,701,203, Cl. 99—163.
- Goodman, Abraham, to Delamere Co., Inc. 2,699,789, Cl. 132—48.
- Goodman, Clark, to Schlumberger Well Surveying Corp. 2,711,482, Cl. 250—77.
- Goodman, Clark, to Schlumberger Well Surveying Corp. 2,726,338, Cl. 250—83.1.
- Goodman, Earl W., to The Pioneer Rubber Co. 2,716,241, Cl. 2—169.
- Goodman, Hugh F., to The A. P. V. Co. Ltd. 2,699,324, Cl. 257—245.
- Goodman, Isaac S.: *See—*
- Adams, Edward T., and Goodman. 2,716,714.
- Goodman Mfg. Co.: *See—*
- Anderschock, Chester E. 2,702,619.
- Anderschock, Chester E. 2,717,521.
- Beck, William R. 2,705,647.
- Bergmann, Ernst R. 2,722,409.
- Biedess, Anthony R. 2,702,995.
- Biedess, Anthony R. 2,704,613.
- Biedess, Anthony R. 2,707,570.
- Brown, Clarence H. 2,722,410.
- Carlson, Melvin G. 2,700,873.
- Cartlidge, Frank. 2,699,327.
- Cartlidge, Frank. 2,701,046.
- Cartlidge, Frank. 2,707,626.
- Cartlidge, Frank. 2,710,179.
- Cartlidge, Frank. 2,724,976.
- Cartlidge, Frank, and Boone. 2,722,306.
- Cartlidge, Frank, and Gonski. 2,715,527.
- Driehaus, Herman W. 2,707,627.
- Driehaus, Herman W. 2,719,439.
- Driehaus, Herman W. 2,721,733.
- Lundquist, Richard C., and Anderschock. 2,711,907.
- Madeira, John R. 2,725,976.
- McCallum, Robert A. 2,725,223.
- McCarthy, Timothy F. 2,715,502.
- Miller, George W. 2,725,115.
- Mitchhart, Albert W. Re. 24,093.
- Ogden, Charles T. 2,719,710.
- Packer, Glenn W. 2,699,190.
- Packer, Glenn W. 2,717,791.
- Robbins, James S. 2,705,624.
- Robbins, James S. 2,705,625.
- Robbins, James S. 2,711,889.
- Robbins, James S. 2,715,524.
- Robbins, James S., and Wilms. 2,711,887.
- Robbins, James S., and Wilms. 2,711,888.
- Robbins, James S., and Wilms. 2,711,890.
- Robbins, James S., and Wilms. 2,711,891.
- Robbins, James S., and Wilms. 2,725,222.
- Salmons, Jerome C. 2,719,709.
- Stoltz, Charles E. 2,719,617.
- Goodman, Morris. 2,699,276, Cl. 223—94.
- Goodman, Robert. 2,710,411, Cl. 5—13.
- Goodman, Robert C.: *See—*
- Hardie, Fred H., and Goodman. 2,707,755.
- Goodman, William. 2,707,868, Cl. 62—4.
- Goodnow, Daniel M. 2,707,413, Cl. 81—61.



- Goodnow, Harry D.: *See*—  
Baker, Willard L., and Goodnow. 2,711,558.
- Goodrich, B. F., Co., The: *See*—  
Andrews, Mary M. 2,700,980.  
Andrews, Mary M. 2,705,954.  
Baldridge, William H., Jr. 2,699,182.  
Balzhiser, James K. 2,699,198.  
Bankert, Ralph A. 2,705,243.  
Baumgartner, Luther L. 2,726,947.  
Blaser, Teddy W. 2,706,238.  
Boger, Vernon G. 2,715,085.  
Brown, Harold P. 2,710,292.  
Brown, Harold P. 2,724,707.  
Carlson, Earl J. 2,726,230.  
Crawford, Richard A., and Morrissey. 2,720,479.  
Davis, Herbert L. 2,704,993.  
De Wyk, Ludolf H., Jr. 2,705,211.  
Dixon, Henry L., and Hunt. 2,709,277.  
Dorner, John A. 2,715,300.  
Durst, Kenneth R. 2,707,508.  
Folt, Vernon L., and Carlson. 2,723,970.  
Frederick, Marvin R. 2,709,181.  
Frederick, Marvin R. 2,724,004.  
Gilbert, Harry, and Miller. 2,716,104.  
Gilbert, Harry, and Miller. 2,716,105.  
Gilbert, Harry, and Miller. 2,716,106.  
Gray, Harold. 2,701,598.  
Harrison, Stuart A., and Brown. 2,711,400.  
Hasselquist, Victor H. 2,701,579.  
Hasselquist, Victor H. 2,705,523.  
Hasselquist, Victor H. 2,714,726.  
Hasselquist, Victor H. 2,719,982.  
Hasselquist, Victor H. 2,722,090.  
Herzogh, Frank. 2,716,435.  
Hooper, James M. 2,703,517.  
Jansen, Jacob E. 2,709,706.  
Kehe, Henry J. 2,714,120.  
Keller, Russell J. 2,720,288.  
Krotz, Alvin S. 2,715,022.  
Krotz, Alvin S. 2,724,864.  
Krupp, Carroll P. 2,701,899.  
Krupp, Carroll P. 2,720,011.  
Krupp, Carroll P. 2,724,418.  
Leguillon, Charles W., and Katzenmeyer. 2,705,999.  
Lindemann, Robert E. 2,702,070.  
Mathes, Roger A., and Stewart. 2,704,752.  
Morrissey, Richard T., and Weiss. 2,700,997.  
Murray, William A. 2,724,278.  
Radke, Harold H., and Kotheimer. 2,726,733.  
Sachara, Eugene F. 2,720,076.  
Schollenberger Charles S. 2,722,550.  
Semegen, Stephen T., and Crawford. 2,726,221.  
Strong, Walter J. 2,707,851.  
Strong, Walter J., and Hanson. 2,720,908.  
Watson, Arthur E. 2,704,122.
- Goodrich, Frank S., to General Electric Co. 2,707,310, Cl. 20—35.
- Goodrich, Hunter C., to Radio Corp. of America. 2,707,248, Cl. 315—13.
- Goodrich, Hunter C., Jr., to Radio Corp. of America. 2,714,187, Cl. 323—56.
- Goodrich, Norris E. 2,714,507, Cl. 272—72.
- Goodrich, Ross H., and R. F. Hale, to Joy Mfg. Co. 2,726,064, Cl. 255—20.
- Goodson, Louis H., R. B. Moffett, J. E. Stafford, and W. M. Hoehn, to George A. Breon & Co. 2,711,428, Cl. 260—570.5.
- Goodwill, James H. 2,703,028, Cl. 81—41.
- Goodwillie, John E., to Beloit Iron Works. 2,717,037, Cl. 164—65.
- Goodwillie, John E., to Beloit Iron Works. 2,718,825, Cl. 92—49.
- Goodwin, A. D., & Son: *See*—  
Goodwin, Alfred D. 2,721,656.
- Goodwin, Alfred D., to A. D. Goodwin & Son. 2,721,656, Cl. 209—36.
- Goodwin, Carl W., to Constellation Cup Corp. 2,703,042, Cl. 93—55.1.
- Goodwin, George I.: *See*—  
Negy, Jack E. 2,710,080.
- Goodwin, George R., to Miller Electric Co. 2,711,522, Cl. 339—126.
- Goodwin, George R., to Miller Electric Co. 2,722,317, Cl. 211—89.
- Goodwin, Norris, to N. Goodwin and G. G. Sanders, trustees. 2,701,642, Cl. 209—211.
- Goodwin Richard M.: *See*—  
Burge, James S., Goodwin, and McKee. 2,698,695.  
Sheley, Wayne H., Todd, and Goodwin. 2,724,136.
- Goodwin, William V., to Radio Corp. of America. 2,718,637, Cl. 343—7.7.
- Goodyear Aircraft Corp.: *See*—  
Baum, Richard V., and Morrill. 2,710,348.  
Brewer, Wendell N., Sheets, and Mayne. 2,726,006.  
Byrne, Robert M. 2,707,255.  
Hampshire, William J., Coomes, and Motz. 2,722,962.  
Johnson, William C., Jr., Ross, and Wolcott. 2,710,157.  
Lesley, Robert F., and Tompkins. 2,726,054.  
Sheets, Herman E. 2,704,438.  
Sheets, Herman E., Hegbar, Feldscher, and Meneley. 2,725,718.
- Goodyear, James W. 2,716,861, Cl. 60—13.
- Goodyear Tire & Rubber Co., The: *See*—  
Bethune, George R., Jr., and Green. 2,726,505.  
Bricker, Carl E. 2,720,286.  
Campbell, John F. 2,712,208.  
Durst, Jack R., and Pace. 2,706,311.  
Enabnit, Robert S. 2,726,821.  
Evans, Robert D., and Rhoad. 2,706,726.  
Evans, Robert D., and Rhoad. 2,727,018.  
Frazier, Larry C. 2,715,931.  
Frazier, Larry C. 2,715,932.  
Frazier, Larry C. 2,715,933.  
George, Everett D. 2,712,341.  
Kimball, Frank H. 2,720,309.  
Mastin, Thomas G., and Seeger. 2,698,845.  
Phillips, John K. 2,712,170.  
Seeger, Nelson V., and Mastin. 2,725,366.  
Seeger, Nelson V., and Mastin. 2,725,385.  
Snyder, James E. 2,706,370.  
Sprinkle, Dallas L. 2,706,294.  
Sprinkle, Dallas L. 2,712,346.
- Goodyear, William F., to Tracerlab, Inc. 2,728,863, Cl. 250—207.
- Gooken, James B. 2,708,138, Cl. 299—20.
- Goolsby, Allton A. 2,719,498, Cl. 111—69.
- Gopert, Gote Y. M. 2,718,643, Cl. 5—36.
- Goral, Raymond W. and R., to Enthone, Inc. 2,706,171, Cl. 204—56.
- Goral, Robert: *See*—  
Goral, Raymond W. and R. 2,706,171.
- Goralczyk, Joseph J.: *See*—  
Valentine, Orville H., Goralczyk, and Bergman. 2,720,678.
- Gorby, Jack. 2,704,594, Cl. 198—131.
- Gordanier, Max D. 2,725,949, Cl. 181—51.
- Gordon, Arthur F., to Dow Corning Corp. 2,715,133, Cl. 260—46.5.
- Gordon, Bernard M., to Sperry Rand Corp. 2,719,227, Cl. 250—27.
- Gordon, Bernard M., and H. Lukoff, to Remington Rand Inc. 2,709,747, Cl. 250—27.
- Gordon, Bernard M., and H. Lukoff, to Remington Rand Inc. 2,719,226, Cl. 250—27.
- Gordon, Betty C.: *See*—  
Gordon, Wilbert C. 2,710,159.
- Gordon, Charles W., to Combustion Engineering, Inc. 2,724,904, Cl. 34—57.
- Gordon, Edward J. 2,721,611, Cl. 161—1.
- Gordon, Garland R.: *See*—  
Higgins, Alfred P., and Gordon. 2,720,686.
- Gordon, George H., deceased, by M. I. H. Gordon, administratrix, to Electric Arc, Inc. 2,700,093, Cl. 219—10.77.
- Gordon, Harry. 2,725,545, Cl. 339—99.
- Gordon, Harry, and I. Fiske. 2,700,316, Cl. 84—330.
- Gordon, Herman, deceased; S. S. Gordon, executrix. 2,716,753, Cl. 2—195.
- Gordon, Hugh M. 2,704,562, Cl. 150—1.5.
- Gordon, J. R., & Co. Ltd.: *See*—  
Harwood, Philip, and Jacob. 2,726,691.
- Gordon, James. 2,726,375, Cl. 339—198.
- Gordon, James F., to Bendix Aviation Corp. 2,703,862, Cl. 322—32.
- Gordon, John F.: *See*—  
Owen, Webster J., Gordon, and Maurer. 2,714,808.
- Gordon, Kenneth J. 2,704,658, Cl. 259—8.
- Gordon, Leon B., and J. T. Kelly, to Pan American Refining Corp. 2,713,571, Cl. 260—67.
- Gordon, Mary I. H.: *See*—  
Gordon, George H. 2,700,093.
- Gordon, Melvin J., to M. J. and S. Z. Gordon, and N. G. Stone, d. b. a. Manchester Hosiery Mills. 2,710,092, Cl. 206—7.
- Gordon, Moses, and H. M. Schauer, to Standard Oil Co. 2,725,340, Cl. 196—41.
- Gordon, Richard A. 2,718,641, Cl. 2—278.
- Gordon, Robert T.: *See*—  
Spitzer, Charles F., and Gordon. 2,723,353.
- Gordon, Sadye Z.: *See*—  
Gordon, Melvin J. 2,710,092.
- Gordon, Samuel: *See*—  
Hutchings, Brian L., and Gordon. 2,704,288.  
Hutchings, Brian L., Gordon, and Wolf. 2,704,289.
- Gordon, Samuel M.: *See*—  
Schlesinger, Albert, Weiner, and Gordon. 2,712,016.  
Schlesinger, Albert, Weiner, and Gordon. 2,728,780.
- Gordon, Selma S.: *See*—  
Gordon, Herman. 2,716,753.
- Gordon, Thomas. 2,707,526, Cl. 183—32.
- Gordon, Wilbert C., deceased; B. C. Gordon, executrix, to Commercial Machine and Welding Co. 2,710,159, Cl. 248—48.2.
- Gordy, Thomas D., to General Electric Co. 2,698,924, Cl. 336—215.
- Gore, Sam. 2,699,569, Cl. 16—140.
- Gorey, Archie H., to Graflex, Inc. 2,701,992, Cl. 95—64.
- Gorham, George: *See*—  
Kling, Nelson G., and Gorham. 2,727,466.
- Gorham, George, to Technicon International Ltd. 2,699,479, Cl. 200—138.
- Gorham, George, to Technicon International Ltd. 2,699,489, Cl. 219—44.
- Gorham, George, to Technicon Chromatography Corp. 2,710,715, Cl. 226—97.
- Gorham, John A. 2,713,696, Cl. 15—257.
- Gorin, Everett, to Pittsburgh Consolidation Coal Co. 2,705,672, Cl. 48—206.



- Gorin, Everett, and C. W. Zielke, to Pittsburgh Consolidation Coal Co. 2,717,868, Cl. 202—31.
- Gorin, Paul X. 2,726,524, Cl. 64—30.
- Gorjup, Andy. 2,725,662, Cl. 43—124.
- Gorley, Kenneth E. and L. A. 2,721,086, Cl. 280—47.29.
- Gorley, Loren A.: *See—*
- Gorley, Kenneth E. and L. A. 2,721,086.
- Gorman, Andrew T., to Westinghouse Air Brake Co. 2,711,933, Cl. 303—60.
- Gorman, Charles C.: *See—*
- Crawford, Thomas G., and Gorman. 2,703,473.
- Gorn Electric Co., The: *See—*
- Opuszenski, Theodore. 2,711,454.
- Gorn, Martin. 2,699,476, Cl. 200—84.
- Gornowski, Edward J., to Esso Research and Engineering Co. 2,710,827, Cl. 196—49.
- Gornowski, Edward J., and W. C. Rich, Jr., to Esso Research and Engineering Co. 2,725,341, Cl. 196—50.2.
- Gorske, Stanley F., to The Marquette Metal Products Co. 2,700,442, Cl. 192—47.
- Gortmaker, Edward B. 2,699,634, Cl. 55—84.
- Gorton, Edward S.: *See—*
- Hayward, Claude E., and Gorton. 2,701,989.
- Gorton Heating Corp.: *See—*
- Stirrup, Frank A. 2,709,550.
- Gosch, Winkler C., to Duro Engineering Co. 2,725,449, Cl. 219—8.
- Goscilo, Joseph. 2,722,316, Cl. 210—165.
- Goshaw, Irl R.: *See—*
- Bellett, Ettie B. 2,711,541.
- Gosparlin, Frederick. 2,712,721, Cl. 56—241.
- Goss, Frank A., Jr., to Bell Telephone Laboratories, Inc. 2,706,781, Cl. 250—33.65.
- Goss, Hubert S. 2,701,954, Cl. 62—170.
- Goss, Norman L. 2,713,236, Cl. 51—128.
- Goss Printing Press Co., The: *See—*
- Crafts, Curtis S. 2,718,848.
- Knowles, Dennis H. 2,709,406.
- McWhorter, Henry L. 2,709,405.
- Goss, William A.: *See—*
- Preble, Norman H., and Goss. 2,703,954.
- Goss, William A., to Detroit Harvester Co. 2,699,025, Cl. 56—25.
- Goss, William A., to Detroit Harvester Co. 2,700,263, Cl. 56—25.
- Goss, William A., to Detroit Harvester Co. 2,700,861, Cl. 56—25.
- Goss, William A., to Detroit Harvester Co. 2,709,881, Cl. 56—25.
- Goss, William A., to Detroit Harvester Co. 2,726,059, Cl. 248—251.
- Gosse, Herbert O., to Knowles Mfg. Co. 2,706,648, Cl. 285—129.
- Gosselin, Wilfrid J., to U S Bobbin & Shuttle Co. 2,699,186, Cl. 139—196.
- Gosselin, Wilfrid J., to US Bobbin & Shuttle Co. 2,717,616, Cl. 139—223.
- Gosselin, Wilfrid J., to U S Bobbin & Shuttle Co. 2,723,684, Cl. 139—223.
- Gossen, Hans, and E. Pfaffenberger, to P. Gossen & Co. G. m. b. H. 2,699,087, Cl. 88—23.
- Gossen, John M. 2,728,118, Cl. 20—64.
- Gossen, P., & Co. G. m. b. H.: *See—*
- Gossen, Hans, and Pfaffenberger. 2,699,087.
- Pfaffenberger, Erwin. 2,714,329.
- Pfaffenberger, Erwin, Poppa, and Goetz. 2,706,428.
- Gossler, Karl, to International Standard Electric Corp. 2,717,325, Cl. 313—270.
- Goswick, George D. 2,708,315, Cl. 33—34.
- Goswick, Marion A.: *See—*
- Duckworth, Jessie H., and Goswick. 2,705,446.
- Göthberg, Karl E. A., to Aktiebolaget Svenska Kullagerfabriken. 2,705,545, Cl. 183—42.
- Göthberg, Karl E. A., to Aktiebolaget Svenska Kullagerfabriken. 2,720,889, Cl. 137—262.
- Göthberg, Karl E. A., and J. E. W. Stranne, to Aktiebolaget Svenska Kullagerfabriken. 2,705,547, Cl. 184—55.
- Goto, Toshihide: *See—*
- Kodama, Shinjiro, Goto, Komiyama, Ota, and Zen. 2,716,629.
- Gotowka, Stephen J. 2,720,984, Cl. 211—30.
- Gottfried, John, to National Rejectors, Inc. 2,711,243, Cl. 194—97.
- Gotthoffer, Nathan R.: *See—*
- Nugent, Charles T., and Gotthoffer. 2,712,540.
- Gottlieb, Jack L. 2,713,203, Cl. 33—1.
- Gottschalk, Winston W., to Armstrong Cork Co. 2,701,015, Cl. 164—61.
- Gottschalk, Winston W., to Armstrong Cork Co. 2,701,034, Cl. 188—84.
- Gottschall, Herbert A., to the United States of America as represented by the Secretary of the Army. 2,700,695, Cl. 136—166.
- Gottscho, Adolph, Inc.: *See—*
- Alessi, Andrew J., Jr. 2,727,462.
- Gottsegen, Marten. 2,722,368, Cl. 229—54.
- Gottstein, Adolph J. 2,717,171, Cl. 294—16.
- Goudl, Charles L., and E. L. Carr. 2,716,557, Cl. 280—34.
- Goudsmit, Samuel A., to the United States of America as represented by the United States Atomic Energy Commission. 2,698,905, Cl. 250—41.9.
- Goudy, Paul R., to Kollsman Instrument Corp. 2,701,474, Cl. 73—189.
- Gougler, C. L., Machine Co., The: *See—*
- Miller, Edward M. 2,712,956.
- Gould, Arthur, to National Valve & Mfg. Co. 2,709,057, Cl. 248—54.
- Gould & Eberhardt, Inc.: *See—*
- Davenport, Granger, and Poekel. 2,700,325.
- Gould, Jay P. 2,712,932, Cl. 267—70.
- Gould, Marcus A., and W. W. Tufford. 2,726,026, Cl. 226—46.4.
- Gould-National Batteries, Inc.: *See—*
- Lund, Arthur D. 2,727,287.
- Thompson, Niles J. 2,724,012.
- Rupp, John L. 2,710,220.
- Gould, Olga G. 2,715,225, Cl. 2—42.
- Gould, Otis O., 1/2 to W. C. Harrigan. 2,715,542, Cl. 292—341.15.
- Gould, Philip D.: *See—*
- Preston, Raymond D. 2,715,982.
- Gould, Robert E., A. J. Wahl, and H. Mead, to Buffalo Pottery Inc. 2,699,591, Cl. 25—156.
- Gould, Sidney H. 2,714,625, Cl. 174—50.
- Gould, William F., and S. Brail, to Ludwig Honold Mfg. Co. 2,708,509, Cl. 206—46.
- Goument, Vear O. 2,701,790, Cl. 204—230.
- Goument, Vear O. 2,728,121, Cl. 21—107.
- Gourdon, Dorine A. 2,702,903, Cl. 2—28.
- Gourevitch, Alexander, and J. Lein, to Bristol Laboratories Inc. 2,712,517, Cl. 195—114.
- Gourlay, John S.: *See—*
- Carter, Ronald J., Gourlay, and Lovell. 2,711,416.
- Gourley, Barrett E.: *See—*
- Möller, Fritz. 2,711,785.
- Govatsos, Edward A. 2,726,003, Cl. 216—55.
- Gow, James D., to Chromatic Television Laboratories, Inc. 2,721,293, Cl. 315—21.
- Gowan, Gordon D. 2,720,372, Cl. 248—186.
- Goynes, Crawford W., 20% to J. E. Horace. 2,707,963, Cl. 135—63.
- Graber, Robert P., and N. L. Wendler, to Merck & Co., Inc. 2,728,783, Cl. 260—397.45.
- Graber, Walter: *See—*
- Rhoads, Millard A., Unruh, and Graber. 2,702,988.
- Grabiec, Joseph J.: *See—*
- Ishler, Harry K., and Grabiec. 2,704,169.
- Grabien, Thomas A.: *See—*
- Horvath, Alexander M. 2,710,224.
- Grable, Donovan B. 2,701,122, Cl. 255—1.8.
- Grable, Wayne O. 2,706,499, Cl. 138—89.
- Grabowy, John, to Western Electric Co., Inc. 2,724,933, Cl. 51—124.
- Grace, Edward J., Jr., to Sun Oil Co. 2,712,641, Cl. 340—150.
- Grace, Nelson E., and G. J. Ozenne, to Doak Aircraft Co., Inc. 2,709,473, Cl. 153—40.
- Grace, W. R., & Co.: *See—*
- Ahlberg, Jacob E., and Cox. 2,719,829.
- Gastrock, Edward A., Vix, D'Aquin, Graci, and Spadaro. 2,727,914.
- Legal, Casimer C., Jr. 2,724,701.
- Ross, William C., and Niconchuk. 2,723,932.
- Wellons, Richard S., and Russell. 2,726,707.
- Gracey, William R., Jr., to Westinghouse Air Brake Co. 2,701,825, Cl. 200—5.
- Graci, Angelo V., Jr.: *See—*
- Gastrock, Edward A., Vix, D'Aquin, Spadaro, and Graci. 2,726,253.
- Gradoff, Alex, K. W. Howell, and I. Vinoff. 2,714,221, Cl. 17—4.
- Gradwohl, Violet L., to Terri Lee, Inc. 2,709,870, Cl. 46—154.
- Grady, Frank A. 2,719,092, Cl. 106—307.
- Grady, John O. 2,722,767, Cl. 43—43.11.
- Grady, John R.: *See—*
- Muschamp, Harold L., and Grady. 2,701,108.
- Muschamp, Harold L., and Grady. 2,701,689.
- Graef, Rudolf F., to Huttenwerk Oberhausen Aktiengesellschaft. 2,707,677, Cl. 75—46.
- Graefe, Charles H., Jr. 2,719,321, Cl. 16—86.
- Graefe, Paul. 2,702,045, Cl. 137—192.
- Graetz, Edward A.: *See—*
- Patz, Paul, and Graetz. 2,701,652.
- Patz, Paul, and Graetz. 2,712,760.
- Graf, Fred V. 2,721,324, Cl. 2—42.
- Graf, Fred V. 2,722,009, Cl. 2—42.
- Graf, Fred V. 2,725,633, Cl. 33—2.
- Graf, Herbert. 2,718,598, Cl. 250—58.
- Graf, John C., and J. R.: said J. R. Graf assor. to said J. C. Graf. 2,704,608, Cl. 214—1.
- Graf, John R.: *See—*
- Graf, John C. and J. R. 2,704,608.
- Graff, Christian F. 2,724,494, Cl. 206—4.
- Graff, Richard A.: *See—*
- Waldron, Cloyd D., and Graff. 2,720,945.
- Graflex, Inc.: *See—*
- Gorey, Archie H. 2,701,992.
- McCathron, Claude B. 2,717,543.
- Nerwin, Hubert. 2,711,023.
- Nerwin, Hubert. 2,719,454.
- Nerwin, Hubert. 2,721,041.
- Nerwin, Hubert, and Padelt. 2,719,679.
- Smith, Clarence E. 2,716,929.
- Steiner, Oscar. 2,702,673.
- Steiner, Oscar. 2,716,374.
- Steiner, Oscar. 2,719,468.



- Graflex, Inc.: *See*—Continued.  
Steiner, Oscar, and Dalton. 2,713,815.  
Stinson, William J. 2,700,223.  
Stinson, William J. 2,712,117.
- Grafman, Abraham J., to R. Rand. 2,717,664, Cl. 189—34.  
Graham, Arthur S.: *See*—  
Crawford, William S., and Graham. 2,728,432.
- Graham and Barker: *See*—  
Graham, George C. Re. 23,951.
- Graham, Boynton, and J. A. Piccard, to E. I. du Pont de Nemours & Co. 2,715,588, Cl. 117—65.  
Graham, Boynton, and J. A. Piccard, to E. I. du Pont de Nemours & Co. 2,715,591, Cl. 117—138.8.
- Graham, Bruce, to Eastman Kodak Co. 2,710,871, Cl. 260—310.  
Graham, Bruce, to Eastman Kodak Co. 2,725,291, Cl. 95—6.  
Graham, Bruce, and J. Williams, to Eastman Kodak Co. 2,706,684, Cl. 95—6.  
Graham, Bruce, P. W. Vittum, and A. Weissberger, to Eastman Kodak Co. 2,725,292, Cl. 95—6.  
Graham, Cecil R. 2,707,773, Cl. 333—77.  
Graham, Connelly L.: *See*—  
Price, Kenneth A., and Graham. 2,723,093.  
Graham, Edward K. P. 2,698,732, Cl. 254—171.  
Graham, Ernest V. 2,718,010, Cl. 2—195.  
Graham, Erwin W., to Cleveland Instrument Co. 2,717,449, Cl. 33—147.  
Graham, Frank F. 2,710,180, Cl. 262—33.  
Graham, Frank O., to Temprite Products Corp. 2,715,319, Cl. 62—4.  
Graham, George C., to Graham and Barker. Re. 23,951, Cl. 68—12.  
Graham, George K., to Radio Corp. of America. 2,725,423, Cl. 178—6.8.  
Graham, George M. 2,700,803, Cl. 20—62.  
Graham, George M. 2,719,586, Cl. 160—115.  
Graham, Glenn D.: *See*—  
Erickson, Clifford E., and Graham. 2,701,421.  
Graham, Guy L. 2,704,220, Cl. 292—338.  
Graham, John W.: *See*—  
Redmond, John C., and Graham. 2,711,009.  
Graham Mfg. Co., Inc., The: *See*—  
Viall, Richmond, Jr., Peterson, and Johnson. 2,716,845.  
Graham, Marion E., and E. A. Beidler, to Republic Steel Corp. 2,702,738, Cl. 23—87.  
Graham, Matthew P., to Thompson Products, Inc. 2,723,140, Cl. 287—62.  
Graham, Maurice H., deceased; M. W. Graham and Northwestern National Bank of Minneapolis, executors. 2,720,154, Cl. 99—310.  
Graham, Maurice H., deceased; M. W. Graham and Northwestern National Bank of Minneapolis, executors. 2,720,155, Cl. 99—310.  
Graham, Maurice W.: *See*—  
Graham, Maurice H. 2,720,154.  
Graham, Maurice H. 2,720,155.
- Graham, Ollie W., to Instruments, Inc. 2,713,124, Cl. 250—43.5.  
Graham, Paul N. W., and E. G. Lamb, to Corning Glass Works. 2,714,227, Cl. 18—59.2.  
Graham, Percy R. 2,706,505, Cl. 144—117.  
Graham, Percy R. 2,709,855, Cl. 33—197.  
Graham, Peter J., to E. I. du Pont de Nemours and Co. 2,705,727, Cl. 260—553.  
Graham, Peter J., to E. I. du Pont de Nemours and Co. 2,709,175, Cl. 260—439.  
Graham, Phillip. 2,701,417, Cl. 33—18.  
Graham, Philip J., to Trig Corp. 2,702,651, Cl. 220—31.  
Graham, Ralph X. 2,714,521, Cl. 292—144.  
Graham, Ray O.: *See*—  
Bohannon, George S., Williams, and Graham. 2,718,662.  
Graham, Richard A. 2,706,916, Cl. 74—796.  
Graham, Robert E., to Bell Telephone Laboratories, Inc. 2,723,355, Cl. 307—88.5.  
Graham Tie Dowel Service Co.: *See*—  
De Anguera, Philip. 2,714,831.  
De Anguera, Philip. 2,722,248.  
Graham, Wallis W. 2,724,229, Cl. 56—25.4.  
Graham, Walter H., and R. H. Baker. 2,701,582, Cl. 137—566.  
Graham, Walton: *See*—  
Di Toro, Michael J., Graham, and Dwork. 2,699,464.  
Graham, Ward A., to Douglas Chemical and Supply Co. 2,706,700, Cl. 167—24.  
Graham, William T., to The First National Bank of Amarillo. 2,701,511, Cl. 97—198.1.  
Graham, William T., to The First National Bank of Amarillo. 2,712,780, Cl. 97—47.84.
- Grahame, Frederick W.: *See*—  
Torrissi, Alfred F., and Grahame. 2,724,076.
- Grahame, James H.: *See*—  
Teichmann, Charles F., and Grahame. 2,714,116.
- Gram, Aage G. and H., to Brodrene Gram A/S. 2,700,347, Cl. 107—8.
- Gram, Hans: *See*—  
Gram, Aage G. and G. 2,700,347.
- Gramatke, Hans, to Siemens-Schuckertwerke Aktiengesellschaft. 2,725,847, Cl. 118—125.
- Gramegna, Franco, to St. Regis Paper Co. 2,712,275, Cl. 93—28.
- Gramelspacher, Clarence U. 2,707,014, Cl. 152—175.
- Gramelspacher, Clarence U. 2,708,470, Cl. 152—208.
- Grames, Lloyd D., to The Air Preheater Corp. 2,708,106, Cl. 257—6.
- Grammer, Allen L. 2,701,677, Cl. 229—16.
- Gramp, Alfred J. 2,714,493, Cl. 242—74.
- Gran, William T., and W. T. Gran, Jr. 2,707,063, Cl. 214—674.
- Gran, William T., Jr.: *See*—  
Gran, William T., and W. T. Gran, Jr. 2,707,063.
- Granat, Frank P., M. A. Stanko, and L. E. Macko. 2,710,420, Cl. 15—118.
- Granatek, Alphonse P.: *See*—  
Buckwalter, Frank H., and Granatek. 2,721,193.  
Buckwalter, Frank H., and Granatek. 2,721,194.  
Buckwalter, Frank H., and Granatek. 2,721,195.
- Granath, Louis P., and S. S. Podnos, to the United States of America as represented by the Secretary of the Navy. 2,701,527, Cl. 102—75.
- Granberg, Albert J. 2,713,272, Cl. 74—190.5.
- Granberry, Edgar H.: *See*—  
Strother, Fred P., Granberry, and Manning. 2,705,423.
- Granby, Melville. 2,725,096, Cl. 155—187.
- Grandadam, Roger C. M. E. 2,728,523, Cl. 235—61.
- Grandgent, Louis. 2,721,610, Cl. 160—190.
- Grandjean, Philippe, to Sandoz A. G. 2,727,886, Cl. 260—160.
- Grandjean, Philippe, and W. Wehrli, to Sandoz A. G. 2,721,864, Cl. 260—173.
- Grand Rapids Hardware Co.: *See*—  
Dickinson, Henry R. 2,709,101.  
Lickteig, Albert F., and Dickinson. 2,700,800.  
Potter, William W. 2,715,540.
- Grand Specialties Co.: *See*—  
Hopfeld, Fred P. 2,708,048.  
Sasgen, Anthony M., and Hopfeld. 2,709,015.
- Grandstaff, Otho D., to Automatic Electric Laboratories, Inc. Re. 24,096, Cl. 340—351.
- Grand Union Co., The: *See*—  
Just, George A. 2,709,043.  
Just, George A. 2,718,632.
- Grange, Edward A.: *See*—  
Norman, Norman W. 2,701,740.
- Granger, Fred P., Jr. 2,701,333, Cl. 321—12.
- Granger, Fred P., Jr. 2,706,241, Cl. 219—39.
- Granger, Roland M.: *See*—  
Rushfeldt, Ferdie M. 2,698,506.
- Grannan, William D., to General Electric Co. 2,716,697, Cl. 219—37.
- Grandqvist, Carl-Erik, to Svenska Aktiebolaget Gasaccumulator. 2,728,076, Cl. 343—106.
- Granrath, Gunther H.: *See*—  
Kiel, Heinrich J., and Granrath. 2,711,182.
- Granstedt, Karl E., to Arenco Aktiebolag. 2,718,890, Cl. 131—108.
- Grant, Alan S.: *See*—  
Sainsbury, Leonard R., Farren, and Grant. 2,706,157.
- Grant, Alvin. 2,722,734, Cl. 29—401.
- Grant, Charles R. A., to Pressure Gauges Ltd. 2,719,431, Cl. 73—419.
- Grant, Charles R. A., to Pressure Gauges Ltd. 2,725,741, Cl. 73—4.
- Grant, Donald G.: *See*—  
Hardy, Douglas V. N., and Grant. 2,705,186.
- Grant, Earl W.: *See*—  
Statham, Louis D., White, and Grant. 2,698,886.
- Grant, Frank A., to Continental Can Co., Inc. 2,726,979, Cl. 154—129.
- Grant, Fred M.: *See*—  
Sanderlin, Ralph C., and Grant. Re. 23,961.
- Grant, Gordon A.: *See*—  
Glen, William L., Myers, Barber, and Grant. 2,715,121.
- Grant, Gordon A., W. L. Glen, and R. J. Barber, to American Home Products Corp. 2,727,898, Cl. 260—296.
- Grant, Harry C., Jr. 2,716,821, Cl. 37—43.
- Grant, Harry C., Jr., to Specialties Development Corp. 2,719,532, Cl. 137—68.
- Grant, Harry C., Jr., and F. B. Parsons, to Specialties Development Corp. 2,717,042, Cl. 169—11.
- Grant, Isaac H. 2,716,499, Cl. 214—84.
- Grant, John A.: *See*—  
De Ganahl, Carl, Grant, and Bacon. 2,714,414.
- Grant, John L., to Poor & Co. 2,700,508, Cl. 238—327.
- Grant, Joseph E. 2,718,092, Cl. 46—81.
- Grant-MacKay, John A.: *See*—  
Mitchell, William F., and Grant-MacKay. 2,702,233.
- Grant, Max L.: *See*—  
Miller, Harry B. 2,708,443.  
Miller, Harry B. 2,720,209.  
Miller, Harry B. 2,723,081.  
Miller, Harry B. 2,723,825.
- Grant Photo Products, Inc.: *See*—  
Sainsbury, Leonard R., Farren, and Grant. 2,706,157.
- Grant Pulley & Hardware Corp.: *See*—  
Gussack, Milton P. 2,711,358.  
Gussack, Milton P. 2,720,000.  
Gussack, Seymour I. 2,728,626.
- Grantham, Virgil M., to Radio Corp. of America. 2,721,040, Cl. 242—55.
- Grantham, William G., to American Viscose Corp. 2,721,150, Cl. 117—145.
- Grantham, William G., to American Viscose Corp. 2,721,151, Cl. 117—145.
- Grants, Paul R. 2,711,761, Cl. 143—17.
- Grantz, Mary. 2,705,833, Cl. 30—294.



- Graphic Arts Research Foundation, Inc.: *See*—  
Caldwell, Samuel H., Higonnet, and Moyroud. 2,699,859.  
Moyroud, Louis, and Higonnet. 2,715,862.
- Graphire Corp.: *See*—  
Velonis, Constantine, and Karp. 2,701,214.
- Grashow, Joseph, to The Quick-Mount Mfg. Co., Inc. 2,727,766, Cl. 287—20.
- Grasso, Nicholas Z. 2,726,446, Cl. 30—164.8.
- Gratian, Joseph W., to Stromberg-Carlson Co. 2,704,790, Cl. 179—100.2.
- Gratian, Joseph W., to Stromberg-Carlson Co. 2,710,349, Cl. 250—27.
- Gratian, Joseph W., and N. Cole, to General Dynamics Corp. 2,725,430, Cl. 179—100.2.
- Grattan, Roger J. 2,717,973, Cl. 313—111.
- Grattan, Worthin F. 2,699,237, Cl. 192—3.2.
- Gratzmuller, Jean L. 2,720,220, Cl. 138—31.
- Gratzmuller, Jean L. 2,724,412, Cl. 138—31.
- Grau, Herman E., to United Engineering and Foundry Co. 2,702,130, Cl. 214—1.
- Graubard, Jack: *See*—  
Katcher, Harry B., and Graubard. 2,711,769.
- Graumann, Raymond L., and W. J. Donahue, Jr. 2,703,531, Cl. 102—73.
- Gravatt, Quintin M. 2,699,557, Cl. 5—82.
- Gravely, Benjamin F., deceased (Charleston National Bank, executor), and C. B. Gravely. 2,712,301, Cl. 121—59.
- Gravely, Charles B.: *See*—  
Gravely, Benjamin F. and C. B. 2,712,301.
- Gravenhorst, Gordon P., to The Glenn L. Martin Co. 2,710,562, Cl. 89—37.5.
- Gravenhorst, Gordon P., H. H. Franz, W. A. Snow, and W. L. Black, to The Glenn L. Martin Co. 2,725,791, Cl. 89—33.
- Graver, Curtis A., to Guardian Lockers Inc. 2,707,043, Cl. 194—54.
- Graver Tank & Mfg. Co., Inc.: *See*—  
Meyer, Amel R. 2,698,891.  
Swanson, Jalmer E. 2,728,694.
- Gravert, William H., to C. S. Schmuckler. 2,724,249, Cl. 62—140.
- Graves, Frederick G., to Ferro Machine and Foundry, Inc. 2,709,992, Cl. 123—32.
- Graves, George O., and D. F. Rosebrook, to G. & R. Corp. 2,705,927, Cl. 107—14.
- Graves, Kendal H., to W. H. Heath Ltd. 2,716,507, Cl. 222—129.2.
- Graves, Roy R., to The Graves-Stambaugh Corp. 2,706,620, Cl. 257—246.
- Graves, Roy R., and E. K. Kuhles, to The Graves-Stambaugh Corp. 2,706,619, Cl. 257—246.
- Graves-Stambaugh Corp.: *See*—  
Graves, Roy R. 2,706,620.  
Graves, Roy R., and Kuhles. 2,706,619.
- Graves, Theodore E.: *See*—  
Biddle, William P., Jr., and Graves. 2,713,861.
- Gravier, Georges. 2,719,764, Cl. 308—187.2.
- Gravina, Michel. 2,718,797, Cl. 74—752.
- Graviner Mfg. Co. Ltd.: *See*—  
Hall, Henry W., Strain, and Mathisen. 2,719,197.  
Mathisen, Anders. 2,701,827.  
Mathisen, Anders. 2,712,881.
- Graw, Harry J.: *See*—  
Schlegel, Franz. 2,725,789.
- Gray, Alvin E.: *See*—  
Hendrich, Henry A., and Gray. 2,702,428.
- Gray, Alvin N., to Western Electric Co., Inc. 2,725,355, Cl. 204—208.
- Gray, C.F.: *See*—  
Kimberlin, Charles N., Jr., and Gray. 2,717,865.
- Gray, Cornelius, to Gray Development Co. 2,703,408, Cl. 4—7.
- Gray Development Co.: *See*—  
Gray, Cornelius. 2,703,408.
- Gray, Donald C., to American Hoist & Derrick Co. 2,703,633, Cl. 188—82.9.
- Gray, Donald E., to Radiart Corp. 2,727,404, Cl. 74—507.
- Gray, G. A., Co.: *See*—  
Walter, John M. 2,708,861.
- Gray, George F.: *See*—  
Pratt, Verneur E., and Gray. 2,701,979.  
Pratt, Verneur E., and Gray. 2,719,714.
- Gray, George S., and H. H. Hahn, to Godfrey L. Cabot, Inc. 2,708,542, Cl. 226—116.
- Gray, George W., to Radio Corp. of America. 2,701,311, Cl. 250—36.
- Gray, George W., to Radio Corp. of America. 2,716,161, Cl. 179—171.
- Gray, George W., and A. S. Jensen, to Radio Corp. of America. 2,725,500, Cl. 315—20.
- Gray, Harold, to The B. F. Goodrich Co. 2,701,598, Cl. 152—209.
- Gray, Howard A. 2,718,218, Cl. 122—448.
- Gray, Jacob H., and H. H. Wormser, to Universal Winding Co. 2,704,946, Cl. 74—573.
- Gray, James W. 2,711,721, Cl. 119—157.
- Gray, James W. 2,711,722, Cl. 119—157.
- Gray, John D., and W. Dian. 2,720,711, Cl. 34—58.
- Gray, John W., and G. W. Rodeback, to the United States of America as represented by the Secretary of War. 2,703,400, Cl. 343—11.
- Gray, John W., and D. MacRae, Jr., to the United States of America as represented by the Secretary of the Air Force. 2,711,856, Cl. 235—61.5.
- Gray, Joseph P. 2,710,410, Cl. 2—234.
- Gray, Kenneth R.: *See*—  
Van Blaricom, Lloyd E., and Gray. 2,710,254.  
Van Blaricom, Lloyd E., and Gray. 2,710,255.  
Van Blaricom, Lloyd E., Gray, and Ward. 2,727,029.
- Gray, Leo: *See*—  
Grunder, Harold R. 2,707,358.
- Gray Marine Motor Co.: *See*—  
Engstrom, Paul A. 2,708,824.
- Gray, Milton S. 2,711,278, Cl. 226—57.
- Gray, Ornburn, and W. R. Durnford, to O. Gray, W. R. Durnford, Q. B. Lain, and J. Delucchi. 2,699,946, Cl. 274—10.
- Gray, Owen J., Jr. 2,704,674, Cl. 280—104.5.
- Gray, Philip F., to Wallerstein Co., Inc. 2,711,963, Cl. 99—48.
- Gray, Reuben F.: *See*—  
Bradley, William A., and Gray. 2,707,087.
- Gray, Richard O., to Zenith Radio Corp. 2,718,551, Cl. 178—7.5.
- Gray, Robert B., to American Meter Co. 2,699,795, Cl. 137—86.
- Gray, Robert B., to American Meter Co. 2,705,018, Cl. 137—86.
- Gray, Robert F., to Injection Molding Co. 2,710,986, Cl. 18—1.
- Gray, Robert F., to Injection Molding Co. 2,717,728, Cl. 222—546.
- Gray, Thomas E. H., and J. Jones-Hinton, to Dunlop Rubber Co., Ltd. 2,719,324, Cl. 18—9.
- Gray, Wallace D. 2,720,664, Cl. 9—11.
- Gray, Walter R., to The Independence Life Insurance Co. 2,706,550, Cl. 194—10.
- Gray, Wayland W.: *See*—  
Rial, Lawrence B., and Gray. 2,707,831.
- Gray, William N.: *See*—  
Harpell, Walter, and Gray. 2,712,839.
- Graybeal, Bruce A., to Johns-Manville Corp. 2,700,176, Cl. 18—2.6.
- Graybeal, Jake, and M. K. Lilleberg, to United Control Corp. 2,704,800, Cl. 201—62.
- Graybill, Kenneth W., and H. Sengebusch, to Automatic Electric Laboratories, Inc. 2,710,896, Cl. 200—105.
- Grayson, Harry, T. S. McLeod, and V. Vernon-Smith, to International Standard Electric Corp. 2,703,865, Cl. 332—18.
- Grayson, Harry, D. E. Brown, and G. C. Barker, to the Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. 2,714,205, Cl. 343—7.7.
- Grayson, Richard D., to General Controls Co. 2,702,052, Cl. 137—630.22.
- Graziani, Loretta. 2,711,154, Cl. 116—149.
- Grazier, Doré W. 2,709,061, Cl. 248—314.
- Grazier, George D. 2,720,054, Cl. 46—189.
- Graziose, Louis N. 2,712,109, Cl. 322—42.
- Graziosi, Michael. 2,706,818, Cl. 4—57.
- Greacen, Walter, 3rd, H. A. Bishop, and A. Bogot; said Bogot and said Bishop assors. to Combustion Engineering, Inc. 2,698,929, Cl. 340—239.
- Greanias, Evon C.: *See*—  
Jacobs, Robert B., and Greanias. 2,700,111.
- Greathhead, Clarence W., to Selas Corp. of America. 2,719,581, Cl. 158—27.4.
- Great Lakes Carbon Corp.: *See*—  
Bregar, George W. 2,701,240.
- Great Lakes Mills, Inc.: *See*—  
Schmidt, Arnold W. 2,704,877.
- Greaves, Joseph. 2,704,970, Cl. 97—217.
- Greaves, Robert W., to International Business Machines Corp. 2,726,166, Cl. 117—21.
- Grebby, John W.: *See*—  
Taylor, William I., and Grebby. 2,707,308.
- Grebe, Conrad H. 2,698,641, Cl. 153—54.
- Grebey, George F., and V. G. Anthony. 2,712,058, Cl. 240—10.67.
- Greblick, Julius L., and R. D. Stevenson, to Ethyl Corp. 2,718,385, Cl. 259—133.
- Grecco, Louis P. 2,710,130, Cl. 229—15.
- Greco, Charles C., P. E. Ruffolo, and J. M. Kessler. 2,721,011, Cl. 223—2.
- Greco, Frank C. 2,705,783, Cl. 339—99.
- Greco, Fred: *See*—  
Greco, James. 2,722,153.
- Greco, James, 50% to F. Greco. 2,722,153, Cl. 84—375.
- Gredell, Otto N., to Standard Steel Works. 2,719,692, Cl. 248—245.
- Greedy, Edwin F.: *See*—  
Schaaf, Edward J., and Greedy. 2,716,321.
- Greeman, Wirt G., to Safety Box Toe Co. 2,706,351, Cl. 36—77.
- Green, Barrett K., to The National Cash Register Co. 2,712,507, Cl. 117—36.
- Green, Barrett K., to The National Cash Register Co. 2,714,074, Cl. 117—45.
- Green, Bernard E. 2,700,398, Cl. 139—88.
- Green, Beth B.: *See*—  
Bullard, Earl J. Re. 23,937.
- Green, Clarence C., to Armstrong Cork Co. 2,712,203, Cl. 49—63.
- Green, Clarence J., to Norton Co. 2,710,495, Cl. 51—101.
- Green, Clarence R. 2,722,150, Cl. 81—165.
- Green, Clyde W. 2,703,251, Cl. 294—50.8.
- Green, David E., and H. Beinert, to Wisconsin Alumni Research Foundation. 2,713,577, Cl. 260—211.5.



- Green, Dick R.: *See*—  
 Buchanan, Andrew E., III, and Green. 2,719,335.  
 Elliott, James M., and Green. 2,716,781.  
 Green, Donald C. 2,725,749, Cl. 73—395.  
 Green, Duane L., and W. A. Hare, to E. I. du Pont de Nemours & Co. 2,699,433, Cl. 260—30.2.  
 Green, Earnest B. 2,707,615, Cl. 254—100.  
 Green, Edward A., to Security Machine Products Co. 2,722,698, Cl. 10—72.  
 Green, Edward H., to Aerosol Research Co. 2,709,111, Cl. 299—95.  
 Green, Edward L.: *See*—  
 Kissner, James E., Green, and Kissner. 2,701,591.  
 Green, Edwin T. 2,703,455, Cl. 33—23.  
 Green, Estill I.: *See*—  
 Bangert, John T., and Green. 2,726,368.  
 Green, Frank L., to Green Mfg. Co. 2,705,643, Cl. 279—96.  
 Green, George P. 2,718,830, Cl. 94—40.  
 Green, George P. 2,718,831, Cl. 94—40.  
 Green, Harry M.: *See*—  
 Fisher, Elwyn D., and Green. 2,723,928.  
 Green, Harold L. and R. D., and J. B. Cosser. 2,702,683, Cl. 248—309.  
 Green, Hoyt A.: *See*—  
 Bethune, George R., Jr., and Green. 2,726,505.  
 Green, Isaac H. C., to Hemphill Co. Re. 23,928, Cl. 66—201.  
 Green, Isaac H. C., to Hemphill Co. Re. 23,929, Cl. 66—179.  
 Green, Isaac H. C., to Hemphill Co. 2,702,462, Cl. 66—140.  
 Green, James H., and S. A. Lopenski, to Westinghouse Electric Corp. 2,716,620, Cl. 117—94.  
 Green, John D. F.: *See*—  
 Jackson, Donald, and Green. 2,725,805.  
 Green, John W. 2,704,878, Cl. 28—78.  
 Green, Kenneth E., and W. R. Hagan. 2,722,268, Cl. 155—179.  
 Green, Larry Q., to E. I. du Pont de Nemours and Co. 2,702,276, Cl. 252—8.6.  
 Green, Lee B. 2,714,916, Cl. 153—35.  
 Green, Lorn A. 2,716,420, Cl. 137—193.  
 Green Mfg. Co.: *See*—  
 Green, Frank L. 2,705,643.  
 Green, Martin. 2,703,927, Cl. 30—59.  
 Green, Martin. 2,704,081, Cl. 131—217.  
 Green, Martin. 2,704,092, Cl. 143—6.  
 Green, Martin. 2,728,141, Cl. 30—273.  
 Green, Martin J. 2,699,555, Cl. 4—288.  
 Green, Myron B. 2,722,703, Cl. 15—143.  
 Green, Norval H., to Radio Corp. of America. 2,708,248, Cl. 313—261.  
 Green, Philip, to J. W. Gardner. 2,702,574, Cl. 146—226.  
 Green, Ray D.: *See*—  
 Green, Harold L. and R. D., and Cosser. 2,702,683.  
 Green, Raymond J., to Continental Motors Corp. 2,714,428, Cl. 184—11.  
 Green, Richard A., to M. Smith. 2,700,870, Cl. 59—7.  
 Green, Robert G., to North American Aviation, Inc. 2,728,030, Cl. 315—166.  
 Green, Rudolph C., to J. N. Schramm. 2,718,696, Cl. 30—200.  
 Green, Rupert: *See*—  
 Peabody, Louis C. 2,723,749.  
 Green, Samuel G. 2,712,270, Cl. 89—1.7.  
 Green, Stanley A., to Hill-Mar Industries Inc. Re. 23,955, Cl. 5—47.  
 Green, Thomas H., to Shell Development Co. 2,718,491, Cl. 196—49.  
 Green, Walter P., Jr.: *See*—  
 Long, Robert S., Green, and Fiess. 2,721,111.  
 Green, Walter P., Jr., and H. O. Walker, to Masonite Corp. 2,713,031, Cl. 252—8.5.  
 Green, Wharton, Jr., to Nye-Wait Co., Inc. 2,707,839, Cl. 35—55.  
 Green, Willard J.: *See*—  
 Leitner, Richard G., Martin, and Green. 2,708,696.  
 Green, Wyman R. 2,714,762, Cl. 30—211.  
 Green, Xan B. K., to Boice Mfg. Co., Inc. 2,725,636, Cl. 33—143.  
 Green, Xan B. K., and H. Preble, Jr., to General Slicing Machine Co., Inc. 2,704,940, Cl. 74—16.  
 Green, Xan B. K., and H. Preble, Jr., to General Slicing Machine Co., Inc. 2,709,325, Cl. 51—248.  
 Green, Xan B. K., and H. Preble, Jr., to General Slicing Machine Co., Inc. 2,721,430, Cl. 51—248.  
 Greenawalt, Frederick A.: *See*—  
 Hoover, Arthur M., and Greenawalt. 2,707,584.  
 Greenawalt, John E. 2,717,825, Cl. 23—262.  
 Greenbaum, Arthur, to Academy Electrical Products Corp. 2,704,832, Cl. 339—99.  
 Greenbaum, Arthur, to Academy Electrical Products Corp. 2,717,365, Cl. 339—99.  
 Greenbaum, William H.: *See*—  
 Carlisle, Richard W., Greenbaum, and Gundersheim. 2,699,471.  
 Greenberg, Emanuel M. 2,723,660, Cl. 128—1.  
 Greenberg, Emanuel M. 2,723,666, Cl. 128—321.  
 Greenberg, Gerald. 2,710,051, Cl. 155—128.  
 Greenberg, Norman and W. S., to Kiddy Case Mfg. Co., Inc. 2,704,736, Cl. 154—138.  
 Greenberg, Walter S.: *See*—  
 Greenberg, Norman and W. S. 2,704,736.  
 Greenblatt, M. Joseph: *See*—  
 Shaw, Kenneth D. 2,720,687.  
 Greene, Claude E.: *See*—  
 De Haas, Max, and Greene. 2,720,129.  
 327394—P—11  
 Greene, Cora S.: *See*—  
 Greene, Fred E. 2,713,520.  
 Greene, Edgeworth, to Inter-Seal Corp. 2,723,773, Cl. 215—29.  
 Greene, Fred E., ½ to C. S. Greene. 2,713,520, Cl. 304—29.  
 Greene, Glenn G., Jr. 2,702,719, Cl. 292—16.  
 Greene, Gordon Z. 2,724,968, Cl. 73—201.  
 Greene, John F. 2,714,073, Cl. 106—207.  
 Greene, Leonard M. 2,716,228, Cl. 340—27.  
 Greene, Marcus. 2,707,470, Cl. 128—252.  
 Greene, Norman. 2,714,975, Cl. 222—205.  
 Greene, Oren W., R. W. Twitty, and T. L. Richie, to Textile Equipment Corp. 2,703,438, Cl. 19—69.  
 Greene, Otto W., to The Pfaudler Co. 2,714,024, Cl. 286—9.  
 Greene, Sidney R., to Bendix Aviation Corp. 2,710,898, Cl. 201—52.  
 Greenewald, Herbert, Jr. 2,701,207, Cl. 106—38.9.  
 Greenfield, Alec, to The Greenfield Co. 2,707,128, Cl. 296—95.  
 Greenfield, Alexander, to Bendix Aviation Corp. 2,714,658, Cl. 250—27.  
 Greenfield, Alexander, to Bendix Aviation Corp. 2,719,285, Cl. 340—183.  
 Greenfield Co., The: *See*—  
 Greenfield, Alec. 2,707,128.  
 Greenfield Tap and Die Corp.: *See*—  
 Strickland, Royce M. 2,710,979.  
 Strickland, Royce M. 2,712,658.  
 Greenhalgh, Milton S., and S. C. Martens, to General Electric Co. 2,708,173, Cl. 117—232.  
 Greenhow, Harry: *See*—  
 Bud, Hans, and Greenhow. 2,713,971.  
 Greenland, Leonard S., to H. M. Hobson Ltd. 2,721,765, Cl. 299—120.  
 Greenleaf, Francis D., E. B. Novikoff, and A. T. Walther, to Servo Corp. of America. 2,708,615, Cl. 346—33.  
 Greenlee, Delbert L. and H. B., and H. M. Zimmerman. 2,709,437, Cl. 128—288.  
 Greenlee, Earl M. 2,715,884, Cl. 115—29.  
 Greenlee, Harry B.: *See*—  
 Greenlee, Delbert L. and H. B., and Zimmerman. 2,709,437.  
 Greenlee, Harry R., to Chrysler Corp. 2,726,556, Cl. 74—645.  
 Greenlee, Sylvan O., to Devoe & Reynolds Co., Inc. 2,712,001, Cl. 260—47.  
 Greenlee, Sylvan O., to Devoe & Reynolds Co., Inc. 2,713,569, Cl. 260—47.  
 Greenlee, Sylvan O., to Devoe & Reynolds Co., Inc. 2,717,885, Cl. 260—47.  
 Greenlund, Richard W. 2,721,437, Cl. 56—249.  
 Greenman, Norman L., and R. C. Berry, to Rogers Corp. 2,698,788, Cl. 92—3.  
 Greeno, John R., and T. J. Dull, to John R. Greeno Co. 2,708,461, Cl. 140—92.7.  
 Greeno, John R., Co.: *See*—  
 Greeno, John R., and Dull. 2,708,461.  
 Greenough, William. 2,705,938, Cl. 119—52.  
 Greenspan, Herman. 2,711,810, Cl. 197—113.  
 Greenspan, Morris. 2,723,341, Cl. 240—2.  
 Greenspon, Henry, and L. B. Simons. 2,708,285, Cl. 16—88.  
 Greenstadt, Isidor. 2,703,602, Cl. 155—182.  
 Greenstein, Leon M., to The Mearl Corp. 2,713,004, Cl. 106—193.  
 Greenwalt, Jess F., V. G. McGraw, and F. F. Richardson, to American Viscose Corp. 2,705,881, Cl. 68—205.  
 Greenwell, Richard H., to Hercules Powder Co. 2,720,981, Cl. 210—68.  
 Greenwood, Dolphice H. 2,709,455, Cl. 138—94.3.  
 Greenwood, Henry B. 2,705,143, Cl. 271—44.  
 Greenwood, Ivan A., Jr., to General Precision Laboratory Inc. 2,714,136, Cl. 179—171.  
 Greenwood, Ivan A., Jr., to the United States of America as represented by the Secretary of the Air Force. 2,718,001, Cl. 343—11.  
 Greenwood, James H., to Magnecord, Inc. 2,698,875, Cl. 178—6.6.  
 Greenwood, Raymond H. 2,700,244, Cl. 43—57.5.  
 Greer, Carl S., Jr., to Tranter Mfg. Inc. 2,716,802, Cl. 29—157.3.  
 Greer, Clifford W. 2,705,894, Cl. 78—53.5.  
 Greer, Donald M., and J. L. Zink, to Armour and Co. 2,709,656, Cl. 99—116.  
 Greer, Edward M., to Greer Hydraulics, Inc. 2,706,891, Cl. 60—52.  
 Greer, Edward M., to Greer Hydraulics, Inc. 2,708,344, Cl. 60—51.  
 Greer, Edward M., to Greer Hydraulics, Inc. 2,710,630, Cl. 138—30.  
 Greer, Edward M., to Greer Hydraulics, Inc. 2,721,580, Cl. 138—30.  
 Greer, Edward M., to Greer Hydraulics, Inc. 2,725,252, Cl. 292—256.65.  
 Greer, Edward M., and H. A. Polanski, to Greer Hydraulics, Inc. 2,712,756, Cl. 73—99.  
 Greer, Fred W., to J. W. Greer Co. 2,709,278, Cl. 18—58.  
 Greer, Howard W. 2,714,353, Cl. 102—72.  
 Greer Hydraulics, Inc.: *See*—  
 Greer, Edward M. 2,706,891.  
 Greer, Edward M. 2,708,344.  
 Greer, Edward M. 2,710,630.  
 Greer, Edward M. 2,721,580.  
 Greer, Edward M. 2,725,252.  
 Greer, Edward M., and Polanski. 2,712,756.



- Greer, J. W., Co.: *See*—  
Greer, Fred W. 2,709,278.
- Greer, Thomas M., to Westinghouse Electric Corp. 2,725,507, Cl. 318—6.
- Greeson, Claret B., to J. I. Case Co. 2,717,136, Cl. 248—75.
- Gregg, Edward B.: *See*—  
King, Herbert. 2,708,965.
- Gregg, Robert A.: *See*—  
Dacey, William F., Gregg, and Hess. 2,721,811.
- Gregg, Thomas C. 2,707,746, Cl. 219—39.
- Gregg, Tresham D. 2,724,238, Cl. 60—35.6.
- Gregg, Wallace. 2,717,773, Cl. 261—102.
- Gregory, Benjamin F., to Marco Mfg. Co. 2,714,936, Cl. 180—44.
- Gregory, Benjamin F., to Marco Mfg. Co. 2,715,032, Cl. 280—106.5.
- Gregory, Charles E.: *See*—  
Cameron, William E., Rumbold, and Gregory. 2,707,878.
- Gregory, Edward: *See*—  
Lilliendahl, William C., and Gregory. 2,707,679.
- Gregory, Edward D.: *See*—  
Wroughton, Donald M., and Gregory. 2,699,015.
- Gregory, Frederick F. 2,718,229, Cl. 129—18.
- Gregory, George E., Jr., to Gregory Industries, Inc. 2,727,123, Cl. 219—4.
- Gregory, George P., to Hercules Powder Co. 2,727,837, Cl. 117—157.
- Gregory Industries, Inc.: *See*—  
Gregory, George E., Jr. 2,727,123.  
Kennedy, George E. 2,718,579.  
Mowry, Lorenz J. 2,727,971.  
Ruebel, Charles, and Murdock. 2,718,578.
- Gregory, James. 2,717,133, Cl. 244—148.
- Gregory, Walter A., to E. I. du Pont de Nemours and Co. 2,726,264, Cl. 260—556.
- Gregory, Walter A., to E. I. du Pont de Nemours and Co. 2,726,265, Cl. 260—556.
- Gregston, John E. 2,713,275, Cl. 76—78.
- Greider, Clarence E., and M. R. Null, to Union Carbide and Carbon Corp. 2,710,812, Cl. 106—217.
- Greif Bros. Cooperage Corp., The: *See*—  
Carpenter, Herbert L., Jr. 2,718,995.
- Greif, Karl J., to General Aniline & Film Corp. 2,704,007, Cl. 88—14.
- Greig, Harold G., to Radio Corp. of America. 2,727,826, Cl. 106—289.
- Greig, John H.: *See*—  
Ferguson, Walter F. C., and Greig. 2,699,101.
- Greiner, Charles J., and H. A. Collins, to International Cotton Products Co. 2,710,007, Cl. 128—263.
- Greiner, Elbert F. 2,728,455, Cl. 209—99.
- Greiner, Emil, Co., The: *See*—  
Gilmont, Roger. 2,702,047.
- Greist Mfg. Co., The: *See*—  
Baehr, Carl G. 2,717,565.  
Burgess, Robert W., Gundersen, and Connors. 2,700,948.  
Russell, Herbert H. 2,711,705.
- Grekel, Howard, and K. L. Hujsak, to Stanolind Oil and Gas Co. 2,710,831, Cl. 202—57.
- Grelat, Maurice, and W. Kern, to Ciba Ltd. 2,702,294, Cl. 260—316.
- Greminger, George K., Jr.: *See*—  
Weaver, Miles A., and Greminger. 2,712,500.
- Greminger, Kurt. 2,723,344, Cl. 240—78.
- Grenco, Inc.: *See*—  
Knapp, Hans J. 2,706,148.
- Grenell, Leland H.: *See*—  
Wurtz, Clifford H., and Grenell. 2,712,736.
- Grenfell, Thomas C.: *See*—  
Sumner, Oscar R., and Grenfell. 2,725,336.
- Grenier, C. J., Ltd.: *See*—  
Trudeau, Richard. 2,721,325.
- Grenier, Joseph W. 2,707,658, Cl. 305—10.
- Grenzebach, Edgar L., and H. G. Merkel: said Merkel assor. to said Grenzebach. 2,717,547, Cl. 98—66.
- Gresham, Claude D., and E. Hoffmann, to Tip-Top Products Co. 2,718,894, Cl. 132—133.
- Gresham, Donald C., to McCorquodale & Co. Ltd. 2,704,252, Cl. 95—5.1.
- Gresham, Donald C., to McCorquodale & Co. Ltd. 2,704,254, Cl. 95—8.
- Gresham, Donald C., to McCorquodale & Co. Ltd. 2,711,372, Cl. 95—5.
- Gresham, Donald C., to McCorquodale Co. Ltd. 2,715,578, Cl. 95—5.1.
- Gresham, Donald C., to McCorquodale & Co. Ltd. 2,721,032, Cl. 235—64.7.
- Gresham, George C. 2,722,945, Cl. 137—456.
- Gresham, Harold E., A. Dunlop, and M. A. Wheeler, to Rolls-Royce Ltd. 2,712,498, Cl. 75—171.
- Gresham, John C.: *See*—  
Shaad, George E., Beck, and Gresham. 2,722,639.
- Gresham, Lonnie L. 2,703,065, Cl. 115—25.
- Gresham, William F., and M. A. Naylor, Jr., to E. I. du Pont de Nemours and Co. 2,712,543, Cl. 260—346.3.
- Gresham, William F., M. Kompaniez, and F. W. Livermont, to A. Kompaniez. 2,726,891, Cl. 292—337.
- Gretener, Edgar. 2,724,787, Cl. 313—149.
- Gretener, Walter, to A. & R. Wiedemar. 2,723,770, Cl. 214—515.
- Grether, Lester M., and P. Olson, to The George W. Borg Corp. 2,715,812, Cl. 58—7.
- Gretteve, Karl E. L., to Lilla Edets Pappersbruks AB. 2,711,863, Cl. 242—72.
- Gretzinger, John R.: *See*—  
Foster, William J., and Gretzinger. 2,709,950.
- Greulich, Gerald G. 2,728,276, Cl. 94—13.
- Grevas, Steve P. 2,715,392, Cl. 123—25.
- Greve, John E. 2,712,485, Cl. 311—60.
- Greve, Reinhard C.: *See*—  
Unk, Jacob M., Scheffer, and Greve. 2,714,631.
- Greulich, John J., to Doughboy Industries, Inc. 2,727,648, Cl. 216—55.
- Greulich, John J. 2,728,543, Cl. 248—41.
- Grey, Pierre B.: *See*—  
Kauppi, Reino. 2,725,917.
- Grey, Romer: *See*—  
Keithley, Walter A. 2,708,449.
- Greyhound Corp., The: *See*—  
Dean, Milo M., Thunstrom, and Martin. 2,722,987.
- Gribben, Patrick. 2,727,663, Cl. 223—107.
- Gribbin, Alfred P.: *See*—  
McLachlan, Charles G., Ames, and Gribbin. 2,708,126.
- Gribble, Vola J., and T. U. Whitaker, to W. M. Gribble. 2,717,389, Cl. 2—50.
- Gribble, Walter G., to Erie Resistor Corp. 2,726,304, Cl. 201—48.
- Gribble, William M.: *See*—  
Gribble, Vola J., and Whitaker. 2,717,389.
- Gridel, Henri, and J. Valembois, to Electricite de France. 2,698,539, Cl. 73—304.
- Griebing, Louis G., to The Firestone Tire & Rubber Co. 2,700,366, Cl. 118—50.
- Grief Bros. Cooperage Corp., The: *See*—  
Minteer, Robert D., and Leighton. 2,719,662.
- Griefen, Richard A., to Raytheon Mfg. Co. 2,716,223, Cl. 339—5.
- Grieg, Donald D., H. F. Engelmann, and J. A. Kostiza, to International Telephone and Telegraph Corp. 2,710,946, Cl. 333—97.
- Grieg, Donald D., and H. F. Engelmann, to International Telephone and Telegraph Corp. 2,721,312, Cl. 333—84.
- Grieg, Donald D., H. F. Engelmann, and J. A. Kostiza, to International Telephone and Telegraph Corp. 2,725,535, Cl. 333—81.
- Grierson, Paul S., to Thomas A. Edison, Inc. 2,718,424, Cl. 292—285.
- Gries, Henry: *See*—  
Martin, Herschel B. 2,720,403.
- Griesbach, Edwin C. 2,705,215, Cl. 195—125.
- Griesbach, Otto, to Bayerische Berg-, Hutten- und Salzwerke, A. G. 2,722,116, Cl. 66—56.
- Griesemer, Harry E., to Northwestern Steel and Wire Co. 2,712,837, Cl. 140—112.
- Griesemer, Harry E., to Northwestern Steel & Wire Co. 2,725,081, Cl. 140—112.
- Grieshaber, Emil, and K. Froehlich, to Nordberg Mfg. Co. 2,706,490, Cl. 137—516.27.
- Griesser, Fritz, to Rolladenfabrik A. Griesser A.-G. 2,701,611, Cl. 160—170.
- Griest, Raymond H., to Hughes Aircraft Co. 2,723,565, Cl. 73—432.
- Grieve, Alexander: *See*—  
Welch, Douglas F., Grieve, Hiron, and Pollard. 2,701,831.
- Grieve, John I., to Burgess Battery Co. 2,708,684, Cl. 136—111.
- Griffen, Frank G. 2,710,431, Cl. 20—4.
- Griffin, Dana A., and B. S. McCutchen, to Communication Measurements Laboratory, Inc. 2,705,741, Cl. 178—5.2.
- Griffin, Dustin H., R. N. Fiss, and L. Kiers, to Hunter Packing Co. 2,728,674, Cl. 99—118.
- Griffin, Dustin H., R. N. Fiss, and L. Kiers, to Hunter Packing Co. 2,728,675, Cl. 99—122.
- Griffin, Edward L., Jr., H. I. Sinnamon, and M. J. Willard, Jr., to the United States of America as represented by the Secretary of Agriculture. 2,719,970, Cl. 260—209.
- Griffin, Francis R., to Koppers Co. 2,726,111, Cl. 292—259.
- Griffin Fuel Co. of Seattle: *See*—  
White, Fred C. 2,703,194.
- Griffin, G. W., Co.: *See*—  
Doherty, William A., and Kelley. 2,725,085.
- Griffin, Gordon S. 2,703,911, Cl. 20—4.
- Griffin, Harold F.: *See*—  
Crookston, Robert R., and Griffin. 2,728,547.
- Griffin, Ira L. 2,698,983, Cl. 28—28.
- Griffin, Ira L. 2,698,984, Cl. 28—28.
- Griffin, Ira L. 2,698,985, Cl. 28—28.
- Griffin, James W. 2,726,472, Cl. 43—42.04.
- Griffin, Raymond L.: *See*—  
Sommer, Harry J., and Griffin. 2,706,688.
- Griffis, Jack E.: *See*—  
Crane, Douglas, Griffis, and Haggerty. 2,710,904.
- Griffith, Andrew S., Jr., to E. I. du Pont de Nemours and Co. 2,702,184, Cl. 259—107.
- Griffith, Frank S.: *See*—  
Cyr, Howard M., Griffith, and McFarland. 2,723,903.
- Griffith, Frederick. 2,700,799, Cl. 20—4.
- Griffith, Mark E. 2,698,981, Cl. 25—27.
- Griffith, Paul H. 2,720,409, Cl. 294—19.
- Griffiths, Alfred E. 2,721,558, Cl. 131—7.
- Griffiths, David J., and I. L. Sorenson. 2,721,605, Cl. 155—182.
- Griffiths, Edgar J. 2,701,644, Cl. 210—159.
- Griffiths, Francis P., P. W. Kilpatrick, W. O. Harrington, C. E. Hendel, and R. L. Olson, to the United States of America as represented by the Secretary of Agriculture. 2,705,679, Cl. 99—207.



- Griffiths, Thomas W. 2,714,817, Cl. 72—122.  
 Griffiths, James J., to Blood Bank of Dade County, Inc. 2,706,482, Cl. 128—314.  
 Griffon, Claudius. 2,714,722, Cl. 4—26.  
 Griffon, Claudius. 2,714,723, Cl. 4—26.  
 Griggs, Dwight A. 2,706,821, Cl. 5—357.  
 Grikscheit, Henry W. 2,708,599, Cl. 299—84.  
 Grill, Raymond E., to Northrop Aircraft, Inc. 2,706,431, Cl. 89—17.  
 Grillet, Lucien, and H. Regnault. 2,727,502, Cl. 123—122.  
 Grilli, John P.: *See—*  
   Mohr, Albert, Jr., and Grilli. 2,704,401.  
 Grim, John M., to Koppers Co., Inc. 2,715,118, Cl. 260—93.5.  
 Grimes, Claude E. 2,717,009, Cl. 140—2.  
 Grimes, David D., H. W. Bishop, and R. L. Schmidt, to the United States of America as represented by the Secretary of the Navy. 2,703,478, Cl. 60—35.6.  
 Grimes, Harlan E., to The Avey Drilling Machine Co. 2,709,932, Cl. 77—64.  
 Grimes, Milton J.: *See—*  
   Faulkner, Richard D., Barnes, and Grimes. 2,728,009.  
 Grimes, Warren G. 2,710,910, Cl. 240—2.1.  
 Grimes, Warren G. 2,721,289, Cl. 313—114.  
 Grimme, Walter, W. Keil, and H. Schmitz, to Rheinpreussen Aktiengesellschaft für Bergbau und Chemie. 2,701,796, Cl. 260—239.1.  
 Grimmeisen, Herman O., to Gilbert & Barker Mfg. Co. 2,720,359, Cl. 235—1.  
 Grimmer, Elmer J., to Westinghouse Electric Corp. 2,725,538, Cl. 336—70.  
 Grimshaw, Charles S., to General Electric Co. 2,711,079, Cl. 62—4.  
 Grimshaw, Charles S., to the United States of America as represented by the Secretary of the Navy. 2,716,345, Cl. 74—5.46.  
 Grimshaw, Charles S., to General Electric Co. 2,718,122, Cl. 62—8.  
 Grimshaw, Charles S., to General Electric Co. 2,721,029, Cl. 230—232.  
 Grindle, Aubrey J., and D. R. Killmer, Jr., to Grindle Corp. 2,699,796, Cl. 137—112.  
 Grindle Corp.: *See—*  
   Grindle, Aubrey J., and Killmer. 2,699,796.  
 Griner, Charles F., to Thompson Products, Inc. 2,703,511, Cl. 90—15.  
 Grinnell, Charles F. 2,708,385, Cl. 81—147.  
 Grinnell Corp.: *See—*  
   Boteler, Henry W. 2,725,211.  
   Denis, Robert B. 2,714,497.  
   Linker, William L. 2,716,017.  
   Rouvierol, William S. Re. 24,050.  
   Williams, James H. 2,715,787.  
 Grip Nut Co.: *See—*  
   Tripp, Chester D., and Kass. 2,707,507.  
   Tripp, Chester D., and Kass. 2,709,469.  
 Griparis, Andrew G. 2,701,490, Cl. 81—57.  
 Gripp, Vincent E.: *See—*  
   McLean, Andrew, and Gripp. 2,706,734.  
 Grischkat, George R.: *See—*  
   Damant, Laurence V., and Grischkat. 2,728,513.  
 Griscom, Richard W.: *See—*  
   Berl, Leo, Smith, and Griscom. 2,718,531.  
 Griscom, Samuel B., to Westinghouse Electric Corp. 2,707,241, Cl. 307—57.  
 Grisé, Alfred L., to Gilbert & Barker Mfg. Co. 2,718,276, Cl. 183—2.5.  
 Griset, Ernest J., Jr., to the American Enka Corp. 2,706,089, Cl. 242—18.  
 Griset, Ernest J., Jr., to American Enka Corp. 2,724,957, Cl. 68—181.  
 Griset, Ernest J., Jr., to American Enka Corp. 2,725,276, Cl. 8—151.2.  
 Griset, Ernest J., Jr., D. J. Godehn, L. I. Nothstein, and B. M. Whitehurst, to American Enka Corp. 2,724,956, Cl. 68—181.  
 Grissette, Jean C. 2,718,077, Cl. 38—138.  
 Griswold Co.: *See—*  
   Griswold, Roger W., II, and De Haven. 2,710,649.  
 Griswold, Elizabeth M.: *See—*  
   Griswold, Roger W., II, and De Haven. 2,710,649.  
 Griswold, Owen H. 2,728,622, Cl. 312—135.  
 Griswold, Roger W., II, and H. De Haven, to E. M. Griswold, d. b. a. Griswold Co. 2,710,649, Cl. 155—189.  
 Griswold, Walter R., to Gaylord Container Corp. 2,726,584, Cl. 93—49.  
 Gritman, Carl, C. A. Toce, and R. Broussard, to Electro-Acid Corp. 2,715,081, Cl. 136—154.  
 Gritman, Carl, R. Broussard, C. A. Toce, and J. H. Joynt, to Electro-Acid Corp. 2,715,082, Cl. 136—154.  
 Gritman, Carl, C. A. Toce, and R. Broussard, to Electro-Acid Corp. 2,715,148, Cl. 136—26.  
 Gritman, Carl, R. Broussard, C. A. Toce, and J. H. Joynt, to Electro-Acid Corp. 2,715,150, Cl. 136—27.  
 Gritman, Carl, R. Broussard, C. A. Toce, and J. H. Joynt, to Electro-Acid Corp. 2,715,151, Cl. 136—27.  
 Gritzke, Ralph R. 2,710,185, Cl. 267—49.  
 Gritzner-Kayser Aktiengesellschaft: *See—*  
   Engel, Wolfgang. 2,713,839.  
 Groat, Francis P., to The Magee Carpet Co. 2,709,461, Cl. 139—403.  
 Groat, Francis P., to The Magee Carpet Co. 2,719,541, Cl. 139—406.  
 Grob, Benjamin: *See—*  
   Grob, Ernst and B. 2,715,846.  
 Grob, Cyril, to Organon Inc. 2,715,143, Cl. 260—590.  
 Grob, Ernst and B., to Grob, Inc. 2,715,846, Cl. 80—60.  
 Grob, Inc.: *See—*  
   Grob, Ernst and B. 2,715,846.  
 Grob, Otto, to Heer & Co. A. G. 2,720,870, Cl. 123—32.  
 Grobey, Paul A., to Bryant Chucking Grinder Co. 2,704,915, Cl. 51—105.  
 Grobey, Paul A., to Bryant Chucking Grinder Co. 2,712,449, Cl. 279—106.  
 Grobey, Paul A., to Bryant Chucking Grinder Co. 2,719,721, Cl. 279—4.  
 Grobey, Paul A., to Bryant Chucking Grinder Co. 2,723,497, Cl. 51—5.  
 Grobl, Jon E.: *See—*  
   Moody, John L., and Grobl. 2,714,986.  
 Groce, Homer W., to Cocker Machine & Foundry Co. 2,723,441, Cl. 28—35.  
 Gro-Cord Rubber Co.: *See—*  
   Ecclesine, George A. 2,722,756.  
 Grodzinski, Paul, F. A. Beard, and W. Stern. 2,713,259, Cl. 73—81.  
 Groene, Willard L. 2,720,087, Cl. 62—4.  
 Groene, Willard L. 2,720,149, Cl. 98—2.  
 Groenendal, Ubbo W. 2,717,084, Cl. 211—20.  
 Groenendale, Henry J., to Westinghouse Air Brake Co. 2,719,910, Cl. 246—63.  
 Groeteke, Eugene A.: *See—*  
   Trickey, Philip H., and Groeteke. 2,721,964.  
 Groff, Edwin L., to Quinlan Pretzel Co., Inc. 2,712,291, Cl. 107—14.  
 Groff, Elsa C.: *See—*  
   Groff, Everett R. 2,711,641.  
 Groff, Everett R., 50% to E. C. Groff. 2,711,641, Cl. 68—184.  
 Grogan, David H. 2,717,137, Cl. 248—99.  
 Grogan, Edward C., to Minneapolis-Honeywell Regulator Co. 2,712,321, Cl. 137—86.  
 Groh, August J. 2,704,958, Cl. 87—56.  
 Groh, August J. 2,718,810, Cl. 87—56.  
 Groll, Alvin F. 2,728,571, Cl. 271—2.4.  
 Gromer, George N.: *See—*  
   Garnett, Edward V., and Gromer. 2,715,014.  
 Gronblom, Berndt: *See—*  
   Holmberg, Tor F. 2,721,813.  
 Gronemeyer, Herbert W., to Armco Steel Corp. 2,700,813, Cl. 29—66.  
 Gronemeyer, Herbert W., to Armco Steel Corp. 2,700,814, Cl. 29—148.4.  
 Gronemeyer, Herbert W., to Armco Steel Corp. 2,700,909, Cl. 80—23.  
 Gronlund, Theodore H., and E. O. Berkness. 2,710,058, Cl. 160—103.  
 Gronning, Thorbjorn, to Continental Can Co., Inc. 2,727,338, Cl. 51—144.  
 Gronowski, Raymond S., to Standard Oil Co. 2,720,099, Cl. 67—22.5.  
 Groocock, Edith, and F. M. Kerr. 2,700,767, Cl. 2—42.  
 Groom, Reginald W. 2,711,978, Cl. 134—10.  
 Groombridge, Walter H.: *See—*  
   Lincoln, James, Cohn, and Groombridge. 2,723,266.  
 Grooms, Albert O., to General Motors Corp. 2,700,716, Cl. 200—140.  
 Grooms, Albert O., to General Motors Corp. 2,725,444, Cl. 200—140.  
 Grootenhuys, Pieter: *See—*  
   Evans, Edgar C., Ford, Moore, and Grootenhuys. 2,727,932.  
 Groov-Pin Corp.: *See—*  
   Walther, Fidejustus. 2,704,473.  
 Grosh, Martin L., to Kilgore, Inc. 2,698,700, Cl. 222—79.  
 Gross, Albert, to The Perfect Parts Co. 2,723,162, Cl. 301—111.  
 Gross, Alois V. 2,708,758, Cl. 9—1.  
 Gross, Charles H. 2,727,337, Cl. 51—103.  
 Gross, Charles J.: *See—*  
   Cutler, Wallace M., Knowles, and Gross. 2,709,823.  
 Gross, Daniel: *See—*  
   Schwartz, Samuel M., and Gross. 2,715,585.  
 Gross, Frank C., and W. Luczek, to Package Machinery Co. 2,704,966, Cl. 93—49.  
 Gross, Fritz A.: *See—*  
   Hall, William M., and Gross. 2,700,092.  
 Gross, Hans-Werner, and P. A. C. Royen, to Metallgesellschaft Aktiengesellschaft. 2,727,056, Cl. 260—449.6.  
 Gross, Howard H., to Texaco Development Corp. 2,726,986, Cl. 196—14.15.  
 Gross, Irving, J. R. Little, Jr., and R. Guillemette, to Fairhope Fabrics, Inc. 2,706,898, Cl. 66—193.  
 Gross, Isadore, to Burroughs Corp. 2,707,779, Cl. 340—250.  
 Gross, John N., E. A. Kops, and H. K. Peck, Jr., 1/2 to J. N. Gross and 1/2 to D. C. Rickenbacker. 2,714,727, Cl. 4—185.  
 Gross, Joseph F., to Union Bag & Paper Corp. 2,721,687, Cl. 229—6.  
 Gross, Kenneth J.: *See—*  
   Kusserow, Gerhard W., Klohs, Bates, and Gross. 2,727,891.  
 Gross, Maurice J., to Barnes Drill Co. 2,720,973, Cl. 210—1.5.  
 Gross, Philipp, and D. L. Levi, to Almin Patents Ltd. 2,718,464, Cl. 75—84.  
 Gross, William: *See—*  
   Scott, James H., Valentine, and Gross. 2,713,677.  
 Gross, William A. 2,723,893, Cl. 312—128.



- Gross, William J. 2,703,083, Cl. 128—156.  
 Grosse, Frank: *See—*  
   Barnes, Charles H., and Grosse. 2,722,029.  
 Grosselinger, Robert A., to Grovar, Inc. 2,725,108, Cl. 170—135.74.  
 Grossenbacher, Henry E.: *See—*  
   Grossenbacher, Robert H. and H. E. 2,708,869.  
 Grossenbacher, Robert H. and H. E. 2,708,869, Cl. 98—40.  
 Grosser, Charles D.: *See—*  
   Roberts, George A., Grosser, and Kiebert. 2,719,284.  
 Grossheim, Louis J., to Shell Development Co. 2,725,943, Cl. 169—4.  
 Grossi, Frank X., to The Reardon Co. 2,699,401, Cl. 106—193.  
 Grossinsky, Otto, and H. Umbach. 2,700,056, Cl. 260—564.  
 Grossinsky, Otto, W. Thurauf, A. Benning, G. Huck, and J. Ewers, to Bergwerksverband zur Verwertung von Schutzrechten der Kohlentechnik G. m. b. H. 2,726,262, Cl. 260—515.  
 Grosskopf, Karl, to O. H. Drager. 2,709,127, Cl. 23—230.  
 Grossman, Abraham. 2,704,866, Cl. 20—52.  
 Grossman, Charles. 2,706,460, Cl. 112—235.  
 Grossman, Harry C. 2,715,371, Cl. 104—135.  
 Grossman, John S. 2,701,734, Cl. 292—147.  
 Grossman, Ralph E. 2,712,189, Cl. 41—4.  
 Grossmann, Paul, and W. Kern, to Ciba Ltd. 2,715,128, Cl. 260—303.  
 Grossu, Mircea A., to Lombard Corp. 2,715,431, Cl. 153—35.  
 Grosz, Frank A. 2,724,046, Cl. 240—10.63.  
 Grote, Henry W.: *See—*  
   Murray, Maurice J., Haensel, and Grote. 2,717,230.  
 Grote, Henry W., to Universal Oil Products Co. 2,715,606, Cl. 202—66.  
 Grote, Henry W., to Universal Oil Products Co. 2,725,351, Cl. 202—160.  
 Grote, Irvine W.: *See—*  
   Holbert, James M., and Grote. 2,711,409.  
   Holbert, James M., and Grote. 2,711,410.  
   Holbert, James M., and Grote. 2,711,411.  
 Grote, Paul, to Aerzener Maschinenfabrik G. m. b. H. 2,710,540, Cl. 73—261.  
 Groth, Fred A., to F. A. Groth and J. D. Friedman. 2,717,035, Cl. 160—178.  
 Grothouse, Frank T.: *See—*  
   Frere, Clarence, and Grothouse. 2,712,669.  
 Grounds, Henry. 2,716,932, Cl. 97—10.  
 Grovar, Inc.: *See—*  
   Grosselinger, Robert A. 2,725,108.  
 Grove, Clinton: *See—*  
   Gundlach, Henry R., and Grove. 2,700,003.  
 Grove, George L.: *See—*  
   Dall, Albert H., and Grove. 2,709,877.  
 Grove, Jerome D.: *See—*  
   Palmquist, Philip V., and Grove. 2,726,222.  
 Grove, Marvin H., and A. U. Bryant, to Grove Valve and Regulator Co. 2,720,219, Cl. 137—630.19.  
 Grove, Marvin H., and A. U. Bryant, to Grove Valve and Regulator Co. 2,721,576, Cl. 137—505.28.  
 Grove, Marvin H., and A. U. Bryant, to Grove Valve and Regulator Co. 2,727,530, Cl. 137—505.28.  
 Grove, Theron A. 2,703,032, Cl. 82—11.  
 Grove Valve and Regulator Co.: *See—*  
   Bryant, Austin U. 2,700,983.  
   Bryant, Austin U. 2,713,989.  
   Grove, Marvin H., and Bryant. 2,720,219.  
   Grove, Marvin H., and Bryant. 2,721,576.  
   Grove, Marvin H., and Bryant. 2,727,530.  
   Gustafson, David A. 2,712,248.  
 Groven, Frederick H. 2,711,349, Cl. 301—37.  
 Grover Co., The: *See—*  
   Van Otteren, Wilbur M. 2,698,721.  
   Van Otteren, Wilbur M. 2,718,959.  
 Grover, Frank S.: *See—*  
   Prettyman, Irven B., and Grover. 2,713,260.  
 Grover, Horace J., to the United States of America as represented by the Secretary of the Army. 2,707,397, Cl. 73—386.  
 Grover, Victor T.: *See—*  
   Pechy, William, and Grover. 2,700,465.  
 Groves, Earl C., deceased (E. L. Monroe, administrator). 2,719,550, Cl. 143—46.  
 Groves, Frank, Co.: *See—*  
   Lanyon, Samuel H. 2,720,850.  
 Groves, James R. 2,711,586, Cl. 32—33.  
 Groves, Kenneth D.: *See—*  
   Price, James E., and Groves. 2,711,365.  
 Groves, Merton L.: *See—*  
   Hipp, Norbert J., Groves, and McMeekin. 2,702,800.  
 Grow, Harlow B. 2,706,887, Cl. 60—35.6.  
 Grow, Moris N. 2,709,344, Cl. 62—106.  
 Grubb, Edwin G., Jr. 2,712,960, Cl. 299—47.  
 Grubb, Gunnar A.: *See—*  
   Kögel, Wilhelm G., and Grubb. 2,702,457.  
   Kögel, Wilhelm G., and Grubb. 2,702,990.  
 Grubb, Gunnar A., to Aktiebolaget Elektrolux. 2,728,201, Cl. 62—95.  
 Grubb, Gunnar A., to Aktiebolaget Elektrolux. 2,728,202, Cl. 62—99.  
 Grubb, Robert, and D. H. Nusbaum. 2,709,667, Cl. 154—44.  
 Grubb, Roderic, to The Coleman Co., Inc. 2,699,819, Cl. 158—1.  
 Grubb, Willard T., Jr., to General Electric Co. 2,716,632, Cl. 204—60.  
 Grube, Frederick J., and L. A. Demchok, Sr., to General Electric Co. 2,719,546, Cl. 140—71.6.  
 Grubenmann, Johann J. 2,719,045, Cl. 286—5.  
 Gruber, Eli H. 2,727,564, Cl. 155—150.  
 Gruber, Francis E., to Brown & Bigelow. 2,725,721, Cl. 62—1.  
 Gruber, Hans, to J. Hungerle. 2,706,336, Cl. 33—69.  
 Gruber, Morris M., and G. J. Saliba, to Presto Recording Corp. 2,714,010, Cl. 274—4.  
 Gruber, Wilhelm B., to Sawyer's Inc. 2,700,322, Cl. 88—27.  
 Grubis, George A.: *See—*  
   Karp, Martin E., and Grubis. 2,720,426.  
 Grubman, Stanley. 2,713,655, Cl. 317—234.  
 Gruen, Wolf J., to General Electric Co. 2,704,812, Cl. 250—36.  
 Grueter, Carroll B. 2,710,984, Cl. 15—314.  
 Gruetzner, John T. 2,724,312, Cl. 95—18.  
 Grunder, Harold R.,  $\frac{1}{2}$  to L. Gray and  $\frac{1}{2}$  to W. R. Whitehead. 2,707,358, Cl. 51—241.  
 Grundig, Max: *See—*  
   Neumann, Adolf W. 2,709,769.  
 Gruner, Heinz E. R., to Bausch & Lomb Optical Co. 2,723,593, Cl. 88—24.  
 Gruner, John W., to the United States of America as represented by the Secretary of the Army. 2,724,688, Cl. 204—90.  
 Gruner, William J.: *See—*  
   Randall, Chester J., and Gruner. 2,724,676.  
 Grünwald, Heinrich, Helmut, and W. 2,721,734, Cl. 263—36.  
 Grünwald, Helmut: *See—*  
   Grünwald, Heinrich, Helmut, and W. 2,721,734.  
 Grünwald, Waldemar: *See—*  
   Grünwald, Heinrich, Helmut, and W. 2,721,734.  
 Grunlee, Sigwald C. 2,711,897, Cl. 271—28.  
 Grunsky, Carl E., to Sperry Rand Corp. 2,728,907, Cl. 343—13.  
 Grunt, Max. 2,702,179, Cl. 251—340.  
 Grunwald, Marshall F. 2,713,228, Cl. 43—25.  
 Grunwald, Robert, and D. K. White. 2,699,676, Cl. 73—157.  
 Grupp, Christian, to Wilhelm Grupp Offene Handelsgesellschaft Werkzeug-und Maschinenfabrik, 2,699,691, Cl. 76—37.  
 Grüssner, Andre, to Hoffmann-La Roche Inc. 2,719,847, Cl. 260—283.  
 Grüssner, André, and B. Hegedüs, to Hoffmann-La Roche Inc. 2,723,276, Cl. 260—343.2.  
 Grüssner, André, and B. Hegedüs, to Hoffmann-La Roche Inc. 2,723,277, Cl. 260—343.2.  
 Grüssner, Andreas: *See—*  
   Hegedüs, Balthasar, and Grüssner. 2,701,804.  
 Gruzewski, William G., and C. M. Heotis. 2,717,700, Cl. 211—74.  
 Grygiel, Joseph L. 2,715,972, Cl. 214—83.  
 Grzenkowski, Alfred E.: *See—*  
   O'Connor, Bernard E., and Grzenkowski. 2,724,893.  
 Grzybowski, John. 2,700,992, Cl. 143—132.  
 Gschwind, Edmund A.: *See—*  
   Langevin, Robert A., and Gschwind. 2,725,506.  
 Guadagna, Clement T. 2,705,983, Cl. 144—305.  
 Guadagni, Dante G., to United States of America as represented by the Secretary of Agriculture. 2,702,248, Cl. 99—193.  
 Guanella, Gustav, to Radio Patents Co. 2,700,129, Cl. 323—83.  
 Guarantee Specialty Mfg. Co., The: *See—*  
   Wright, Richard H., and Zay. 2,703,694.  
 Guardian Electric Mfg. Co.: *See—*  
   Nelsen, Marvin G., and Schmidt. 2,699,242.  
   Obszarny, Theodore J. 2,710,870.  
 Guardian Lockers Inc.: *See—*  
   Graver, Curtis A. 2,707,043.  
 Guardiola Aragones, Jaime J. F., C. Devaud, and O. Reinwald, to Voltolm Processes Ltd. 2,712,521, Cl. 204—12.  
 Guareschi, Pietro. 2,728,640, Cl. 23—283.  
 Guarino, John R., to Dialyzer Co. of America, Inc. 2,715,097, Cl. 210—8.5.  
 Guarino, Louis S. 2,713,156, Cl. 340—27.  
 Guarnaschelli, Stephen: *See—*  
   Roth, Grant V. W., and Guarnaschelli. 2,698,760.  
   Roth, Grant V. W., and Guarnaschelli. 2,725,207.  
 Guarracini, Joseph A.: *See—*  
   Rotkin, Israel, Rabinow, and Guarracini. 2,714,928.  
 Guasco, Luigi. 2,723,262, Cl. 260—123.7.  
 Gubernator, Grace: *See—*  
   Perry, Eugene L. 2,702,497.  
 Gudge, Alfred J., and W. E. Burman, to Flexipac Ltd. 2,724,863, Cl. 18—38.  
 Gudish, William. 2,728,088, Cl. 4—217.  
 Guebert, Kenneth W., to The Dow Chemical Co. 2,712,982, Cl. 23—206.  
 Guebert, Kenneth W., to The Dow Chemical Co. 2,712,983, Cl. 23—206.  
 Guebert, Kenneth W., to The Dow Chemical Co. 2,712,984, Cl. 23—206.  
 Guebert, Kenneth W., to The Dow Chemical Co. 2,712,985, Cl. 23—206.  
 Gueffrey, Walter A., to American Can Co. 2,711,706, Cl. 113—24.  
 Gueli, Charles C.: *See—*  
   Bohnsack, John A., and Gueli. 2,714,729.  
 Guenst, William. 2,700,838, Cl. 41—9.  
 Guenther, Frederick O.: *See—*  
   Sprung, Murray M., and Guenther. 2,718,511.  
 Guenther, Harry W., to Coats & Clark Inc. 2,698,817, Cl. 117—138.8.  
 Guenther, Howard L.: *See—*  
   Walton, Edward J., and Guenther. 2,728,323.



- Guenther, John H. 2,699,498, Cl. 250—20.  
 Guentner, Robert L., and R. K. Jenny, to Westinghouse Electric Corp. 2,727,156, Cl. 250—92.  
 Guentsche, Helmuth, L. A. Nelson, and H. O. Schjolin, to General Motors Corp. 2,724,292, Cl. 74—732.  
 Guentsche, Helmuth, L. A. Nelson, and H. O. Schjolin, to General Motors Corp. 2,724,293, Cl. 74—732.  
 Guerine, George N.: *See—*  
     Raines, Thomas A. 2,714,379.  
 Guerinet, Roger J., to Societe Stapfer & Cie, s. a. r. l. 2,716,910, Cl. 81—3.8.  
 Guerra, John P., and R. E. Colling, to Fedders-Quigan Corp. 2,722,403, Cl. 257—133.  
 Guerrini, Vincenzo: *See—*  
     Pasquini, Vittorio, and Guerrini. 2,716,952.  
 Guess, Algernon P.: *See—*  
     Danby, Spencer, Jr., Ellett, Guess, and Williams. 2,713,698.  
 Guest, Freeman M., and G. E. Manis, to Model Engineering & Mfg., Inc. 2,727,126, Cl. 219—14.  
 Guest, Howard R., and B. W. Kiff, to Union Carbide and Carbon Corp. 2,710,884, Cl. 260—601.  
 Guest, James. 2,713,732, Cl. 36—71.  
 Guest, Ronald F. W.: *See—*  
     Rainbow, Horace S., and Guest. 2,708,340.  
 Guettler, Herbert W. 2,711,130, Cl. 100—153.  
 Guggenheim, Daniel and Florence, Foundation, The: *See—*  
     Goddard, Robert H. 2,709,887.  
     Goddard, Robert H. 2,709,890.  
     Goddard, Robert H. 2,712,962.  
     Goddard, Robert H. 2,717,182.  
     Goddard, Robert H. 2,718,899.  
     Goddard, Robert H. 2,722,100.  
     Goddard, Robert H. 2,726,510.  
 Guggenheim, Max M., to National Equipment Corp. 2,704,519, Cl. 107—7.  
 Guggi, Walter B.: *See—*  
     Immel, Ralph B. 2,722,649.  
 Guiberson Corp., The: *See—*  
     Lane, John J. 2,715,552.  
     Losey, Thomas B. 2,711,939.  
 Guibert, Francis W. 2,712,759, Cl. 74—217.  
 Guidry, Hanson L.: *See—*  
     Newby, Wales H., and Guidry. 2,726,159.  
 Guiette, Maurice G. 2,699,797, Cl. 137—151.  
 Guilbert, André V. E. C. 2,726,345, Cl. 310—187.  
 Guilbert, Nicholas R., Jr., to the United States of America as represented by the Secretary of the Army. 2,714,998, Cl. 242—158.  
 Guild, C. L., Construction Co.: *See—*  
     Guild, Charles L. 2,728,138.  
 Guild, Charles L. 2,711,078, Cl. 61—74.  
 Guild, Charles L., to C. L. Guild Construction Co. 2,728,138, Cl. 30—108.  
 Guild Industries Inc.: *See—*  
     Goldblatt, Philip and M. A. 2,725,094.  
 Guild, Lloyd V. 2,698,778, Cl. 23—292.  
 Guildford, Joseph R. 2,702,504, Cl. 98—41.  
 Guildford, Joseph R. 2,728,500, Cl. 223—105.  
 Guiles, Charles H., to The Sperry Corp. 2,704,815, Cl. 307—149.  
 Guillemette, Roger: *See—*  
     Gross, Irving, Little, and Guillemette. 2,706,898.  
 Guilmin, Victor, Jr., to Lakeland Foundation. 2,728,337, Cl. 128—2.  
 Guilleminot, Roger. 2,724,214, Cl. 49—3.  
 Guillissen, Clément J., and A. Gancberg, to Union Chimique Belge Societe Anonyme. 2,706,187, Cl. 260—33.6.  
 Guiney, Karl B., and C. R. Anderson, to Aluminum Co. of America. 2,698,684, Cl. 207—17.  
 Guinot, Henri M. 2,708,490, Cl. 183—114.6.  
 Guins, Sergei G.: *See—*  
     Browne, Kenneth A., and Guins. 2,720,431.  
 Gulo, Armand M. 2,707,379, Cl. 65—60.  
 Guise, Arthur B., to Ansul Chemical Co. 2,719,590, Cl. 169—31.  
 Guise, Arthur B., to Ansul Chemical Co. 2,720,270, Cl. 169—11.  
 Guise, Arthur B., and W. P. Paulsen, to Ansul Chemical Co. 2,708,605, Cl. 302—66.  
 Gulaskie, John J. 2,713,214, Cl. 36—44.  
 Gulbrandsen, Helge, to United Shoe Machinery Corp. 2,716,766, Cl. 12—36.  
 Gulbrandsen, Trygve, to Stylon Corp. 2,709,864, Cl. 41—1.  
 Gulbrandsen, Trygve, to John E. Smith's Sons Co. 2,711,270, Cl. 222—162.  
 Gulf Oil Corp.: *See—*  
     Cantrell, Troy L., Peters, and Smith. 2,721,176.  
     Cantrell, Troy L., and Smith. 2,707,172.  
     Cantrell, Troy L., and Smith. 2,707,173.  
     Cantrell, Troy L., and Smith. 2,707,174.  
     Cantrell, Troy L., and Smith. 2,707,175.  
     Carter, Charles E. 2,721,136.  
     Davis, Damon A., Jr. 2,726,135.  
     Davis, Damon A., Jr. 2,726,136.  
     Davis, Damon A., Jr. 2,726,137.  
     Irvine, Robert L. 2,713,023.  
     Slecke, Paul. 2,710,279.  
     Smith, Herschel G., and Cantrell. 2,711,947.  
     Smith, Herschel G., Cantrell, and Peters. 2,699,427.  
     Tailleur, Rodolfo J. 2,713,032.  
 Gulf Research & Development Co.: *See—*  
     Anhorn, Victor J., and Montgomery. 2,700,014.  
     Bardeen, Thomas, and Williams. 2,717,369.  
     Biber, Albert. 2,716,915.  
     Carter, Charles E., and Gwynn. 2,728,792.  
     Fernald, Herbert B., and Orr. 2,710,300.  
     Francis, Elliott S., and Shoemaker. 2,718,502.  
     Glazier, Edwin M. 2,728,650.  
     Gunst, Samuel B., and Alexander. 2,720,624.  
     Gwynn, Bernard H. 2,710,797.  
     Harrison, James M., and Somers. 2,702,783.  
     Harrison, James M., and Somers. 2,704,271.  
     Harrison, James M., and Somers. 2,704,272.  
     Hay, Russell G. 2,699,376.  
     Holtz, Quentin G. 2,717,347.  
     Jacobson, Eugene W., Wedner, and Eckler. 2,711,833.  
     Joyce, Thomas P., Jr. 2,700,015.  
     McAfee, Jerry. 2,723,942.  
     McCarthy, Paul R. 2,710,837.  
     McCarthy, Paul R., and Orem. 2,704,276.  
     McKinley, Joseph B., and Henke. 2,726,148.  
     McKinley, Joseph B., and Kline. 2,718,535.  
     McKinley, Joseph B., and Pardee. 2,703,789.  
     Montgomery, Charles W., and Weinberger. 2,699,383.  
     Pardee, William A., and Elliott. 2,706,168.  
     Pigott, Reginald J. S. 2,716,914.  
     Riethof, George, and Brown. 2,700,050.  
     Rocchini, Albert G. 2,718,503.  
     Stevens, Donald R., and Camp. 2,714,087.  
     Stevens, Donald R., and Fareri. 2,699,385.  
     Tracht, Joseph H. 2,720,265.  
 Gulgas, Geza, L. Slavic, and M. Stefanovic, to Federativna Narodna Republika Jugoslavija Savet Za Industriju I Gradjevinarstvo Vlade F. N. R. J. 2,706,527, Cl. 169—4.  
 Gullett Gin Co.: *See—*  
     Wallace, Jeffrey J. 2,712,673.  
 Gullixson, Harold R., and O. L. Smith, to Ditto, Inc. 2,718,181, Cl. 95—73.  
 Gullixson, Harold R., and H. F. Bruns, to Ditto, Inc. 2,720,165, Cl. 101—232.  
 Gullström, Ingmar S.: *See—*  
     Fischerström, Nils C. H., and Gullström. 2,708,571.  
 Gulton Mfg. Co.: *See—*  
     Fryklund, Donald H. 2,722,614.  
     Howatt, Glenn N. 2,714,148.  
     Howatt, Glenn N., and Dranetz. 2,714,708.  
 Gumb, Harry J., and N. J. Halverson. 2,707,983, Cl. 146—151.  
 Gumer, Abe. 2,708,414, Cl. 107—1.  
 Gumer, Isaac R.: *See—*  
     Davis, Ural E. 2,704,412.  
 Gummersall, John R., Sr. 2,702,450, Cl. 58—21.14.  
 Gumpfer, Harold D., and R. C. Marsh, to Ready-Power Co. 2,726,522, Cl. 64—4.  
 Gund, Konrad, and H. Berger. 2,721,949, Cl. 313—62.  
 Gündel, Wolfgang: *See—*  
     Henkel, Konrad, Gündel, and Kirstahler. 2,700,617.  
 Gundermann, Rolf: *See—*  
     Emele, Günther, and Gundermann. 2,722,202.  
 Gundersen, Arnold E.: *See—*  
 Gundersheim, Paul: *See—*  
     Carlisle, Richard W., Greenbaum, and Gundersheim. 2,699,471.  
     Burgess, Robert W., Gundersen, and Connors. 2,700,948.  
 Gundersen, Charles F. 2,703,391, Cl. 336—110.  
 Gunderson, Gunnar E., to Brad Foote Gear Works. 2,699,841, Cl. 184—6.  
 Gunderson, Henry T. 2,722,322, Cl. 214—16.1.  
 Gunderson, Ralph R.: *See—*  
     Ball, James W. 2,701,387.  
     Gunderson, Ralph R. 2,715,006, Cl. 248—160.  
     Gunderson, Ralph R. 2,722,083, Cl. 45—64.  
 Gunderson, Willard R.: *See—*  
     Ball, James W. 2,701,387.  
 Gundlach, Henry R., and C. Grove, to Central Commercial Co. 2,700,003, Cl. 117—100.  
 Gundlach, Severin N. 2,703,613, Cl. 164—46.  
 Gungie, Warren C., and R. E. Cleary, to Sylvania Electric Products Inc. 2,728,870, Cl. 313—108.  
 Gunite Concrete and Construction Co.: *See—*  
     Woodson, Walter R. 2,702,932.  
 Gunn, Joseph B., to Bendix Aviation Corp. 2,700,986, Cl. 137—623.  
 Gunnell Capsulations, Inc.: *See—*  
     Plourde, Neal N. 2,702,923.  
     Plourde, Neal N. 2,702,924.  
 Gunning, John R., to Provincial Paper, Ltd. 2,715,088, Cl. 154—93.  
 Gunning, Samuel D., and J. E. Feucht, to Westinghouse Air Brake Co. 2,701,551, Cl. 121—9.  
 Gunst, Samuel B., and F. C. Alexander, Jr., to Gulf Research & Development Co. 2,720,624, Cl. 324—61.  
 Günthard, Jacques, to Sandoz, A. G. 2,713,059, Cl. 260—372.  
 Günthardt, Emil, to Aktiengesellschaft Brown, Boveri & Cie. 2,728,001, Cl. 310—61.  
 Gunther, Harry B., to The Glenn L. Martin Co. 2,715,532, Cl. 279—4.  
 Gunton, Frank D., to General Electric Co. 2,717,326, Cl. 314—69.  
 Gunver Mfg. Co., The: *See—*  
     Tierney, Peter R. 2,723,692.  
 Guny, Louis. 2,699,243, Cl. 194—85.  
 Gunyou, Lyman J., to Avco Mfg. Corp. 2,725,701, Cl. 55—83.



- Gunzelmann, Rudolf, H. Erythropel, and G. Krüger, to Atlas-Werke A. G., and Steinkohlen Elektrizität Aktiengesellschaft. 2,724,656, Cl. 106—120.
- Gurasich, Stephen W.: *See—*
- Butterworth, Gilbert J., and Gurasich. 2,713,261.
- Gurewitsch, Anatole M., and H. C. Pollock, to General Electric Co. 2,701,909, Cl. 29—472.7.
- Gurley, Leslie R. 2,700,722, Cl. 219—38.
- Gurley, Martin H., Jr.: *See—*
- Jurgensen, Delbert F., Jr., Gurley, and Mangion. 2,707,472.
- Gurley, W. & L. E.: *See—*
- Loeck, Günther F. E. 2,718,816.
- Gurney, William A., to Dunlop Tire and Rubber Corp. 2,706,166, Cl. 154—139.
- Gurnick, Raymond S., and R. T. Joy, to Thompson Products, Inc. 2,709,651, Cl. 75—222.
- Gusmarino, Paul. 2,705,989, Cl. 150—46.
- Guss, William A., to Toledo Scale Co. 2,724,626, Cl. 308—236.
- Gussack, Milton P., to Grant Pulley & Hardware Corp. 2,711,358, Cl. 312—333.
- Gussack, Milton P., to Grant Pulley & Hardware Corp. 2,720,000, Cl. 16—82.
- Gussack, Seymour I., to Grant Pulley & Hardware Corp. 2,728,626, Cl. 312—333.
- Gustafson, August W. 2,720,340, Cl. 222—167.
- Gustafson, Benjamin F. 2,702,018, Cl. 118—417.
- Gustafson, David A., to Grove Valve and Regulator Co. 2,712,248, Cl. 77—63.
- Gustafson, Eric. 2,718,084, Cl. 43—17.2.
- Gustafson, Gottfrid L. 2,704,981, Cl. 103—72.
- Gustafson, Gunnar D. 2,720,923, Cl. 164—44.
- Gustafson, Leroy L.: *See—*
- Markley, George E., and Gustafson. 2,727,306.
- Gustafson, Nils G.: *See—*
- Scott, Charles W. F., and Gustafson. 2,706,436.
- Gustafson, Wayne. 2,708,444, Cl. 134—46.
- Gustat, James J.: *See—*
- Fessler, Frank. 2,714,573.
- Gustin-Bacon Mfg. Co.: *See—*
- Stephens, Joseph F. 2,724,866.
- Wysong, Paul V., Jr., and Callaway. 2,716,532.
- Gustin, Daniel S.: *See—*
- Brent, George D., Campbell, and Gustin. 2,725,919.
- Gustin, Daniel S., to Westinghouse Electric Corp. 2,709,644, Cl. 41—42.
- Gustin, George M., to The G. M. Diehl Machine Works, Inc. 2,709,463, Cl. 143—58.
- Gustin, Max. 2,724,194, Cl. 36—2.5.
- Gustus, Edwin L. 2,721,827, Cl. 167—65.
- Gutbrod Motorenbau G. m. b. H.: *See—*
- Scherenberg, Hans. 2,717,582.
- Gutcho, Sidney: *See—*
- Laufer, Louis, and Gutcho. 2,711,989.
- Laufer, Louis, Reed, and Gutcho. 2,702,799.
- Guth, Adalbert B. 2,709,654, Cl. 95—5.6.
- Guthrie, Charles G., to M. E. P. Co., Ltd. 2,722,295, Cl. 189—46.
- Guthrie, Edgar K. 2,728,157, Cl. 41—4.
- Guthrie, James M. 2,717,305, Cl. 219—38.
- Guthrie, James M. 2,726,031, Cl. 229—79.
- Guthrie, John D.: *See—*
- Parker, Edwin D., and Guthrie. 2,727,805.
- Guthrie, Robert C.: *See—*
- Varela, Arthur A., and Guthrie. 2,713,658.
- Guthrie, Robert U. 2,721,496, Cl. 88—24.
- Guthrie, William L. 2,722,118, Cl. 68—134.
- Gutshall, James G. 2,715,788, Cl. 40—83.
- Guterman, Robert P., to Remington Rand Inc. 2,698,930, Cl. 340—345.
- Gutierrez, Peter P. 2,724,210, Cl. 46—32.
- Gutierrez, Placido A. 2,703,963, Cl. 61—39.
- Guttman, Joseph M. 2,708,068, Cl. 229—92.8.
- Gutton, Henri, A. J. Ortusi, and R. Frumkin, to Compagnie Generale de Telegraphie Sans Fil. 2,710,364, Cl. 315—39.69.
- Guttridge, Eric J., and R. O. Parmenter, to Powers-Samas Accounting Machines Ltd. 2,701,686, Cl. 235—61.6.
- Gutzwiller, Ernst, and W. Schoenauer, to Sandoz A. G. 2,714,596, Cl. 260—303.
- Guy, Frederick M., to U. S. Universal Joints Co. 2,715,051, Cl. 308—28.
- Guyer, Jack E.: *See—*
- Luna, Herbert T., and Fox. 2,706,567.
- Guyer, Reynolds, to Waldorf Paper Products Co. 2,701,110, Cl. 242—55.5.
- Guyer, Reynolds, to Waldorf Paper Products Co. 2,701,692, Cl. 242—55.5.
- Guyer, Reynolds, to Waldorf Paper Products Co. 2,702,151, Cl. 229—15.
- Guyer, Reynolds, to Waldorf Paper Products Co. 2,706,076, Cl. 229—51.
- Guyer, Reynolds, to Waldorf Paper Products Co. 2,723,027, Cl. 206—65.
- Guyot, Raymond, to Textile and Chemical Research Co. Ltd. 2,702,982, Cl. 57—34.
- Guzzo, Joseph, and A. Helgason, to Essex Wire Corp. 2,706,280, Cl. 336—182.
- Gwaltney, Eugene C., Jr. 2,717,122, Cl. 236—44.
- Gwaltney, Eugene C., W. Shaw, and E. B. MacLean, to Saco- Lowell Shops. 2,712,675, Cl. 19—146.
- Gwinn, Joseph M., Jr., to Gar Wood Industries, Inc. 2,704,221, Cl. 298—22.
- Gwinn, Joseph M., Jr., to Gar Wood Industries, Inc. 2,725,152, Cl. 214—77.
- Gwynn, Bernard H.: *See—*
- Carter, Charles E., and Gwynn. 2,728,792.
- Gwynn, Bernard H., to Gulf Research & Development Co. 2,710,797, Cl. 75—28.
- Gygax, Andreas: *See—*
- Bossard, Werner, and Gygax. 2,724,722.
- Gynt, Sven, and Å. Lindstedt, to Allmanna Svenska Elektriska Aktiebolaget. 2,711,490, Cl. 310—194.
- Gyrodyne Co. of America, Inc.: *See—*
- Papadakis, Nicholas J. 2,704,128.
- György, Paul, to American Home Products Corp. 2,708,178, Cl. 195—103.5.
- György, Paul, R. Kuhn, and H. W. Ruelius, to American Home Products Corp. 2,708,165, Cl. 99—54.
- György, Paul, R. Kuhn, and F. Zilliken, to American Home Products Corp. 2,710,806, Cl. 99—54.
- György, Paul, R. Kuhn, and F. Zilliken, to American Home Products Corp. 2,710,807, Cl. 99—54.
- Gyproc Products Ltd.: *See—*
- Eaton, William T., and Strable. 2,722,262.
- H. H. and H. Mfg. Co.: *See—*
- Noll, Heinrich A. 2,713,977.
- H. & L. Tooth Co.: *See—*
- Launder, Ernie L. 2,703,938.
- H-P-M Development Corp.: *See—*
- Cotner, John C., and Tucker. 2,698,585.
- H<sub>2</sub> Oil Engineering Corp.: *See—*
- May, Russell D. 2,710,666.
- Haag, Franz A.: *See—*
- Huber, Ludwig R., and Haag. 2,701,950.
- Haag, Franz A., and L. R. Huber, to Swingfire (Bahamas) Ltd. 2,719,580, Cl. 158—4.
- Haage, Konrad, and E. Dornfeld. 2,718,884, Cl. 123—41.64.
- Håård, Hans B., and C. G. Svala. 2,718,621, Cl. 333—20.
- Haas, Anton: *See—*
- Junghans, Helmut, and Haas. 2,707,370.
- Haas, Arthur W.: *See—*
- Lot, Leon C., and Haas. 2,722,227.
- Haas, Arthur W., to Toledo Scale Co. 2,719,070, Cl. 312—289.
- Haas, Eduard: *See—*
- Uxa, Oskar. 2,704,174.
- Haas, Glenn B., to Star Sash Balance Corp. 2,702,402, Cl. 16—198.
- Haas, Harold G., and W. G. Nelld, to Bendix Aviation Corp. 2,714,146, Cl. 201—51.
- Haas, Otto R., to United Shoe Machinery Corp. 2,707,290, Cl. 12—17.2.
- Haas, Otto R., to United Shoe Machinery Corp. 2,707,926, Cl. 112—59.
- Haas, Otto R., to United Shoe Machinery Corp. 2,717,568, Cl. 112—253.
- Haas, Otto R., to United Shoe Machinery Corp. 2,723,633, Cl. 112—35.
- Haas, Paul, to Sylvania Electric Products Inc. 2,699,659, Cl. 67—31.
- Haas, Paul, to Sylvania Electric Products Inc. 2,727,017, Cl. 313—278.
- Haas, Sidney: *See—*
- Wandell, James W. 2,732,253.
- Haase, Fritz: *See—*
- Singer, Fritz, and Haase. 2,713,801.
- Haase, Fritz, to Tube Reducing Corp. 2,726,562, Cl. 80—19.
- Haase, Kurt: *See—*
- Cambeis, Walter, and Haase. 2,705,480.
- Haase, Lawrence H., to Kent Plastics Corp. 2,719,627, Cl. 206—45.13.
- Habart, Norman E. 2,721,386, Cl. 30—262.
- Habeo Mfg. Co.: *See—*
- Arndt, Raymond. 2,699,769.
- Habe, John L.: *See—*
- Stanitz, Jacques, Ullman, and Habe. 2,713,345.
- Stanitz, Jacques, Ullman, and Habe. 2,715,408.
- Haberkorn, Rudolf, to International Standard Electric Corp. 2,698,722, Cl. 243—31.
- Haberkorn, Rudolf, and A. Ziegler, to International Standard Electric Corp. 2,719,681, Cl. 243—31.
- Häberle, Albert: *See—*
- Linder, Willy, and Häberle. 2,714,670.
- Haberstump, Alfred H., to No-Sag Spring Co. 2,701,008, Cl. 155—179.
- Haberstump, Alfred H., to George C. Knight Co. 2,710,161, Cl. 248—203.
- Haberstump, Alfred H., to George C. Knight Co. 2,710,734, Cl. 248—178.
- Habicht, Ernst: *See—*
- Suter, Hans, and Habicht. 2,707,185.
- Suter, Hans, and Habicht. 2,708,677.
- Suter, Hans, Habicht, and Kündig. 2,712,014.
- Habitant Fence, Inc.: *See—*
- Eddy, Newell A., III. 2,721,727.
- Hablutzel, Charles E., and W. F. Ely, to the United States of America as represented by the Secretary of the Navy. 2,715,874, Cl. 102—93.
- Hachemeister, Charles A.: *See—*
- Hoadley, George B., and Hachemeister. 2,714,655.
- Hack, Heinrich: *See—*
- Federn, Klaus, and Hack. 2,722,830.
- Hack, Nathan, to Hack Shoe Co. 2,710,461, Cl. 36—28.
- Hack Shoe Co.: *See—*
- Hack, Nathan. 2,710,461.



- Hack, Theodore A.: *See*—  
Brown, Lee V., Kjonaaas, and Hack. 2,727,861.
- Hacker, George H. 2,716,864, Cl. 61—16.
- Hacker, Oskar. 2,721,483, Cl. 74—191.
- Hacker, Oskar. 2,728,472, Cl. 214—85.1.
- Hacker, Otto, to Carl Schenck Maschinenfabrik Darmstadt G. m. b. H. 2,715,688, Cl. 310—93.
- Hacking, Samuel: *See*—  
Fishman, Morris, and Hacking. 2,724,353.
- Hackleman, James C., deceased; V. R. Hackleman, executrix. 2,723,120, Cl. 272—38.
- Hackleman, Virginia R.: *See*—  
Hackleman, James C. 2,723,120.
- Hackman, William C., to Electric Steam Cleaner Mfg. Corp. 2,706,240, Cl. 219—38.
- Hackmyer, Saul S., to Ansol Co., Inc. 2,726,638, Cl. 120—45.4.
- Hackney, Donald E., to E. I. du Pont de Nemours and Co. 2,722,323, Cl. 214—64.
- Hacman, Dionisie, and G. Klemt, to Cycloptic Anstalt fur Optik und Machanik. 2,718,173, Cl. 88—57.
- Haddad, Salomão J., to Standard Hosiery Mills. 2,726,525, Cl. 66—50.
- Haddix, Robert J.: *See*—  
Hott, Ion V. K., and Haddix. 2,708,986.  
Hott, Ion V. K., and Haddix. 2,708,987.  
Hott, Ion V. K., and Haddix. 2,708,988.
- Haden, Joel W. 2,700,972, Cl. 128—272.
- Hadfield, James, to Beyer Peacock & Co. Ltd. 2,712,479, Cl. 308—137.
- Hadfield, James. 2,720,432, Cl. 308—137.
- Hadley, Charles R., Co.: *See*—  
Webb, Robert R., and Nardon. 2,720,263.
- Hadley, David J., and R. Heap, to The Distillers Co. Ltd. 2,716,664, Cl. 260—604.
- Hadley, David J., and C. A. Woodcock, to The Distillers Co. Ltd. 2,716,665, Cl. 260—604.
- Hadley, John M. 2,698,598, Cl. 119—29.
- Hadley, Wilfred N., to Parks & Woolson Machine Corp. 2,698,476, Cl. 26—29.
- Hadley, Wilfred N., to Parks & Woolson Machine Co. 2,707,815, Cl. 26—29.
- Hadley, Wilfred N., to Parks & Woolson Machine Co. 2,716,797, Cl. 26—29.
- Hadlock, Bill: *See*—  
Line, Dale A. 2,720,051.
- Haedike, Edward J.: *See*—  
Peters, Howard, and Haedike. 2,702,429.
- Haefele, John W., to The Procter & Gamble Co. 2,719,813, Cl. 167—87.1.
- Haefele, John W., to The Procter & Gamble Co. 2,719,814, Cl. 167—87.1.
- Haefele, Walter R., G. W. Hearne, and S. A. Ballard, to Shell Development Co. 2,723,994, Cl. 260—524.
- Haefl, Andrew V., and C. B. Smith. 2,727,181, Cl. 315—5.
- Haegle, Rowland W., to Sylvania Electric Products Inc. 2,713,117, Cl. 250—20.
- Haehn, Robert L., and D. F. Davis, to Towmotor Corp. 2,699,880, Cl. 214—654.
- Haehnel, Herbert E., to Textile Machine Works. 2,707,873, Cl. 66—157.
- Haensel, Max R. 2,712,227, Cl. 66—182.
- Haensel, Vladimir: *See*—  
Murray, Maurice J., Haensel, and Grote. 2,717,230.  
Pines, Herman, and Ipatieff. 2,721,885.  
Pines, Herman, and Ipatieff. 2,721,886.  
Pines, Herman, and Ipatieff. 2,721,887.
- Haensel, Vladimir, to Universal Oil Products Co. 2,698,829, Cl. 196—50.
- Haerther, Lester W., to Collins Radio Co. 2,727,372, Cl. 64—30.
- Haerther, William W., Jr.: *See*—  
Kyle, Colin, and Haerther. 2,705,442.
- Haeseler, John A. 2,704,009, Cl. 88—33.
- Haessler, Walter M., to C-O-Two Fire Equipment Co. 2,704,127, Cl. 169—11.
- Haessler, John T. 2,704,375, Cl. 15—209.
- Haessermann, Walter: *See*—  
Buchhold, Theodor, Haessermann, and Lindner. 2,717,969.
- Hafekost, Frederick: *See*—  
Manson, Morris, and Hafekost. 2,712,972.
- Haferkamp, Carl C.: *See*—  
Fletcher, Frank H., and Haferkamp. 2,721,623.
- Haffenberg, Howard G.: *See*—  
Budd, Larry J., Heidenreich, Lane, and Haffenberg. 2,725,171.
- Haffield, Walter V.: *See*—  
Moreland, Stephen T., and Haffield. 2,699,717.
- Hafer, David, and H. I. Keroes, to Acro Products Co. 2,710,312, Cl. 179—171.
- Häffiger, Franz: *See*—  
Girod, Emil, and Häffiger. 2,708,206.
- Häffiger, Franz, to J. R. Geigy, A. G. 2,700,670, Cl. 260—310.
- Häffiger, Franz, to J. R. Geigy, A. G. 2,700,671, Cl. 260—310.
- Hafner, Ernest, to Dubied Machinery Co. 2,709,906, Cl. 66—60.
- Hafner, Ernest E., to Dubied Machinery Co. 2,711,091, Cl. 66—63.
- Hafner, Ernest, to Dubied Machinery Co. 2,715,823, Cl. 66—66.
- Hafner, Ernest E., to Dubied Machinery Co. 2,718,130, Cl. 66—68.
- Hafner, Harold C., G. F. Brewster, and R. A. Weidel, to Bausch & Lomb Optical Co. 2,702,749, Cl. 106—53.
- Hafner, Ludwig G. P.: *See*—  
Quirk, Justin P., and Hafner. 2,712,661.
- Hagan Corp.: *See*—  
Anderson, George R. 2,719,535.  
Donaldson, Robert R. 2,710,015.  
Williams, Ray S. 2,719,534.
- Hagan, Walter R.: *See*—  
Green, Kenneth E., and Hagan. 2,722,268.
- Hage, Pieter W., to Stamicarbon N. V. 2,712,752, Cl. 73—55.
- Hage, William T., to The Babcock & Wilcox Co. 2,709,233, Cl. 318—31.
- Hägele, Karl: *See*—  
Banck, Werner, Baur, Hägele, and Rolli. 2,704,654.
- Hageline, Emil E., to The Lathrop-Paulson Co. 2,724,529, Cl. 222—427.
- Hageman, John W. 2,715,780, Cl. 33—188.
- Hagemann, August: *See*—  
Büchner, Karl, and Hagemann. 2,701,816.
- Hagemann, Guy: *See*—  
Penau, Henry, and Hagemann. 2,710,863.  
Penau, Henry H., and Hagemann. 2,715,092.  
Penau, Henry, Hagemann, and Claude. 2,715,090.
- Hagemann, French T., and H. C. Andrews, to the United States of America as represented by the United States Atomic Energy Commission. 2,723,901, Cl. 23—14.5.
- Hagemeyer, Hugh J., Jr., to Eastman Kodak Co. 2,701,260, Cl. 260—465.9.
- Hagemeyer, Hugh J., Jr., and M. A. Perry, to Eastman Kodak Co. 2,719,138, Cl. 260—45.5.
- Hagen, Glenn E., to Northrop Aircraft, Inc. 2,717,987, Cl. 340—207.
- Hagen, Harry P. 2,711,800, Cl. 188—18.
- Hagen, Norbert. 2,716,777, Cl. 18—19.
- Hagen, Oscar A. 2,727,366, Cl. 62—139.
- Hagen, William F. 2,725,907, Cl. 144—118.
- Hagenberg, Theodor: *See*—  
De Gier, Johannes, and Hagenberg. 2,722,085.
- Hagenbuch, Werner: *See*—  
Helfenberger, Hans, and Hagenbuch. 2,726,133.
- Hagensick, Charles G.: *See*—  
Boyer, John L., and Hagensick. 2,707,258.
- Hager, Archer L., and H. Park, to C. Hager & Sons Hinge Mfg. Co. 2,719,322, Cl. 16—169.
- Hager, C., & Sons Hinge Mfg. Co.: *See*—  
Hager, Archer L., and Park. 2,719,322.
- Häger, Carl O. E., to AB Svenska Flaktfabriken. 2,728,561, Cl. 257—245.
- Hager, Donald L., to Bendix Aviation Corp. 2,727,394, Cl. 74—7.
- Hager, Karl F.: *See*—  
Michel, Josef M., and Hager. 2,604,264.
- Hager, Karl F., and M. Rosenthal, to the United States of America as represented by the Secretary of the Army. 2,708,184, Cl. 252—147.
- Hager, Karl F., and M. Rosenthal, to the United States of America as represented by the Secretary of the Army. 2,715,572, Cl. 44—55.
- Hagerbaumer, William A., to Socony Mobil Oil Co., Inc. 2,716,050, Cl. 23—1.
- Hagerbaumer, William A., to Socony Mobil Oil Co., Inc. 2,726,122, Cl. 302—53.
- Haggard, John M., and P. H. McMurray, to Delphi Products Co., Inc. 2,703,554, Cl. 119—99.
- Haggerty, Francis A.: *See*—  
Crane, Douglas, Griffiths, and Haggerty. 2,710,904.
- Hagglund, Erik H. M., to The Kanthal Corp. 2,703,355, Cl. 201—67.
- Hägglund, Erik K. M., to Mo Och Domsjö Aktiebolag. 2,719,788, Cl. 92—11.
- Hägglund, Erik K. M., and T. U. E. Enkvist, to Svenska Cellulosaforeningens Centrallaboratorium (Cellulosaindustriens Centrallaboratorium). 2,711,430, Cl. 260—609.
- Haglund, Gustaf, to Aktiebolaget Hedemora Verkstader. 2,720,376, Cl. 249—14.
- Hagopian, Richard H., to Westinghouse Electric Corp. 2,701,842, Cl. 250—36.
- Hagopian, Richard H., to Westinghouse Electric Corp. 2,727,212, Cl. 333—27.
- Hags, Joseph W., to United States Steel Corp. 2,710,370, Cl. 318—6.
- Hagspihl, Paul, and F. Peters. 2,724,733, Cl. 136—19.
- Hagstrom, Gotthard, to The Safe Padlock and Hardware Co. 2,727,773, Cl. 292—169.
- Hague, Robert Z., and H. A. Aexanderson, to Bendix Aviation Corp. 2,708,427, Cl. 123—103.
- Hagwell, Edward R. 2,707,140, Cl. 311—99.
- Hagy, John T., to Uni-Pak Corp. 2,713,524, Cl. 308—88.
- Hahle, Edward W.: *See*—  
Du Puy, Charles T., and Hahle. 2,720,402.
- Hahn, Emil, to Lambert Brake Corp. 2,702,107, Cl. 192—93.
- Hahn, Erwin L.: *See*—  
Anderson, Arthur G., and Hahn. 2,714,714.
- Hahn, Erwin L., to International Business Machines Corp. 2,705,790, Cl. 340—173.
- Hahn, Homer H.: *See*—  
Gray, George S., and Hahn. 2,708,542.
- Hahn, Paul T.: *See*—  
Gaylord, James K., and Hahn. 2,704,798.  
Weaver, Ruth K., and Hahn. 2,698,623.
- Hahn, Robert S., to The Heald Machine Co. 2,699,696, Cl. 77—58.
- Hahn, Stuart H., to Dalmo Victor Co. 2,704,700, Cl. 346—101.
- Hahn, William P., to Johns-Manville Corp. 2,699,397, Cl. 106—50.



- Haidegger, Hans, to Ebauches S. A. 2,724,225, Cl. 53—102.  
 Haig, David R. P.: *See*—  
   Page, Anthony J., and Haig. 2,708,643.  
 Haigh, Edgar: *See*—  
   Burrell, Frank C., Haigh, and Keydel. 2,713,333.  
 Halley, Albert M., to Siemens Brothers & Co. Ltd. 2,723,391, Cl. 340—316.  
 Hailey, James G. 2,720,084, Cl. 62—3.  
 Hailey, James G. 2,720,088, Cl. 62—6.  
 Hailey, James G. 2,722,108, Cl. 62—7.  
 Haine, Michael E., to General Electric Co. 2,727,204, Cl. 323—22.  
 Haines, Edward F. 2,703,081, Cl. 128—37.  
 Haines, John F., to McCauley Industrial Corp. 2,702,086, Cl. 170—160.17.  
 Haines, William C. 2,716,954, Cl. 112—176.  
 Hair, Richard T.: *See*—  
   Ball, Charles F., and Hair. 2,727,639.  
 Haire, Thomas B. 2,728,450, Cl. 206—46.  
 Haire, Thomas B. 2,728,515, Cl. 229—71.  
 Hairston, Andrew F. 2,703,503, Cl. 81—126.  
 Haislip, Albert S. 2,715,266, Cl. 30—34.  
 Hait, James M., to Food Machinery and Chemical Corp. 2,702,112, Cl. 198—33.  
 Hait, James M., to Food Machinery and Chemical Corp. 2,706,596, Cl. 230—114.  
 Hajecate, Thomas H., to The Light House, Inc. 2,716,758, Cl. 9—8.  
 Hajek, Albert, and G. R. Weber. 2,712,712, Cl. 46—220.  
 Hajewski, Cyril M., to Kearney & Trecker Corp. 2,712,274, Cl. 90—15.  
 Hakala, Niilo V., and J. E. J. Kane, to Esso Research and Engineering Co. 2,716,090, Cl. 252—42.7.  
 Hakes, Carlton J. 2,702,786, Cl. 210—26.  
 Hakes, La Verne G., to Western Electric Co., Inc. 2,724,691, Cl. 204—204.  
 Hakomaki, Raymond I.: *See*—  
   Stinger, Henry J., Hakomaki, and Huch. 2,703,769.  
 Hakomaki, Raymond I., to General Mills, Inc. 2,711,780, Cl. 154—42.  
 Hakomaki, Raymond I., to General Mills, Inc. 2,726,706, Cl. 154—42.  
 Halahan, John, F. A. Lyon, and T. F. Aronson. 2,704,209, Cl. 271—32.  
 Halahan, John, T. F. Aronson, and F. A. Lyon. 2,726,798, Cl. 226—2.  
 Halde, Thomas E. 2,728,376, Cl. 155—117.  
 Haldeman, Bruce M., to Manhasset Machine Corp. 2,704,577, Cl. 164—99.  
 Hale, Andrew, R. K. Perkins, and W. H. Woodrow, to The Aetna-Standard Engineering Co. 2,725,220, Cl. 259—28.  
 Hale, Arthur N., to The Singer Mfg. Co. 2,709,371, Cl. 74—230.5.  
 Hale, Arthur N., to Union Special Machine Co. 2,718,860, Cl. 112—210.  
 Hale, Arthur N., to The Singer Mfg. Co. 2,726,614, Cl. 112—214.  
 Hale, Cecil H., to Esso Research and Engineering Co. 2,726,268, Cl. 260—604.  
 Hale, Clifford E.: *See*—  
   Votypka, John W., and Hale. 2,709,621.  
 Hale, James E. 2,710,701, Cl. 215—9.  
 Hale, James F., R. B. Nottingham, and E. W. Pitz, Jr., to The Borden Co. 2,712,501, Cl. 99—71.  
 Hale, Myron T. 2,702,941, Cl. 30—289.  
 Hale, Nathan S., and K. H. Abbott. 2,706,982, Cl. 128—87.  
 Hale, Ralph F.: *See*—  
   Goodrich, Ross H., and Hale. 2,726,064.  
 Hale, Stuart G., and C. W. Nuttman, to Bell Telephone Laboratories, Inc. 2,717,984, Cl. 336—134.  
 Hale, Ulysses G. 2,712,708, Cl. 43—137.  
 Hale, William J., to Verdun Co. 2,716,411, Cl. 131—9.  
 Haley, Harold A., and J. N. McIntire, to American Viscose Corp. 2,705,426, Cl. 73—423.  
 Haley, Kenneth M., to Reserve Mining Co. 2,707,304, Cl. 18—1.  
 Haley, Kenneth M., and H. V. Trask, to Oglebay, Norton and Co. 2,709,530, Cl. 214—18.  
 Haley, Robert G., to Boeing Airplane Co. 2,717,714, Cl. 218—42.  
 Halford, Frank B., E. S. Moulit, and W. H. Arscott, to The De Havilland Engine Co. Ltd. 2,726,508, Cl. 60—35.6.  
 Hall, Alan M., and E. H. Walton, to B. B. Chemical Co. 2,723,207, Cl. 117—122.  
 Hall, Alfred V. 2,707,224, Cl. 219—30.  
 Hall, Anne D.: *See*—  
   Babiarz, Raymond S., and Hall. 2,709,638.  
 Hall, Barbara V. 2,709,824, Cl. 15—247.  
 Hall, C. P., Co. of Illinois, The: *See*—  
   Pooler, Leo S. 2,716,133.  
 Hall, Cecil T. 2,705,265, Cl. 179—171.  
 Hall China Co., The: *See*—  
   Bower, James A. 2,719,623.  
 Hall, Claude C.: *See*—  
   Hompe, Robert W., Hall, and Martell. 2,698,707.  
 Hall, Colin C., to Sunvic Controls Ltd. 2,720,598, Cl. 307—97.  
 Hall, Cyril C., to Specialties Development Corp. 2,712,643, Cl. 340—237.  
 Hall, Darrell M., Sr. 2,716,238, Cl. 134—102.  
 Hall, Earl M.: *See*—  
   Lewis, Harold G. 2,724,517.  
 Hall, Eric A.: *See*—  
   Edmundson, David, and Hall. 2,703,876.  
 Hall, George B. 2,710,684, Cl. 198—218.  
 Hall, George E., Jr., to Wyandotte Chemicals Corp. 2,713,572, Cl. 260—79.5.  
 Hall, George L. 2,712,471, Cl. 299—84.  
 Hall, Guy H.: *See*—  
   Ernest, Fred. 2,719,767.  
 Hall, Henry S., to Morgan Construction Co. 2,723,842, Cl. 263—15.  
 Hall, Henry W., R. N. C. Strain, and A. Mathisen,  $\frac{1}{2}$  to Graviner Mfg. Co. Ltd., and  $\frac{1}{2}$  to The Wilkinson Sword Co. Ltd. 2,719,197, Cl. 200—88.  
 Hall, Homer J.: *See*—  
   Matheson, George L., and Hall. 2,711,387.  
 Hall, Howard T., to General Electric Co. 2,728,651, Cl. 51—293.  
 Hall, James D. 2,716,588, Cl. 23—125.  
 Hall, James R., to Radio Corp. of America. 2,714,634, Cl. 179—171.  
 Hall, Jesse E. 2,727,576, Cl. 166—241.  
 Hall, Jesse E., Sr. 2,710,741, Cl. 255—314.  
 Hall, Jesse E., Sr. 2,717,650, Cl. 166—241.  
 Hall, John A., to Stromberg-Carlson Co. 2,715,158, Cl. 179—18.  
 Hall, John R., to International Harvester Co. 2,726,502, Cl. 56—25.  
 Hall, Joseph E. 2,710,198, Cl. 280—81.5.  
 Hall, Keith W., to Baldwin-Lima-Hamilton Corp. 2,724,145, Cl. 18—16.5.  
 Hall, Loy A. 2,721,621, Cl. 183—2.7.  
 Hall, Luther A. R., to E. I. du Pont de Nemours and Co. 2,719,131, Cl. 260—2.  
 Hall, Maurice B., to the United States of America as represented by the Secretary of the Navy. 2,706,276, Cl. 333—81.  
 Hall, Maurice B., to the United States of America as represented by the Secretary of the Navy. 2,720,631, Cl. 333—97.  
 Hall, Michael F. 2,717,148, Cl. 261—16.  
 Hall, Nathan I., F. A. Korn, and H. E. Powell, to Bell Telephone Laboratories, Inc. 2,714,632, Cl. 179—84.  
 Hall, Orville C., to the United States of America as represented by the Secretary of the Navy. 2,705,755, Cl. 250—36.  
 Hall, Preston M. 2,703,357, Cl. 219—4.  
 Hall, Preston M., to United-Carr Fastener Corp. 2,710,386, Cl. 339—101.  
 Hall, Ralph D., to Electrofilm, Inc. 2,700,623, Cl. 117—71.  
 Hall, Ralph D., to Electrofilm, Inc. 2,703,768, Cl. 148—6.15.  
 Hall, Ralph W., to The Randall Co. 2,706,524, Cl. 164—65.  
 Hall, Reginald H., and E. S. Stern, to The Distillers Co. Ltd. 2,700,059, Cl. 260—615.  
 Hall, Robert C.: *See*—  
   Baker, Edmond L. 2,721,076.  
 Hall, Robert N., to General Electric Co. 2,705,767, Cl. 317—235.  
 Hall, Robert N., to General Electric Co. 2,717,343, Cl. 317—235.  
 Hall, Robert N., to General Electric Co. 2,721,965, Cl. 317—235.  
 Hall, Robert N., and W. E. Burch, to General Electric Co. 2,714,183, Cl. 317—235.  
 Hall, Robert W.,  $\frac{1}{2}$  to J. L. Ortner. 2,698,629, Cl. 135—5.  
 Hall, Ronald C., to Electric & Musical Industries Ltd. 2,717,324, Cl. 313—84.  
 Hall, Samuel S., to The Martins Ferry Glove Co. 2,710,971, Cl. 2—161.  
 Hall, Stanley A.: *See*—  
   Hings, Donald L., and Hall. 2,703,377.  
 Hall, Stanley R., to A. L. Chaney, d. b. a. Albert L. Chaney Chemical Laboratory. 2,722,998, Cl. 183—62.  
 Hall, Stephen N.: *See*—  
   Dunn, James H., Hall, Miller, and Neher. 2,706,172.  
 Hall Telephone Accessories Ltd.: *See*—  
   Forty, Albert J., and Whillock. 2,714,440.  
 Jury, Robert J. 2,717,966.  
 Hall, Victor C., to Merck & Co., Inc. 2,700,497, Cl. 226—82.  
 Hall, Waldo J., and Hall. 2,705,047.  
 Hall, William D.: *See*—  
   Toulon, Pierre M. G. 2,708,268.  
   Toulon, Pierre M. G. 2,713,657.  
   Toulon, Pierre M. G. 2,720,553.  
 Hall, William M., to Raytheon Mfg. Co. 2,717,995, Cl. 340—368.  
 Hall, William M., and F. A. Gross, to Raytheon Mfg. Co. 2,700,092, Cl. 219—10.55.  
 Hall, William F.: *See*—  
   Babiarz, Raymond S., and Hall. 2,709,638.  
 Hallam, Cecil A., and E. W. Reynolds, to Western Electric Co., Inc. 2,710,394, Cl. 340—259.  
 Hallberg, Göran: *See*—  
   Magnussen, Folke, and Hallberg. 2,709,306.  
 Halldorsson, Gisli, to Edw. Renneburg & Sons Co. 2,715,283, Cl. 34—79.  
 Halle, Simon: *See*—  
   McCullough, James N., Halle, and Walter. 2,699,493.  
 Halldad, Mervil, to The Midland Co. 2,711,805, Cl. 189—36.  
 Hallén, Erik G., to Telefonaktiebolaget L M Ericsson. 2,712,602, Cl. 250—33.  
 Haller, Clayton L., to Westinghouse Electric Corp. 2,725,453, Cl. 219—25.  
 Haller, George L. 2,709,716, Cl. 178—6.6.  
 Haller, John, to Michigan Powdered Metal Products Co., Inc. 2,700,209, Cl. 29—149.5.  
 Haller, John, to Michigan Powdered Metal Products Co., Inc. 2,700,210, Cl. 29—149.5.  
 Haller, John, to Allied Products Corp. 2,704,465, Cl. 74—434.



- Haller, John, to Allied Products Corp. 2,706,693, Cl. 117-71.  
Haller, John, to Allied Products Corp. 2,706,694, Cl. 117-112.  
Haller, John, to Allied Products Corp. 2,728,134, Cl. 29-149.5.  
Haller, John, to Allied Products Corp. 2,728,619, Cl. 308-240.  
Haller, John, K. P. MacKay, and A. L. Causley, to Michigan Powdered Metal Products Co., Inc. 2,698,774, Cl. 308-240.  
Haller Machine and Mfg. Co.: See—  
Lindsay, Rolland S. 2,704,087.  
Haller, Reinhold: See—  
Lautenbach, Friedrich, Uhink, Fickenscher, Haller, and Irtenkauf. 2,704,464.  
Hallerberg, Theodore W. 2,700,751, Cl. 339-128.  
Hallerberg, Theodore W. 2,705,318, Cl. 340-381.  
Hallerberg, Theodore W., R. L. Roberts, Jr., and H. H. Flum; said Roberts, Jr., and said Flum assors. to said Hallerberg. 2,710,954, Cl. 340-252.  
Hallerberg, Theodore W., R. L. Roberts, Jr., and H. H. Flum; said Roberts, Jr., and said Flum assors. to said Hallerberg. 2,710,955, Cl. 340-252.  
Hallerberg, Theodore W., R. L. Roberts, Jr., and H. H. Flum; said Roberts, Jr., and said Flum assors. to said Hallerberg. 2,710,956, Cl. 340-252.  
Hallerberg, Theodore W., R. L. Roberts, Jr., and H. H. Flum; said Roberts, Jr., and said Flum assors. to said Hallerberg. 2,723,389, Cl. 340-252.  
Hallett, Louis B. H., to Chance Brothers Ltd. 2,702,043, Cl. 137-52.2.  
Hallett Mfg. Co.: See—  
Balzer, Vernon W. 2,715,152.  
Hallewell, George, to Blackstone & Co. Ltd. 2,709,903, Cl. 64-27.  
Hallewell, Harold S.: See—  
Porter, Charles B. A. 2,705,487.  
Hallewell, Harold S. 2,705,004, Cl. 125-11.  
Hallewell, Harold S., and C. B. A. Porter. 2,722,787, Cl. 51-142.  
Halley, Angus M., to James Halley & Sons Ltd. 2,699,749, Cl. 118-2.  
Halley, James L. 2,705,828, Cl. 27-35.  
Halley, James, & Sons Ltd.: See—  
Halley, Angus M. 2,699,749.  
Halley, James W., to Inland Steel Co. 2,720,361, Cl. 235-103.5.  
Halley, Richard A.: See—  
Engelbreton, Earl L., and R. A. and R. J. Halley. 2,723,119.  
Halley, Robert J.: See—  
Engelbreton, Earl L., and R. A. and R. J. Halley. 2,723,119.  
Halliburton Oil Well Cementing Co.: See—  
Fewel, Kenneth J. 2,715,444.  
Halliday, John, and G. G. Cole. 2,723,723, Cl. 181-70.  
Halliday, John T.: See—  
Baker, Stanley W., and Halliday. 2,724,266.  
Halligan, Eugene P., to Nye Tool Co. 2,719,988, Cl. 10-120.5.  
Hallman, Haskell L. 2,724,101, Cl. 340-52.  
Hallowell, Charles G., to J. A. Blessis. 2,702,669, Cl. 235-83.  
Hallowell, Howard T., Jr., and F. Bennett, to Standard Pressed Steel Co. 2,711,787, Cl. 155-194.  
Hallowell, Howard T., and F. Bennett, to Standard Pressed Steel Co. 2,712,452, Cl. 280-79.1.  
Hallstrom, Matt S. 2,701,649, Cl. 214-3.  
Hallum, Andrew. 2,715,297, Cl. 47-19.  
Hallum, Andrew. 2,723,495, Cl. 47-19.  
Hallum, Andrew. 2,723,496, Cl. 47-19.  
Haloid Co., The: See—  
Codichini, Joseph J., Benson, and Mayo. 2,701,765.  
Landrigan, Richard B., Tom, and Fauser. 2,725,304.  
Phillips, Michael D. 2,711,481.  
Halpern, Alfred, and C. H. Bradney, to E. Fougera & Co., Inc. 2,698,822, Cl. 167-65.  
Halpern, Jack: See—  
Forward, Frank A., and Halpern. 2,727,806.  
Halpern, Johannes W. 2,710,728, Cl. 243-18.  
Halsey, Norman W. 2,716,376, Cl. 99-344.  
Halstead, Richard L., and L. V. Whipple, to R. P. Scherer Corp. 2,710,990, Cl. 18-42.  
Halstead, William S., to Multiplex Development Corp. 2,709,254, Cl. 343-200.  
Halsten, Gordon E. 2,711,614, Cl. 46-180.  
Haltenberger, Jules. Re. 24,040, Cl. 62-136.  
Haltenberger, Jules. 2,725,605, Cl. 20-40.5.  
Halter, Cyril, 1/2 to W. M. Zayets. 2,705,039, Cl. 150-52.  
Haltmeier, Alfred, to Farbenfabriken Bayer Aktiengesellschaft. 2,705,137, Cl. 263-28.  
Haltmeier, Alfred, to Farbenfabriken Bayer Aktiengesellschaft. 2,708,794, Cl. 34-92.  
Halttunen, Martin A., to General Electric Co. 2,706,025, Cl. 192-1.  
Halverson, Milton A., to Design-Rite Co. 2,720,413, Cl. 296-10.  
Halverson, Nordahl J.: See—  
Gumb, Harry J., and Halverson. 2,707,983.  
Halward, Folke. 2,711,157, Cl. 121-40.  
Ham, George E.: See—  
Craig, Alfred B., and Ham. 2,716,640.  
Craig, Alfred B., and Ham. 2,719,834.  
Ham, George E., to The Chemstrand Corp. 2,701,244, Cl. 260-85.5.  
Ham, George E., to The Chemstrand Corp. 2,710,847, Cl. 260-30.6.  
Ham, James M. 2,725,191, Cl. 235-61.  
Hamacher, Edward A.: See—  
Parrish, William, Lowitzsch, and Hamacher. 2,709,752.  
Hamaker, Russell A., to L. H. Schultz Mfg. Co. 2,702,631, Cl. 209-136.  
Hamano, Michisaburo: See—  
Suzuki, Sakuta, and Hamano. 2,715,354.  
Hamblet, Clement H., and R. E. Gee, to E. I. du Pont de Nemours and Co. 2,713,067, Cl. 260-537.  
Hamblin, Donald W. 2,727,291, Cl. 24-230.5.  
Hamby, Allen E.: See—  
Riordan, Matthew B., Jr., Boller, and Hamby. 2,701,615.  
Hamburger, Walter J., and C. L. Cummings, to Fabric Research Laboratories, Inc. 2,714,328, Cl. 88-14.  
Hamel, Frederick L. 2,699,839, Cl. 184-1.  
Hamer, Esta F. 2,708,797, Cl. 35-33.  
Hamilton, Alexander W. 2,727,772, Cl. 292-144.  
Hamilton, Alfred E. 2,722,087, Cl. 51-33.  
Hamilton, Andrew C., Jr. 2,710,065, Cl. 166-192.  
Hamilton, Bertis F. 2,704,630, Cl. 228-30.  
Hamilton, Bertis F. 2,728,378, Cl. 155-127.  
Hamilton, Charles R. 2,698,945, Cl. 2-197.  
Hamilton, Earl F. 2,710,053, Cl. 155-197.  
Hamilton, Francis E., and R. R. Seeber, Jr., to International Business Machines Corp. 2,700,502, Cl. 235-61.  
Hamilton, Fred G.: See—  
Stauss, Karl R., and Hamilton. 2,723,850.  
Hamilton, Jack C.: See—  
Dowling, Robert L., Jr., and Hamilton. 2,706,081.  
Hamilton, Jack L., M. H. Pakkala, and R. Smith, to United States Steel Corp. 2,704,883, Cl. 29-471.5.  
Hamilton, James C. 2,709,562, Cl. 248-216.  
Hamilton, James K., to Air Reduction Co., Inc. 2,701,578, Cl. 137-116.5.  
Hamilton, John: See—  
Redman, Frank R., Hamilton, and Wilson. 2,700,202.  
Hamilton Mfg. Co.: See—  
Brown, Clifford S. 2,722,318.  
Hamilton Metal Products Co., The: See—  
Piker, Herbert M., and Schultz. 2,717,469.  
Hamilton, Munroe H.: See—  
Rowell, William G. 2,711,696.  
Hamilton, Neil. 2,701,540, Cl. 116-35.  
Hamilton, Robert M.: See—  
Fetzer, Walter R., and Hamilton. 2,720,465.  
Hamilton, Ross. 2,708,580, Cl. 273-130.  
Hamilton, Selden. 2,699,465, Cl. 179-5.  
Hamilton, Stoddard C., Jr.: See—  
Respass, Forrest C., and Hamilton. 2,699,590.  
Hamilton, Thomas, to Westinghouse Electric Corp. 2,703,552, Cl. 118-612.  
Hamilton Watch Co.: See—  
Gifford, Harry P. 2,704,705.  
Koehler, Fred. 2,717,487.  
Wolfe, Bruce E. 2,706,381.  
Hamilton, William C., and F. Bub, to Mine Safety Appliance Co. 2,710,003, Cl. 128-191.  
Hamilton, William E., to Canadian Industries (1954) Ltd. 2,707,439, Cl. 102-27.  
Hamilton, William I.: See—  
Brady, James V., and Hamilton. 2,708,354.  
Hamilton, William L.: See—  
Day, William P., and Hamilton. 2,725,799.  
Hamilton, William P. 2,718,735, Cl. 51-170.  
Hamilton, William S. H. 2,703,375, Cl. 315-100.  
Hamilton, William S. H. 2,714,690, Cl. 315-103.  
Hamilton, William S. H. 2,714,691, Cl. 315-103.  
Hamilton, William S. H. 2,717,332, Cl. 315-100.  
Hamilton, William S. H. 2,717,333, Cl. 315-103.  
Hamlett, Sidney J., to White Sewing Machine Corp. 2,701,694, Cl. 242-150.  
Hamlin, Cyril A.: See—  
Russell, John A., Bouillé, Sutherland, and Hamlin. 2,721,067.  
Hamlin, Frank S.: See—  
Hayes, Victor L., Jr., and Hamlin. 2,704,973.  
Hamlin, Halley H., to Clevite Corp. 2,727,336, Cl. 51-3.  
Hamlin, Henry F.: See—  
Clark, Edgar R., Francey, and Hamlin. 2,705,221.  
Hamlin, Kenneth E.: See—  
Hasbrouck, Richard B., Spielman, and Hamlin. 2,727,906.  
Hamlin, Kenneth E., to Abbott Laboratories. 2,715,129, Cl. 260-319.  
Hamm, Douglas W.: See—  
Wenk, Fred A., and Hamm. 2,716,272.  
Hamm, Douglas W., to Muskegon Piston Ring Co. 2,720,435, Cl. 309-45.  
Hamm, Edwin B., to Wallace & Tiernan Products Corp. 2,701,201, Cl. 99-103.  
Hamm, Homer A., to General Bandages, Inc. 2,703,573, Cl. 128-156.  
Hamm, Reiner: See—  
Dimroth, Karl, Holle, Hamm, and Jaenicke. 2,719,844.  
Hamm, Reiner E.: See—  
Dimroth, Karl J., Holle, Hamm, and Jaenicke. 2,698,844.  
Hamman, Lyle J., to Eaton Stamping Co. 2,718,277, Cl. 183-44.



- Hammarström, Johan E., to Sandvikens Jernverks Aktiebolag. 2,705,035, Cl. 145—33.
- Hammel, Carl L. 2,719,399, Cl. 56—27.
- Hammell, Frederick P. 2,699,149, Cl. 120—108.
- Hammell, Kemper M., and J. D. Warhus, to General Electric Co. 2,723,737, Cl. 192—12.
- Hammer, Fred E. 2,721,589, Cl. 144—32.
- Hammer, Marvin H., L. V. Dutro, and S. H. Hewson; said Dutro and said Hewson assors. to said Hammer. 2,721,737, Cl. 270—58.
- Hammer, Oscar. 2,717,106, Cl. 222—318.
- Hammer, Samuel. 2,702,221, Cl. 311—107.
- Hammer, Samuel, to the United States of America as represented by the Secretary of the Army. 2,705,575, Cl. 220—32.
- Hammer, Sigwald M. 2,726,377, Cl. 340—163.
- Hammerly, Herman J., to General Electric Co. 2,719,423, Cl. 70—81.
- Hammerly, Herman J., R. T. Casey, and W. H. Yeamans, to General Electric Co. 2,701,894, Cl. 18—36.
- Hammerstrom, Henry H., and L. B. Woodruff. 2,713,646, Cl. 310—172.
- Hammerstrom, Ray A.: See—
- O'Keefe, John T., and Hammerstrom. 2,711,809.
- Hammes, Ever J.,  $\frac{1}{4}$  to F. Hammes,  $\frac{1}{4}$  to Q. A. Hammes, and  $\frac{1}{4}$  to the estate of J. W. Hammes. 2,701,855, Cl. 318—207.
- Hammes, Freda: See—
- Hammes, Ever J. 2,701,855.
- Hammes, John W.: See—
- Hammes, Ever J. 2,701,855.
- Hammes, Quinten A.: See—
- Hammes, Ever J. 2,701,855.
- Hammock, David M. 2,716,528, Cl. 244—12.
- Hammon, George L.: See—
- Pohndorf, Henry L., and Hammon. 2,709,577.
- Hammond, Arthur L., to Hoffman Radio Corp. 2,700,698, Cl. 178—5.4.
- Hammond, Arthur L., to Hoffman Radio Corp. 2,715,156, Cl. 178—5.4.
- Hammond, Charles F., to Gemmer Mfg. Co. Re. 23,978, Cl. 180—79.2.
- Hammond, Charles F., to Gemmer Mfg. Co. 2,698,579, Cl. 103—42.
- Hammond, Charles F., to Gemmer Mfg. Co. 2,707,375, Cl. 60—52.
- Hammond, Charles F., to Gemmer Mfg. Co. 2,724,977, Cl. 74—388.
- Hammond, Douglas W.: See—
- Croft, Arthur, Hammond, and Goff. 2,714,458.
- Hammond, Edmund B., Jr., to The Sperry Corp. 2,704,456, Cl. 74—5.4.
- Hammond, Edmund B., Jr., to The Sperry Corp. 2,704,490, Cl. 89—41.
- Hammond, Edmund B., Jr., to The Sperry Corp. 2,705,371, Cl. 33—49.
- Hammond, Edmund B., Jr., to The Sperry Corp. 2,709,303, Cl. 33—49.
- Hammond, Edmund B., Jr., and E. D. MacDonald, to Sperry Rand Corp. 2,718,355, Cl. 235—61.5.
- Hammond, Edmund B., Jr., W. G. Wing, and F. N. Williams, Jr., to The Sperry Corp. 2,704,489, Cl. 89—41.
- Hammond, Eugene H.: See—
- Wetherbee, George D., and Hammond. 2,726,067.
- Hammond, John A. S., to Food Machinery and Chemical Corp. 2,715,649, Cl. 260—681.
- Hammond, John H., Jr. 2,703,078, Cl. 126—214.
- Hammond, John H., Jr. 2,704,784, Cl. 178—7.4.
- Hammond, John H., Jr., and E. S. Purington; said Purington assor. to said Hammond, Jr. 2,711,441, Cl. 178—7.1.
- Hammond, Oil. 2,718,057, Cl. 30—16.
- Hamner, Glen P., to Esso Research and Engineering Co. 2,705,698, Cl. 202—69.
- Hampel, Clifford A.: See—
- Glasser, Julian, and Hampel. 2,703,752.
- Hampshire, William J., J. C. Coomes, and R. A. Motz, to Goodyear Aircraft Corp. 2,722,962, Cl. 154—1.
- Hampton, Ivan W. 2,699,963, Cl. 292—173.
- Hampton, Ray R., to Southport Paint Co., Inc. 2,708,170, Cl. 106—280.
- Hampton, William F., and E. J. Maher, to General Foods Corp. 2,724,651, Cl. 99—195.
- Hance, Francis E., to Hawaiian Development Co., Ltd. 2,728,652, Cl. 71—2.4.
- Hance, Harold V. 2,707,751, Cl. 250—27.
- Hancock, Albert S., Jr. 2,715,806, Cl. 51—261.
- Hancock Brick & Tile Co., The: See—
- Child, James L., Jr. 2,711,003.
- Hancock, John L., to Mastercrafters Clock & Radio Co. 2,708,114, Cl. 272—8.
- Hancock, Kenneth G., to Electro-Hydraulics Ltd. 2,721,447, Cl. 60—52.
- Hancock Mfg. Co.: See—
- Marple, Rollo. 2,702,400.
- Marple, Rollo. 2,712,957.
- Marple, Rollo, and Baker. 2,727,774.
- Hancock, Robert D., to Northrop Aircraft, Inc. 2,715,696, Cl. 313—210.
- Hancock, William. 2,714,920, Cl. 155—83.
- Hancock, William O. 2,703,563, Cl. 123—139.
- Hand, Leslie T., to Morsegraph Inc. 2,703,238, Cl. 270—73.
- Hand, Walter. 2,724,087, Cl. 324—54.
- Handel, Alfred J. 2,719,682, Cl. 244—49.
- Handel, George J., Jr., to Aircraft-Marine Products Inc. 2,705,797, Cl. 1—177.
- Handerson, Philip C. 2,713,863, Cl. 128—330.
- Handi-Fisher Corp.: See—
- Rufle, George H. 2,706,096.
- Handler, Elliot, J. Kossoff, and L. T. Stormon. 2,705,387, Cl. 46—118.
- Handley, George J.: See—
- Kress, Adam. 2,709,435.
- Handley, John, to The Union Totalisator Co. Ltd. 2,712,900, Cl. 235—92.
- Handley Page Ltd.: See—
- Hardeman, William E., Fletcher, Wilson, and Barlow. 2,722,389.
- Handoll, Percy G.: See—
- Glinn, Roy J., and Handoll. 2,722,033.
- Handschin, Max G., to Promundo. 2,709,202, Cl. 179—6.
- Haneberg, Raymond A.: See—
- Hobing, John W. 2,716,879.
- Hobing, John W. 2,727,375.
- Haneberg, Richard H.: See—
- Hobing, John W. 2,716,879.
- Hobing, John W. 2,727,375.
- Haner, Nils H. 2,728,478, Cl. 217—16.
- Hanes Hosiery Mills Co.: See—
- Dowell, George D. 2,727,373.
- Hanes, P. H., Knitting Co.: See—
- Beard, Ralph L. 2,728,080.
- Haney, Earl P. 2,704,258, Cl. 99—144.
- Haney, Richard G., and G. W. McKnight, to Minneapolis-Honeywell Regulator Co. 2,723,682, Cl. 137—634.
- Haney, Roy: See—
- Adamson, Harve. 2,699,030.
- Hanford, William E., to The M. W. Kellogg Co. 2,717,200, Cl. 23—190.
- Hanhart, Hans J. 2,717,407, Cl. 15—246.
- Hanhart, Walter, to Ciba Ltd. 2,709,166, Cl. 260—143.
- Hanin, Irving. 2,702,175, Cl. 248—236.
- Hanhart, Walter, and H. Riat, to Ciba Ltd. 2,717,891, Cl. 260—155.
- Hanington, Charles A., to The Scholl Mfg. Co., Inc. 2,702,544, Cl. 128—156.
- Hanink, Herman H.: See—
- Boam, Willard M., and Hanink. 2,714,760.
- Brauchler, Chandis H., and Hanink. 2,703,922.
- Hanke, Karl, and W. Depmer, to Metallgesellschaft Aktiengesellschaft. 2,722,474, Cl. 23—270.
- Hankin, Robert W., and H. G. Osborne, to Swish Products Ltd. 2,727,272, Cl. 16—93.
- Hankins, Elinor M.: See—
- Auten, Robert W., and Hankins. 2,727,015.
- Hankins, Elinor M., and S. Melamed, to Rohm & Haas Co. 2,727,016, Cl. 260—77.5.
- Hankins, Rex R. 2,728,488, Cl. 222—112.
- Hankins, Vern C.: See—
- Gilmore, Lloyd J., and Hankins. 2,700,519.
- Hankins, Willie L., Jr.,  $\frac{1}{2}$  to H. W. Donnell. 2,719,051, Cl. 294—96.
- Hankison, Paul M., and D. K. Bice. 2,715,945, Cl. 183—32.
- Hanks, Frederick W. 2,708,910, Cl. 121—69.5.
- Hanks, William E.: See—
- McCune, John S., and Hanks. 2,712,436.
- McCune, John S., and Hanks. 2,716,540.
- McCune, John S., and Hanks. 2,726,847.
- Hanley, Frank H., to American Telephone and Telegraph Co. 2,721,894, Cl. 178—69.
- Hanley, Frank H., to American Telephone and Telegraph Co. 2,726,281, Cl. 178—69.
- Hanley, Stanley M.: See—
- Bixby, William H. 2,709,778.
- Bixby, William H. 2,709,779.
- Bixby, William H. 2,713,140.
- Hann Victor A., and S. J. Niegowski, to The Welsbach Corp. 2,703,312, Cl. 210—2.
- Hann, William E.: See—
- Lucas, Joseph E. 2,724,196.
- Hanna, Richard R.: See—
- Germann, Kenneth R. 2,714,049.
- Hannah, Clifford G.: See—
- Squires, Alan T. B. P., and Hannah. 2,710,991.
- Hannah, Joe C., to The Fluor Corp., Ltd. 2,711,385, Cl. 196—50.
- Hannahs, Wilson H.: See—
- Caffiaux, Jean A., and Hannahs. 2,720,578.
- Hannas, Carl L. 2,720,929, Cl. 180—14.5.
- Hannaway, Paul R.: See—
- Woodell, Victor A., and Hannaway. 2,700,368.
- Hannev, Angus F., to The American Laundry Machinery Co. 2,703,097, Cl. 137—387.
- Hannifin Corp.: See—
- Maha, Otto J. 2,702,094.
- Peterson, Victor W., and Maha. 2,704,996.
- Peterson, Victor W., and Maha. 2,710,595.
- Hannigan, Agatha M.: See—
- De Mytt, Louis E., and Hannigan. 2,708,940.
- Hannon, Charles N.: See—
- Tautfest, Roy A. 2,721,673.
- Hannon, Gilbert H.: See—
- Bush, Robert G., and Hannon. 2,711,585.
- Hannon, Thomas W. 2,704,155, Cl. 209—238.
- Hannum, Arthur J., and H. A. Norby, to Hughes Aircraft Co. 2,728,856, Cl. 250—36.
- Hannum, Chester W., to E. I. du Pont de Nemours and Co. 2,727,888, Cl. 260—202.
- Hannum, John A., to Borg-Warner Corp. 2,721,792, Cl. 52—5.



- Hannun, Olive F.: *See*—  
Freeman, Erle D. 2,719,647.
- Hanover Bank, The: *See*—  
Myers, David M. 2,700,899.
- Hanover, Don C., Jr.: *See*—  
Hobson, Gordon G. 2,702,551.
- Hanovia Chemical & Mfg. Co.: *See*—  
Anderson, William T., Jr. 2,707,247.  
Anderson, William T., Jr. 2,727,175.  
Germer, Edmund. 2,709,767.
- Hansel, Leslie R., to Chelsea Products, Inc. 2,728,541, Cl. 248—15.
- Hansel, Sydney. 2,709,465, Cl. 144—208.
- Hansen, Aage H. 2,727,437, Cl. 88—41.
- Hansen, Andre M.: *See*—  
Webb, Edmond F., and Hansen. Re. 24,081.  
Webb, Edmond F., and Hansen. 2,711,828.
- Hansen, Arne B. 2,703,527, Cl. 102—6.
- Hansen, Arthur D. 2,722,231, Cl. 137—446.
- Hansen, Asgar, to Mikrovaerk A/S. 2,725,217, Cl. 257—4.
- Hansen, Asgar, to Mikrovaerk A/S. 2,725,815, Cl. 99—236.
- Hansen, Cecil F., to Craft-Bilt Co. 2,703,196, Cl. 228—29.
- Hansen, Charles W., to J. I. Case Co. 2,720,424, Cl. 302—59.
- Hansen, Clarence. 2,724,533, Cl. 223—94.
- Hansen, Elwood F.: *See*—  
Johnson, Rom T., and Hansen. 2,701,771.
- Hansen, Francis F. 2,707,923, Cl. 107—12.
- Hansen, Francis F. 2,707,924, Cl. 107—12.
- Hansen, George E., to Crane Co. 2,700,560, Cl. 285—175.
- Hansen, George E., to Crane Co. 2,726,404, Cl. 4—68.
- Hansen, George E., to Crane Co. 2,727,784, Cl. 299—59.
- Hansen, George E., and J. A. Paulius, Jr., to Crane Co. 2,699,179, Cl. 137—539.
- Hansen, George E., and E. W. Carr, to Crane Co. 2,725,076, Cl. 137—543.15.
- Hansen, George H., Jr., to The Vendo Co. 2,711,236, Cl. 192—17.
- Hansen, Gerhard, to C. Zeiss. 2,705,434, Cl. 88—14.
- Hansen, Hans G. V. 2,716,000, Cl. 236—80.
- Hansen, Hans P. 2,716,903, Cl. 74—557.
- Hansen, Harold S., ½ to D. W. C. Cooper. 2,704,508, Cl. 100—43.
- Hansen, James L.: *See*—  
Bloch, Felix, and Hansen. Re. 23,950.
- Hansen, James W., to California Spray-Chemical Corp. 2,714,572, Cl. 167—30.
- Hansen, Johannes P., to Southern States Equipment Corp. 2,727,401, Cl. 74—242.
- Hansen, Julius E. 2,710,002, Cl. 128—102.
- Hansen, Lester A., to Behr-Manning Corp. 2,699,791, Cl. 132—76.4.
- Hansen, Linn F. 2,709,076, Cl. 265—6.
- Hansen, Melvin P. 2,717,576, Cl. 119—14.18.
- Hansen, Ralph D. 2,714,506, Cl. 262—19.
- Hansen, Robert O.: *See*—  
Chartier, Eldrick D. 2,710,466.
- Hansen, Richard O. 2,709,526, Cl. 212—44.
- Hansen, Siegfried: *See*—  
Barnett, Wilford J., Hansen, and Smith. 2,723,324.
- Hansen, Siegfried, to Hughes Aircraft Co. 2,709,770, Cl. 315—24.
- Hansen, Siegfried, to Hughes Aircraft Co. 2,710,234, Cl. 308—9.
- Hansen, Siegfried, to Hughes Aircraft Co. 2,718,634, Cl. 340—347.
- Hansen, Theodore A., to Teletype Corp. Re. 24,069, Cl. 178—53.
- Hansen, Thorwald H. 2,715,609, Cl. 210—16.
- Hansen, Walter H. 2,705,150, Cl. 280—11.35.
- Hansen, Walter M. 2,698,994, Cl. 30—8.
- Hansen, Warren, to Gellman Mfg. Co. 2,723,088, Cl. 242—150.
- Hansen, William W.: *See*—  
Bloch, Felix, and Hansen. Re. 23,950.
- Hansen, William W., and T. Moreno, to Sperry Rand Corp. 2,724,800, Cl. 324—95.
- Hansen, Wray C. 2,718,417, Cl. 287—53.
- Hansgirg, Fritz J., deceased, by J. M. Hansgirg, executrix, to American Electro Metal Corp. 2,709,154, Cl. 204—39.
- Hansgirg, Josephine M.: *See*—  
Hansgirg, Fritz J. 2,709,154.
- Hansing, Melvin E.: *See*—  
Ruehl, Harold, O'Neil, and Hansing. 2,720,735.
- Hansley, Virgil L., to E. I. du Pont de Nemours and Co. 2,710,798, Cl. 75—66.
- Hanson, Alden W.: *See*—  
Donaldson, Walter E., and Hanson. 2,708,610.
- Hanson, Alden W. 2,710,651, Cl. 158—40.
- Hanson, Alfred H., to The Fairbanks Co. 2,710,106, Cl. 214—383.
- Hanson, Alfred H. 2,712,251, Cl. 81—3.45.
- Hanson, Amil A.: *See*—  
Strong, Walter J., and Hanson. 2,720,908.
- Hanson, Charles C., to Minnesota Mining & Mfg. Co. 2,720,262, Cl. 164—84.5.
- Hanson, Estyle D., to Western Electric Co., Inc. 2,704,793, Cl. 191—1.
- Hanson, Estyle D., to Western Electric Co. Inc. 2,704,794, Cl. 191—1.
- Hanson, Estyle D., to Western Electric Co., Inc. 2,711,293, Cl. 242—130.
- Hanson, Estyle D., to Western Electric Co., Inc. 2,719,012, Cl. 242—25.
- Hanson, Glen N., 20% to N. Meshbisher and 20% to H. E. Benson. 2,712,305, Cl. 123—193.
- Hanson, Harold J.: *See*—  
Schmidt, John B., and Hanson. 2,717,160.
- Hanson, Hartwig M., to The C. M. Kemp Mfg. Co. 2,716,419, Cl. 137—75.
- Hanson, Helmer C., ½ to P. H. Draper. 2,712,442, Cl. 271—2.4.
- Hanson, Henry L., Co.: *See*—  
Hjort, John. 2,727,399.
- Hanson, Henry L., to Minneapolis-Honeywell Regulator Co. 2,720,618, Cl. 318—19.
- Hanson, John A.: *See*—  
Wright, John G., Chafin, Sudan, Watkins, and Hanson. 2,698,681.
- Hanson, Lars, to Carrier Corp. 2,725,183, Cl. 230—231.
- Hanson, Louis P., and H. H. Suskin. 2,726,296, Cl. 200—84.
- Hanson, Oliver M. 2,711,555, Cl. 16—87.2.
- Hanson, Raymond A. 2,716,169, Cl. 200—61.47.
- Hanson, Ross A., and O. L. Polly, to Union Oil Co. of California. 2,721,190, Cl. 260—96.5.
- Hanson-Van Winkle-Munning Co.: *See*—  
Curtis, Thomas H. 2,709,512.
- Hauck, Paul A., and Todd. 2,710,698.
- Kardos, Otto, Menzel, and Sweet. 2,712,522.
- Todd, Guerin. 2,709,010.
- Hanson, Walter J.: *See*—  
Russell, Alva G., and Hanson. 2,707,913.
- Hanson, Walter J., and J. V. Kubovy, to Pitney-Bowes, Inc. 2,708,403, Cl. 101—110.
- Hanson, Warren A.: *See*—  
Wright, Charles, and Hanson. 2,717,839.
- Hanson, Wesley T., Jr., to Eastman Kodak Co. 2,704,711, Cl. 95—2.
- Hanson, William A.: *See*—  
Lee, Royal, and Hanson. 2,706,928.
- Hanson, William J., to The Dow Chemical Co. 2,716,072, Cl. 106—186.
- Hanss, Bruno: *See*—  
Meier-Windhorst, August, and Hanss. 2,723,438.
- Hanssen, Albert J., to Black, Sivalis & Bryson, Inc. 2,698,544, Cl. 74—18.
- Hansson, Gustav H., to Aktiebolaget Hedemora Verkstad. 2,703,526, Cl. 101—232.
- Hantz, Clyde: *See*—  
Dartez, Otto, Dubois, and Hantz. 2,705,825.
- Hanus, Edward J., to Merck & Co., Inc. 2,719,812, Cl. 167—65.
- Hanze, Arthur R.: *See*—  
Hogg, John A., Nathan, Lyttle, and Hanze. 2,701,808.
- Hapman, Hannah J.: *See*—  
Hapman, Henry W. 2,702,625.
- Hapman, Henry W. 2,722,315.
- Hapman, Henry W. 2,699,558, Cl. 5—354.
- Hapman, Henry W., 40% to H. J. Hapman. 2,702,625, Cl. 198—148.
- Hapman, Henry W., 40% to H. J. Hapman. 2,722,315, Cl. 210—154.
- Happe, Arthur H., ½ to H. A. Sperlich. 2,711,974, Cl. 117—127.
- Happe, Reynold: *See*—  
Peets, Wilbur J., Happe, and Matuzas. 2,706,956.
- Happe, Reynold, to The Singer Mfg. Co. 2,711,461, Cl. 200—157.
- Happe, Reynold, to The Singer Mfg. Co. 2,721,692, Cl. 230—15.
- Happe, Reynold, and W. O. Langille, to The Singer Mfg. Co. 2,710,949, Cl. 339—258.
- Happel, John. 2,712,476, Cl. 302—53.
- Happel, John, and C. J. Marsel. 2,719,872, Cl. 260—678.
- Happy Hang-Ups Inc.: *See*—  
Myers, Garry C., Jr. 2,710,489.
- Haraden, George A., to Minneapolis-Honeywell Regulator Co. 2,703,869, Cl. 339—45.
- Haramic, Walter A. 2,728,230, Cl. 73—390.
- Harbers, Henry C., to Cook Bros. Equipment Co. 2,713,955, Cl. 222—502.
- Harbers, Marion A.: *See*—  
Harbers, William J. 2,728,204.
- Harbers, W. J., & Co.: *See*—  
Harbers, William J. 2,728,204.
- Harbers, William J., to W. J. and M. A. Harbers, co-partners, d. b. a. as W. J. Harbers & Co. 2,728,204, Cl. 62—103.
- Harbison, Lynn, to Phillips Petroleum Co. 2,717,914, Cl. 260—763.
- Harbison, Lynn, to Phillips Petroleum Co. 2,727,014, Cl. 260—41.5.
- Harbordt, Carl G., and B. F. Buff, to National Zinc Co., Inc. 2,701,067, Cl. 214—21.
- Harcourt Knitting Co.: *See*—  
Jenard, Leonard J., and Fregeolle. 2,721,464.
- Hård af Segerstad, Carl G., to Sandvikens Jernverks Aktiebolag. 2,702,227, Cl. 346—78.
- Hård af Segerstad, Carl G., to Sandvikens Jernverks Aktiebolag. 2,708,948, Cl. 137—622.
- Hardeman, William E., H. R. Fletcher, H. Wilson, and H. V. Barlow, to Dunlop Rubber Co. Ltd., and Handley Page Ltd. 2,722,389, Cl. 244—100.
- Harden, Carl, to Brown Citrus Machinery Corp. 2,705,984, Cl. 146—3.
- Harden, Ralph S. 2,726,007, Cl. 220—52.
- Hardenbergh, George A.: *See*—  
Burrell, Warren P., Cohen, and Hardenbergh. 2,718,356.
- Harder, Edwin L., to Westinghouse Electric Corp. 2,701,860, Cl. 324—141.
- Harder, William F. 2,720,877, Cl. 126—348.



- Hardesty, George K. C. 2,703,547, Cl. 116—129.  
 Hardesty, Robert A., and G. W. Kessler, to General Electric Co. 2,721,701, Cl. 235—92.  
 Hardgrave, Earl L. 2,718,081, Cl. 42—69.  
 Hardgrove, Ralph M., to The Babcock & Wilcox Co. 2,705,476, Cl. 122—6.  
 Hardgrove, Ralph M., to The Babcock & Wilcox Co. 2,713,853, Cl. 122—238.  
 Hardie, Fred H., and R. C. Goodman, to Sperry Products, Inc. 2,707,755, Cl. 310—82.  
 Hardie, Harry: *See*—  
   Scheitlin, Alexander. 2,721,331.  
 Hardie, Waldo R., to Cutter Laboratories. 2,721,825, Cl. 167—50.  
 Hardigg, George W., to Westinghouse Electric Corp. 2,724,544, Cl. 230—132.  
 Hardin, Carl V. 2,719,999, Cl. 15—210.  
 Hardin, E. L., Associates, Inc.: *See*—  
   Canfield, William E. 2,707,422.  
 Hardin, Frederick L.: *See*—  
   Donato, Joseph J., and Hardin. 2,709,440.  
 Hardin, H. H. & N. A., Co.: *See*—  
   Brandon, Clarence W., Marlow, and Steele. 2,725,027.  
 Hardin, N. A.: *See*—  
   Brandon, Clarence W. 2,716,958.  
   Brandon, Clarence W. 2,720,082.  
   Brandon, Clarence W. 2,720,181.  
   Brandon, Clarence W. 2,720,182.  
   Brandon, Clarence W. 2,724,357.  
 Hardin, Roy I., to Fansteel Metallurgical Corp. 2,698,892, Cl. 219—10.  
 Hardin, Roy I., to Fansteel Metallurgical Corp. 2,727,124, Cl. 219—10.  
 Harding, Harry J.: *See*—  
   Harding, John H. 2,714,400.  
 Harding, Hiram R., 50% to H. E. Karr and 25% to L. C. Harding. 2,704,676, Cl. 285—55.  
 Harding, John B.: *See*—  
   Taylor, Arthur W. C., and Harding. 2,723,998.  
 Harding, John B., and C. A. C. Petrie, to Imperial Chemical Industries Ltd. 2,711,429, Cl. 260—604.  
 Harding, John H., generally known as Harry J. Harding, to C. H. Masland & Sons. 2,714,400, Cl. 139—39.  
 Harding, John K., to Dowty Equipment Ltd. 2,703,961, Cl. 60—39.28.  
 Harding, Logan C.: *See*—  
   Harding, Hiram R. 2,704,676.  
 Harding Mfg. Co.: *See*—  
   Borushko, Michael J. 2,728,686.  
 Hardinge Co., Inc.: *See*—  
   Hardinge, Harlowe. 2,724,506.  
   Russell, Robert J. 2,711,557.  
 Hardinge, Harlowe. 2,718,966, Cl. 209—173.  
 Hardinge, Harlowe, to Hardinge Co., Inc. 2,724,506, Cl. 210—55.  
 Hardman, Harley F., to The Standard Oil Co. 2,721,146, Cl. 117—92.  
 Hardman, Harley F., and E. C. Hughes, to The Standard Oil Co. 2,699,997, Cl. 106—38.7.  
 Hardman, Rena B.: *See*—  
   Moss, Frank J. 2,712,161.  
 Hards, Ernest W.: *See*—  
   Chase, Philip C., and Hards. 2,699,911.  
 Hardway, Edward V., Jr., to The Beta Corp. 2,707,393, Cl. 73—205.  
 Hardwick, Pierre M. 2,707,116, Cl. 285—72.  
 Hardy, Allen W.: *See*—  
   Esselman, Richard B., and Hardy. 2,703,519.  
 Hardy, Douglas V. N., and D. G. Grant, to The Imperial Trust for the Encouragement of Scientific and Industrial Research. 2,705,186, Cl. 23—93.  
 Hardy, Elizabeth M.: *See*—  
   Lecher, Hans Z., and Hardy. 2,706,200.  
   Lecher, Hans Z., and Hardy. 2,712,547.  
 Hardy, Gordon W. 2,707,941, Cl. 121—164.  
 Hardy, Henry G.: *See*—  
   Blum, Hosmer L. 2,717,478.  
 Hardy, James A., to Schwitzer-Cummins Co. 2,716,946, Cl. 103—37.  
 Hardy, Peter S. 2,700,912, Cl. 82—28.  
 Hardy, William B.: *See*—  
   Westlake, Harry E., Jr., and Hardy. 2,716,654.  
   Westlake, Harry E., Jr., and Hardy. 2,717,255.  
 Hardy, William B., and H. E. Westlake, Jr., to American Cyanamid Co. 2,712,017, Cl. 260—264.  
 Hardy, William B., and H. E. Westlake, Jr., to American Cyanamid Co. 2,716,653, Cl. 260—371.  
 Hare, Donald G. C., to the United States of America as represented by the Secretary of the Navy. 2,709,783, Cl. 324—43.  
 Hare, George H., and E. W. Molloy, to Beckman Instruments, Inc. 2,724,798, Cl. 324—61.  
 Hare, Jack L. and K. E. 2,706,237, Cl. 219—19.  
 Hare, Kathryn E.: *See*—  
   Hare, Jack L. and K. E. 2,706,237.  
 Hare, Terence G., to Miller Mfg. Co. 2,710,164, Cl. 251—278.  
 Hare, Weston A.: *See*—  
   Green, Duane L., and Hare. 2,699,433.  
 Hargett, George W. 2,707,349, Cl. 43—56.  
 Hargreaves, Harry. 2,728,360, Cl. 139—159.  
 Hargrove, Robert E., and A. Leviton, to the United States of America as represented by the Secretary of Agriculture. 2,715,602, Cl. 195—96.  
 Hariu, Helmi. 2,718,584, Cl. 219—46.  
 Hariu, Helmi. 2,718,585, Cl. 219—46.  
 Harkenrider, Robert J., to Gladys D. Miller. 2,708,611, Cl. 308—243.  
 Harker, Charles B., to Bartelt Engineering Co. 2,716,795, Cl. 24—255.  
 Harker Pottery Co.: *See*—  
   Bower, James A. 2,719,623.  
 Harker Pottery Co., The: *See*—  
   Pinney, John M. 2,702,435.  
 Harker, Charles B., to Bartelt Engineering Co. 2,707,360, Cl. 53—62.  
 Harkess, William L., to Package Machinery Co. 2,698,559, Cl. 93—53.  
 Harkless, Earl T., to Bell Telephone Laboratories, Inc. 2,718,622, Cl. 333—28.  
 Harkness, Andrew W. 2,724,121, Cl. 4—52.  
 Harkness, George K.: *See*—  
   Harkness, John M. and G. K. 2,709,291.  
 Harkness, John M. and G. K. 2,709,291, Cl. 25—131.  
 Harkness, Joseph R., to Briggs & Stratton Corp. 2,717,589, Cl. 123—169.  
 Harkness, Joseph R., to Briggs & Stratton Corp. 2,717,916, Cl. 123—148.  
 Harlan, Harold R. 2,712,235, Cl. 73—150.  
 Harland, Philip W., to American Machine and Metals, Inc. 2,698,633, Cl. 137—795.  
 Harland, Philip W., to American Machine and Metals, Inc. 2,699,542, Cl. 340—378.  
 Harland, Philip W., to American Machine and Metals, Inc. 2,706,396, Cl. 73—1.  
 Harle, Oliver L., to California Research Corp. 2,718,501, Cl. 252—47.  
 Harle, Oliver L., to California Research Corp. 2,721,177, Cl. 252—47.5.  
 Harle, Oliver L., to California Research Corp. 2,721,178, Cl. 252—47.5.  
 Harless, Charles A., to R. Hoe & Co., Inc. 2,699,116, Cl. 101—348.  
 Harless, Charles A., to R. Hoe & Co., Inc. 2,708,875, Cl. 101—378.  
 Harless, Charles A., E. W. Worthington, and A. R. Hegeman, to R. Hoe & Co., Inc. 2,727,739, Cl. 270—32.  
 Harless, Charles A., E. W. Worthington, and A. T. Zurick, to R. Hoe & Co., Inc. 2,728,292, Cl. 101—363.  
 Harless, William H. 2,700,426, Cl. 180—1.  
 Harley, Frank B. 2,722,449, Cl. 294—83.  
 Harley, Fulton L., Sr., to The Springs Cotton Mills. 2,718,670, Cl. 19—140.  
 Harling, Donald W.: *See*—  
   Giese, Lawrence F., and Harling. 2,721,719.  
   Smythe, Robert L., and Harling. 2,727,984.  
 Harling, Donald W., to McGraw Electric Co. 2,702,850, Cl. 240—106.  
 Harman and Collins, Inc.: *See*—  
   Collins, Clifford H., and Pommer. 2,718,564.  
 Harman, Denham: *See*—  
   Stiles, Alan R., and Harman. 2,711,403.  
   Stiles, Alan R., Harman, and Rust. 2,724,718.  
 Harman, Denham, and R. E. Thorpe, to Shell Development Co. Re. 23,979, Cl. 252—49.9.  
 Harman, Denham, R. C. Morris, F. J. Watson, and H. Diamond, to Shell Development Co. 2,725,359, Cl. 252—49.8.  
 Harman, Emil I., to Philco Corp. 2,711,711, Cl. 116—124.4.  
 Harman, Hal W. 2,711,012, Cl. 29—402.  
 Harman, Henry M., to The Budd Co. 2,713,738, Cl. 40—64.  
 Harman, Marion W., to Monsanto Chemical Co. 2,723,989, Cl. 260—455.  
 Harman, Marion W., to Monsanto Chemical Co. 2,725,382, Cl. 260—306.  
 Harmantas, Christos, and D. A. Mathews, to the United States of America as represented by the Secretary of Commerce. 2,710,324, Cl. 201—63.  
 Harmon, Carlyle: *See*—  
   Brickman, Leo, Harmon, and Litchfield. 2,711,168.  
 Harmon, Carlyle, to Chicopee Mfg. Corp. 2,702,257, Cl. 117—138.8.  
 Harmon and Co.: *See*—  
   Tour, Sam. 2,723,927.  
 Harmon, Frank H.: *See*—  
   Horvath, Alexander M. 2,710,224.  
 Harmon, Luther R., ½ to F. J. Burt. 2,700,083, Cl. 200—113.  
 Harms, Lawrence W.: *See*—  
   Thorp, Kenneth E., and Harms. 2,728,641.  
 Harms, William J., to Ford Motor Co. 2,712,149, Cl. 16—85.  
 Harmsen, Arnold C.: *See*—  
   Brockardt, Frank G., Jr., Koch, and Harmsen. 2,723,606.  
 Harnack, John F. 2,723,470, Cl. 37—43.  
 Harnett, A. De Vere, to Devere Co. 2,699,533, Cl. 339—150.  
 Harnett, A. De Vere. 2,701,436, Cl. 56—25.4.  
 Harnev, William C.: *See*—  
   Mottorn, Henry O., and Harney. 2,711,388.  
 Harnischfeger Corp.: *See*—  
   Jacobs, Henry S. 2,725,511.  
   Landis, Robert. 2,718,602.  
   Wittberger, Frank H. 2,710,738.  
 Harnwell, Gaylord P., to the United States of America as represented by the Secretary of the Navy. 2,703,677, Cl. 235—61.  
 Harold, Robert E., to Electro-Hydraulics Ltd. 2,702,024, Cl. 121—40.  
 Harp, Sidney H. 2,712,939, Cl. 273—186.  
 Harpel, Gates: *See*—  
   Harpel, Margaret S. 2,725,054.



- Harpel, Margaret S., deceased; G. Harpel, executor. 2,725,054, Cl. 128—163.
- Harpell, Walter, and W. N. Gray. 2,712,839, Cl. 144—92.
- Harper, Clair L.: *See—*  
Super, Ralph K., and Harper. 2,711,801.
- Harper, Edward F. 2,703,600, Cl. 155—114.
- Harper, Fred C., to Keys Fibre Co. 2,698,557, Cl. 92—54.
- Harper, James I., and M. W. Luther, to Sun Oil Co. 2,706,167, Cl. 196—35.
- Harper, James W., and C. A. Duval, to Socony Mobil Oil Co., Inc. 2,719,109, Cl. 196—32.
- Harper, Philip S., and H. H. Nadasdy, to Harper-Wyman Co. 2,716,565, Cl. 287—53.
- Harper, Ralph M., to the United States of America as represented by the Secretary of the Navy. 2,721,322, Cl. 2—12.
- Harper, Roy M. 2,716,260, Cl. 20—1.
- Harper, Samuel D.: *See—*  
Flowers, Thomas H., Harper, and Harris. 2,727,094.
- Harper, Solomon. 2,711,095, Cl. 69—23.
- Harper, Wesley A., to Cockshutt Farm Equipment Ltd. 2,711,903, Cl. 275—9.
- Harper-Wyman Co.: *See—*  
Harper, Philip S., and Nadasdy. 2,716,565.
- Lamar, Charles C. 2,707,971.
- Harpul, John: *See—*  
Heisterkamp, Charles A., Menhennett, Dann, and Harpul. 2,698,478.
- Harr, Phil I., to Fairchild Engine and Airplane Corp. 2,712,814, Cl. 123—102.
- Harr, Phil I., to Fairchild Engine and Airplane Corp. 2,724,185, Cl. 33—143.
- Harr, Russel E., to Western Electric Co., Inc. 2,710,832, Cl. 204—48.
- Harrel, Chastain G., and H. W. Lincoln, to Pillsbury Mills Inc. 2,715,580, Cl. 99—94.
- Harrell, Russell L., to Wendon Office Equipment Mfg. Co., Inc. 2,713,528, Cl. 311—2.
- Harries, Harry G. 2,727,695, Cl. 241—56.
- Harrigan, Wayne C.: *See—*  
Gould, Otis O. 2,715,542.
- Harrington, Bertie S., to Armour and Co. 2,709,538, Cl. 222—108.
- Harrington, Ferris T., W. K. Allen, and D. B. Gardiner, to Vickers Inc. 2,720,171, Cl. 103—4.
- Harrington, Frank A., to Marco Industries Co. 2,724,822, Cl. 340—252.
- Harrington, Frank A., and C. W. Noyes, to Marco Industries Co. 2,703,398, Cl. 340—381.
- Harrington, Frank A., and T. W. Jentges, to Marco Industries Co. 2,718,636, Cl. 340—381.
- Harrington, George H., to Hersey Mfg. Co. 2,706,488, Cl. 137—116.
- Harrington, Gerald D.: *See—*  
Shakespeare, Henry G., and Harrington. 2,724,563.
- Harrington, James F. 2,712,650, Cl. 2—119.
- Harrington, John A., to Continental Machines, Inc. 2,722,792, Cl. 51—267.
- Harrington, Richard P.: *See—*  
Harrington, Russell J., and R. P. 2,700,535.
- Harrington, Robert C., Jr., to Eastman Kodak Co. 2,723,247, Cl. 260—30.4.
- Harrington, Russell J., and R. P. 2,700,535, Cl. 259—151.
- Harrington, Winfred O.: *See—*  
Griffiths, Francis P., Kilpatrick, Harrington, Hendel, and Olson. 2,705,679.
- McCready, Rolland M., Olson, and Harrington. 2,707,684.
- Harris, Albert P., and H. D. Kroll. 2,721,408, Cl. 40—2.
- Harris, Arvel R., to International Harvester Co. 2,702,993, Cl. 62—115.
- Harris, Benjamin F. 2,706,613, Cl. 254—29.
- Harris, Carl. 2,719,309, Cl. 5—296.
- Harris, Carl H., to H. B. Sherman Mfg. Co. 2,713,279, Cl. 81—15.
- Harris, Charles E. 2,723,674, Cl. 135—4.
- Harris, Charles R., to Pneumafil Corp. 2,704,430, Cl. 57—81.
- Harris, Columbus W.: *See—*  
Egley, William D., and Harris. 2,716,573.
- Egley, William D., and Harris. 2,726,119.
- Harris, D. P., Hardware & Mfg. Co., Inc.: *See—*  
Lyman, Wendell G. 2,702,725.
- Harris, Dale C., F. N. Wiest, E. C. Rosegart, and L. A. Crew. 2,705,751, Cl. 240—60.
- Harris, Dee. 2,705,316, Cl. 340—280.
- Harris, E. W.: *See—*  
Harris, Richard A., and Carr. 2,720,003.
- Harris, Edgar L., to Chain Belt Co. 2,704,943, Cl. 74—246.
- Harris, Edward H., Jr.: *See—*  
Filachione, Edward M., Fein, and Harris. 2,710,880.
- Harris, Edward P., to General Motors Corp. 2,716,787, Cl. 20—69.
- Harris, Edward P., to General Motors Corp. 2,719,331, Cl. 19—59.
- Harris, Edward P., to General Motors Corp. 2,719,343, Cl. 20—69.
- Harris, Edward P., to General Motors Corp. 2,720,685, Cl. 20—69.
- Harris, Edward P., and F. W. Sampson, to General Motors Corp. 2,707,490, Cl. 138—56.
- Harris, Edward P., and F. W. Sampson, to General Motors Corp. 2,707,491, Cl. 138—56.
- Harris, Edward P., and F. W. Sampson, to General Motors Corp. 2,707,492, Cl. 138—56.
- Harris, Estelle F. 2,717,036, Cl. 160—354.
- Harris, Ford W., to Wulff Process Co. 2,706,210, Cl. 260—679.
- Harris, Ford W., to Wulff Process Co. 2,718,534, Cl. 260—679.
- Harris, Ford W., to Wulff Process Co. 2,721,888, Cl. 260—679.
- Harris, Forrest W. 2,723,412, Cl. 15—210.
- Harris, Francis D. 2,714,933, Cl. 180—9.1.
- Harris, Frederic R., Inc.: *See—*  
Engstrand, Gunnar C. 2,728,319.
- Quirin, Edward J. 2,705,933.
- Harris, Geoffrey T., and H. C. Child, to William Jessop & Sons Ltd. 2,713,537, Cl. 75—171.
- Harris, Geoffrey T., and H. C. Child, to William Jessop & Sons Ltd. 2,713,538, Cl. 75—171.
- Harris, George N.: *See—*  
Willcox, Thomas N., Borchert, and Harris. 2,710,988.
- Harris, George R.,  $\frac{1}{2}$  to Z. Faber and  $\frac{1}{2}$  to N. Korda. 2,707,940, Cl. 121—150.
- Harris, George R. 2,714,480, Cl. 224—42.1.
- Harris, George T. 2,701,724, Cl. 279—71.
- Harris, Herbert, Jr., to The Sperry Corp. 2,705,792, Cl. 343—7.4.
- Harris, Howard B., and A. B. Henley. 2,723,679, Cl. 137—533.13.
- Harris, James O.: *See—*  
Beaver, David J., Downey, and Harris. 2,713,047.
- Harris, James O., to Monsanto Chemical Co. 2,718,517, Cl. 260—88.3.
- Harris, James R., to Bell Telephone Laboratories, Inc. 2,718,613, Cl. 317—157.
- Harris, James R., to Bell Telephone Laboratories, Inc. 2,724,780, Cl. 307—88.5.
- Harris, James S.: *See—*  
Walker, William E., and Harris. 2,713,085.
- Harris, James S., to Radio Corp. of America. 2,716,156, Cl. 178—26.
- Harris, James S., to Radio Corp. of America. 2,724,739, Cl. 178—26.
- Harris, Jane S. 2,720,661, Cl. 5—343.
- Harris, John E., Jr., R. N. Smith, and H. G. McCann, to Allied Chemical & Dye Corp. 2,716,594, Cl. 23—174.
- Harris, John F., Jr., to E. I. du Pont de Nemours and Co. 2,719,170, Cl. 260—481.
- Harris, John L. 2,723,320, Cl. 200—39.
- Harris, John L., and W. R. Miller. 2,717,455, Cl. 34—45.
- Harris, John S., to Monsanto Chemical Co. 2,702,299, Cl. 260—461.
- Harris, Lawrence, to Ketay Instrument Corp. 2,710,396, Cl. 340—345.
- Harris, Lawrence, to Norden-Ketay Corp. 2,716,734, Cl. 333—77.
- Harris, Lee M., to General Mills, Inc. 2,718,572, Cl. 200—138.
- Harris, Leonard B. and W. B. 2,724,358, Cl. 114—79.
- Harris, Lionel R. F.: *See—*  
Flowers, Thomas H., Harper, and Harris. 2,727,094.
- Harris, Miles R. 2,719,297, Cl. 1—49.7.
- Harris, Murray D. 2,727,324, Cl. 40—130.
- Harris, Otto C. 2,707,580, Cl. 222—83.5.
- Harris Preble Fire Doors, Inc.: *See—*  
Jecmen, James M. 2,726,460.
- Harris, Raymond C.: *See—*  
Straley, James M., and Harris. 2,716,124.
- Harris, Richard A., to The Forgrove Machinery Co. Ltd. 2,712,800, Cl. 107—21.
- Harris, Richard A., and R. E. Carr; said R. A. Harris assor. of 10% to said R. E. Carr, and 20% to E. W. Harris. 2,720,003, Cl. 18—42.
- Harris, Richard C. P., to The Cornwall & Patterson Co. 2,715,926, Cl. 145—66.
- Harris, Robert A.: *See—*  
Watson, Edmund A., Evans, and Harris. 2,708,943.
- Harris, Robert L., and M. Lothrop, to Yuba Mfg. Co. 2,699,954, Cl. 280—95.
- Harris, Samuel A., and C. A. Sinquefield, to Briggs-Shaffner Co. 2,704,642, Cl. 242—124.
- Harris-Seybold Co.: *See—*  
Harrold, Charles W. 2,707,914.
- Haywood, Russell I. 2,709,509.
- Hooven, Frederick J. 2,714,843.
- Wood, James R. 2,717,154.
- Harris & Stevenson Engineering & Development Co., Inc.: *See—*  
Harris, Thomas. 2,718,444.
- Harris, Thomas. 2,707,002, Cl. 138—31.
- Harris, Thomas, to Harris & Stevenson Engineering & Development Co., Inc. 2,718,444, Cl. 309—23.
- Harris, Thomas A., to Joseph Lucas (Industries) Ltd. 2,707,021, Cl. 158—36.3.
- Harris, Thomas A., to Joseph Lucas (Industries) Ltd. 2,725,040, Cl. 121—38.
- Harris, Thomas A., to Joseph Lucas (Industries) Ltd. 2,727,525, Cl. 137—83.
- Harris, Thomas J. 2,709,384, Cl. 81—41.
- Harris Transducer Corp.: *See—*  
Harris, Wilbur T. 2,708,742.
- Harris, Wilbur T. 2,713,127.
- Harris, Wilbur T. 2,725,548.
- Harris, Walter B.: *See—*  
Harris, Leonard B. and W. B. 2,724,358.
- Harris, Wilbur E., to United States Rubber Co. 2,712,847, Cl. 154—14.
- Harris, Wilbur E., to United States Rubber Co. 2,724,423, Cl. 154—1.



- Harris, Wilbur T., to The Harris Transducer Corp. 2,708,742, Cl. 340—7.  
Harris, Wilbur T., to The Harris Transducer Corp. 2,713,127 Cl. 310—15.  
Harris, Wilbur T., to The Harris Transducer Corp. 2,725,548, Cl. 340—17.  
Harrison, Albert, Jr.: *See*—  
Harrison, Albert, Sr., and A. Harrison, Jr. 2,716,402.  
Harrison, Albert, Sr., and A. Harrison, Jr. 2,716,402, Cl. 125—13.  
Harrison, Bertram M., to Raytheon Mfg. Co. 2,724,099, Cl. 340—3.  
Harrison, Charles C., B. B. Mead, G. D. Rechton, and O. A. Wheelon, to Douglas Aircraft Co., Inc. 2,702,577, Cl. 153—21.  
Harrison, Davie A.: *See*—  
Christie, Cleve F. 2,709,980.  
Harrison, Francis B.: *See*—  
Reynolds, George T., Salvini, and Harrison. 2,698,906.  
Harrison, Francis W. 2,718,625, Cl. 339—198.  
Harrison, George, to National Lead Co. 2,698,571, Cl. 100—295.  
Harrison, George T. 2,715,278, Cl. 33—112.  
Harrison, Henry M.: *See*—  
Payne, Edwin M., and Harrison. 2,698,882.  
Payne, Edwin M., and Harrison. 2,701,141.  
Harrison, Homer S., to Allied Steel and Conveyors, Inc. 2,701,048, Cl. 198—53.  
Harrison, Homer S., to Allied Steel and Conveyors, Inc. 2,702,149, Cl. 226—20,6.  
Harrison, James M., and A. E. Somers, to Gulf Research & Development Co. 2,702,783, Cl. 202—42.  
Harrison, James M., and A. E. Somers, to Gulf Research & Development Co. 2,704,271, Cl. 202—39,5.  
Harrison, James M., and A. E. Somers, to Gulf Research & Development Co. 2,704,272, Cl. 202—42.  
Harrison, James W., to Oxy-Catalyst, Inc. 2,715,671, Cl. 219—38.  
Harrison, John B., to Rotary Lift Co. 2,713,922, Cl. 187—8,75.  
Harrison, John R., to E. I. du Pont de Nemours and Co. 2,728,695, Cl. 148—6,14.  
Harrison, John W., to Westinghouse Electric Corp. 2,714,644, Cl. 200—138.  
Harrison, John W., to Westinghouse Electric Corp. 2,719,895, Cl. 200—138.  
Harrison, Joseph, Jr.: *See*—  
Gilbert, Frank U. S., and Harrison. 2,705,584.  
Gilbert, Frank U. S., Harrison, and Kruse. 2,713,959.  
Harrison, Joseph, Jr., and F. U. S. Gilbert, to Cleveland Cleaner & Paste Co. 2,699,246, Cl. 198—30.  
Harrison, Marvin E.: *See*—  
Bourns, Marlan E., Harrison, Goeppinger, Whitehorn, and Hedges. 2,706,230.  
Harrison, Stuart A., and W. E. Brown, to The B. F. Goodrich Co. 2,711,400, Cl. 260—45,5.  
Harrison, Taylor, 1/2 to J. Danciger. 2,720,157, Cl. 99—353.  
Harrison, Wallace K., M. Abramovitz, and O. F. Wiggins. 2,702,104, Cl. 189—85.  
Harrison, William A. 2,728,433, Cl. 193—38.  
Harrold, Charles W., to Harris-Seybold Co. 2,707,914, Cl. 101—183.  
Harrup, Laurence D.: *See*—  
Gilchrist, Allan E., Harrup, Hendrickson, and Rehor. 2,722,523.  
Harry, Gordon W., and W. E. Barnes, to General Motors Corp. 2,713,830, Cl. 103—207.  
Harry, William R.: *See*—  
Van Ryan, Anthony, and Harry. 2,721,969.  
Harsch, Paul P., to Langenau Mfg. Co. 2,704,219, Cl. 292—128.  
Harse, Douglas H., to General Electric Co. 2,702,888, Cl. 336—198.  
Harshaw Chemical Co.: *See*—  
Benjamin, Harry. 2,716,292.  
Benjamin, Harry. 2,720,311.  
Du Rose, Arthur H. 2,721,836.  
Karash, Walter P. 2,711,010.  
Karash, Walter P. 2,714,088.  
Harshbarger, Walter J. 2,720,554, Cl. 178—7,2.  
Harshberger, Norman P. 2,722,868, Cl. 92—38.  
Harstick, William H.: *See*—  
Hein, Harold W., and Harstick. 2,725,190.  
Orelind, John R., and Harstick. 2,705,970.  
Harstick, William H., to International Harvester Co. 2,700,392, Cl. 137—56.  
Harstick, William H., to International Harvester Co. 2,711,288, Cl. 233—19.  
Harstick, William H., and H. W. Hein, to International Harvester Co. 2,725,189, Cl. 233—29.  
Hart-Carter Co.: *See*—  
Bosma, Alfred S. 2,705,002.  
Bruns, Harold E. 2,705,056.  
Hart, Charles C. 2,716,808, Cl. 30—16.  
Hart, David, H. J. Eppig, and W. J. Powers. 2,700,603, Cl. 52—24.  
Hart, George H., to The Hart Mfg. Co. 2,720,634, Cl. 339—95.  
Hart, George T.: *See*—  
Bradley, Robert W., and Hart. 2,727,560.  
Hart, George T., deceased, by M. H. Hart, administratrix, to United Shoe Machinery Corp. 2,728,839, Cl. 219—10,53.  
Hart, Guy C. 2,720,414, Cl. 296—12.  
Hart, James R. 2,698,634, Cl. 139—38.  
Hart, John T., Jr.: *See*—  
Brueggeman, William C., and Hart. 2,703,490.  
Hubbard, Robert M., and Hart. 2,725,745.  
Hart, Kenneth V. 2,701,290, Cl. 219—4.  
Hart, Lester C., to Hi-Voltage Equipment Co. 2,718,874, Cl. 121—38.  
Hart, Mabel H.: *See*—  
Bradley, Robert W., and Hart. 2,727,560.  
Hart, George T. 2,728,839.  
Hart Mfg. Co.: *See*—  
Gibilisco, Joseph S. 2,713,668.  
Hart, George H. 2,720,634.  
Hart, Raymond S. 2,713,662, Cl. 324—65.  
Hart, Robert W. 2,713,118, Cl. 250—20.  
Hart, Stephen H., to Lord & Burnham, Division of Burnham Corp. 2,711,138, Cl. 108—16.  
Harten, Hans-Ulrich: *See*—  
Koch, Werner, and Harten. 2,703,855.  
Harter, Earl F., to Miehle Printing Press & Mfg. Co. 2,724,066, Cl. 310—239.  
Harter, Isaac, Jr.: *See*—  
Evans, Sidley O., and Harter. 2,709,284.  
Jones, Maurice F., Harter, and Ratcliffe. 2,711,436.  
Harter, Paul A., to Warner Electric Brake & Clutch Co. 2,703,378, Cl. 317—165.  
Harter, Paul A., to Warner Electric Brake & Clutch Co. 2,705,058, Cl. 188—164.  
Harter, Raymond N. 2,717,684, Cl. 197—2.  
Harter, Robert L., to Trabon Engineering Corp. 2,718,281, Cl. 184—7.  
Hartford National Bank and Trust Co.: *See*—  
Albricht, Wilhelm. 2,699,494.  
Alink, Roelof J. H., Jaspers, and van Rijssel. 2,704,262.  
Beers, Gerardus M. P. A. 2,721,314.  
Beynink, Willem. 2,714,194.  
Blok, Lourens, and Van Iperen. 2,714,648.  
Boekhorst, Antonius. 2,714,159.  
Boelens, Willem W. 2,698,899.  
Boelens, Willem W. 2,714,157.  
Bolsius, Johannes C. C., and ter Stege. 2,728,412.  
Bongers, Wilhelmus J. 2,726,686.  
Bourgonjon, Louis R. 2,698,876.  
Brandt, Adrianus. 2,699,610.  
Brouwer, Pieter H. J. 2,700,098.  
Bruijning, Hugo G. 2,727,174.  
Bruining, Hajo, and Lemmens. 2,713,129.  
Buchner, Robert B. 2,709,203.  
Bussing, Wilhelmus A. G. 2,699,532.  
Cayzac, Jacques. 2,714,191.  
Cluwen, Johannes M., Rademakers, Rathenau, and Smit. 2,722,617.  
Combee, Bart, and Houtman. 2,715,194.  
Dammers, Bernhardus G. 2,712,597.  
Dammers, Bernhardus G. 2,719,221.  
Dammers, Bernhardus G., and Uitjens. 2,698,897.  
Dammers, Bernhardus G., and Uitjens. 2,710,353.  
Dammers, Bernhardus G., and Uitjens. 2,725,468.  
De Gier, Johannes. 2,727,171.  
De Gier, Johannes, and Hagenberg. 2,722,085.  
Diemer, Gesinus. 2,699,517.  
Diemer, Gesinus, Lemmens, and Bongers. 2,699,516.  
Diemer, Gesinus, and Van Bree. 2,716,199.  
Dorgelo, Eduard G. 2,721,290.  
Emmens, Hendrik. 2,726,167.  
Francken, Jan C. 2,727,182.  
Hellings, Simon J. 2,725,557.  
Hermes, Willem. 2,719,191.  
Hugenholtz, Eduard H. 2,698,904.  
Hugenholtz, Eduard H. 2,719,231.  
Hugenholtz, Eduard H. 2,725,476.  
Jansen, Pieter C. 2,706,930.  
Janssen, Gerardus H., and van der Linden. 2,727,830.  
Janssen, Peter J. H. 2,710,363.  
Jones, Emlyn. 2,714,177.  
Jones, Eric E., and Vervest. 2,707,041.  
Kleis, Derk, Westmijze, and Fuchs. 2,700,073.  
Klöppling, Carel P. 2,699,981.  
Koopmans, Adriaan. 2,707,096.  
Kotte, Jan J. 2,699,937.  
Krienen, Frank. 2,719,237.  
Kröger, Ferdinand A., and Hoogenstraaten. 2,714,581.  
Kronouer, Johan G., and van der Windt. 2,699,692.  
Lahaye, Eugène L. 2,704,396.  
Lambeek, Adriaan J. J. 2,709,334.  
Laser, Jakob. 2,710,356.  
Latimer, Kenneth E. 2,699,530.  
Lipphaus, Arthur, Semmler, and Verse. 2,699,367.  
Lubben, Gerrit J., and Plak. 2,710,379.  
Lulofs, Warner. 2,719,186.  
Mans, Leonardus F. H. 2,721,158.  
Martens, Gunter. 2,698,622.  
Martin, Hermann. 2,723,549.  
Moerkens, Jozef C. 2,712,617.  
Moleman, Pieter F. 2,728,834.  
Nemet, Anthony A., and Berindei. 2,717,315.  
Penning, Frans M., Jurriaanse, and Moubis. 2,701,849.  
Peters, Alfons. 2,699,843.  
Posthumus, Klaas. 2,721,295.  
Rinia, Herre. 2,698,896.  
Rinia, Herre, and van Urk. 2,727,192.  
Rodenhuis, Klaas. 2,716,204.  
Roovers, Wilhelmus A. 2,714,785.  
Schenau, Bernardus W. V. I. 2,722,621.  
Schenkel, Geert. 2,720,934.



- Hartford National Bank and Trust Co.: *See*—Continued.  
 Schreur, Jan, and van Wageningen. 2,714,158.  
 Six, Willem, and Domburg. 2,714,162.  
 Six, Willem, Domburg, and Van Lottum. 2,719,250.  
 Smelt, Jozefus A. M. 2,699,510.  
 Smits, Hubertus J. 2,712,942.  
 Speekman, Bernardus W. 2,709,666.  
 Steuck, Willi E. 2,721,156.  
 Ter Stege, Willem C., and Meindersma. 2,699,969.  
 Teves, Marten C., Tol, and van der Linden. 2,698,912.  
 Unk, Jacob M. 2,699,468.  
 Unk, Jacob M. 2,721,301.  
 Unk, Jacob M., Scheffer, and Greve. 2,714,631.  
 Van de Lindt, Willem J. 2,728,050.  
 Van de Polder, Leendert J. 2,711,570.  
 Van De Wiel, Alfred. 2,721,299.  
 Van der Ziel, Aldert, and Knol. 2,719,223.  
 Van Dijkum, Adelbertus H. J. N. 2,710,350.  
 Van Dijkum, Adelbertus H. J. N., and van Abbe. 2,725,469.  
 Van Gelder, Gozewijn, Vervest, and Stap. 2,704,589.  
 Van Laar, Jan A. W. 2,717,203.  
 Van Overbeek, Adrianus J. W. M. 2,719,220.  
 Van Overbeek, Adrianus J. W. M. 2,728,026.  
 Van Steenis, Otto L. 2,699,014.  
 Van Urk, Arend T., and Cluwen. 2,724,075.  
 Van Urk, Arend T., and Rademakers. 2,698,917.  
 Van Weel, Adelbert. 2,719,915.  
 Van Weynsbergen, Charles L., and Hartwig. 2,725,489.  
 Visch, Henri M. 2,722,663.  
 Visser, Simon H. R. 2,721,838.  
 Warmoltz, Nicolaas, and Rathenau. 2,714,680.  
 Willgoos, Andrew V. D. 2,711,631.  
 Zalm, Pieter, and van den Boomgaard. 2,717,244.  
 Zieler, Erich. 2,699,506.
- Hartford Special Machinery Co., The: *See*—  
 Johnson, Clarence. 2,715,389.  
 Pettigrew, David D., and Shepard. 2,716,395.  
 Storrs, William H., and Wells. 2,712,987.
- Hartland, Derek, to Union Carbide and Carbon Corp. 2,702,408, Cl. 18—12.
- Hartley, Augustus J. 2,713,905, Cl. 164—119.  
 Hartley, Cyril J. 2,705,425, Cl. 73—421.  
 Hartley, Henry J., to Pacific Foundry Co., Ltd. 2,710,585, Cl. 110—8.  
 Hartley, Nelson, to Haylco Controls Corp. 2,709,843, Cl. 22—89.  
 Hartman, Albert E. 2,719,504, Cl. 116—47.  
 Hartman, Charles T. 2,709,604, Cl. 280—406.  
 Hartman, Chester A.: *See*—  
 Reece, Herbert A., and Hartman. 2,709,009.  
 Hartman, Dag, and E. Bratt, to Svenska Aeroplan Aktiebolaget. 2,715,335, Cl. 73—178.  
 Hartman, Hans, to Aktiengesellschaft Brown, Boveri & Cie. 2,719,275, Cl. 336—105.  
 Hartman, Herbert G., F. E. McMullen, and L. C. Patchin, to The Gleason Works. 2,706,420, Cl. 76—101.  
 Hartman, Herbert L., to The General Industries Co. 2,700,309, Cl. 74—199.  
 Hartman, Melville E.: *See*—  
 Britten, Harold H., and Hartman. 2,700,748.  
 Hartman, Oren. 2,705,557, Cl. 206—83.5.  
 Hartman, Richard A.: *See*—  
 Tinnerman, George A., and Hartman. 2,703,912.  
 Hartman, Robert E. C., and R. W. Gilmer, to Chrysler Corp. 2,717,507, Cl. 62—129.  
 Hartman, Victor, to The Formfit Co. 2,711,536, Cl. 2—42.  
 Hartmann Co.: *See*—  
 Ritter, Julius, Jr. 2,702,105.  
 Hartmann, Eric C., to Dade Disinfecting Co., Inc. 2,698,767, Cl. 299—20.  
 Hartmann, Eugene E. 2,717,633, Cl. 155—131.  
 Hartmann, Paul F. 2,713,898, Cl. 160—123.  
 Hartner, Leo: *See*—  
 Junghans, Helmut, and Hartner. 2,707,861.  
 Hartop, William L., Jr.: *See*—  
 Windischman, Edward F., Hartop, and Ryan. 2,716,983.  
 Hartough, Howard D.: *See*—  
 Dickert, Joseph J., Jr., and Hartough. 2,721,875.  
 Hartrafft, William, to The Garlock Packing Co. 2,723,868, Cl. 286—9.  
 Hartridge, Leslie. 2,701,429, Cl. 51—105.  
 Hartsock, Robert E., and R. W. Henss, to J. I. Case Co. 2,710,572, Cl. 97—198.1.  
 Hartstein, Fred W. 2,713,012, Cl. 154—49.  
 Hart-Still, Sydney C. 2,723,041, Cl. 215—52.  
 Hartung, Robert G. 2,699,964, Cl. 293—60.  
 Hartwell Aviation Supply Co.: *See*—  
 Andrews, Weldon R. 2,712,955.  
 Cudney, Charles G. 2,711,336.  
 Cudney, Charles G. 2,717,796.  
 Cudney, Charles G. 2,722,445.  
 Hogan, John E., and Andrews. 2,699,962.
- Hartwell, Clark: *See*—  
 Andrews, Weldon R. 2,712,955.  
 Cudney, Charles G. 2,711,336.  
 Cudney, Charles G. 2,717,796.  
 Cudney, Charles G. 2,722,445.  
 Hogan, John E., and Andrews. 2,699,962.
- Hartwell, Eleanor M.: *See*—  
 Andrews, Weldon R. 2,712,955.  
 Cudney, Charles G. 2,711,336.  
 Cudney, Charles G. 2,717,796.  
 Cudney, Charles G. 2,722,445.  
 Hogan, John E., and Andrews. 2,699,962.
- Hartwell, George E.: *See*—  
 Peck, Elbert D., Mertes, and Hartwell. 2,722,705.  
 Hartwick, Charles M. 2,717,935, Cl. 200—84.  
 Hartwick, Elbert F., K. A. Miners, and N. W. F. Phillips, to Aluminium Laboratories Ltd. 2,698,777, Cl. 23—209.9.  
 Hartwig, Edward C., to Westinghouse Electric Corp. 2,725,472, Cl. 250—27.  
 Hartwig, Edward C., and H. W. Van Ness, to Westinghouse Electric Corp. 2,728,031, Cl. 315—181.  
 Hartwig, Johan F.: *See*—  
 Van Weynsbergen, Charles L., and Hartwig. 2,725,489.  
 Harty, Raymond L. 2,709,055, Cl. 248—28.  
 Hartzband, Harry M.: *See*—  
 Richards, Harold A., Jr., Betts, and Hartzband. 2,717,856.  
 Hartzell, Blanche D.: *See*—  
 Donehower, William P. 2,720,859.  
 Hartzell, Herman L., to General Motors Corp. 2,723,654, Cl. 123—179.  
 Hartzell Industries Inc.: *See*—  
 Biermann, David. 2,722,985.  
 Johnston, Danal W. 2,716,975.  
 Hartzell, Maurice: *See*—  
 Donehower, William P. 2,720,859.  
 Hartzog, Levy S. 2,709,013, Cl. 214—308.  
 Harvard Mfg. Co., The: *See*—  
 Blanke, Nathan E., and Sands. Re. 23,926.  
 Sands, Hillard J. 2,707,288.  
 Harvel Research Corp.: *See*—  
 Harvey, Mortimer T., and Rosamilia. 2,699,431.  
 Lotz, Edwin L. 2,698,504.  
 Harvell Mfg. Corp.: *See*—  
 Tuttle, Edward S. 2,709,120.  
 Tuttle, Edward S. 2,722,387.  
 Harvengt, Edmond, to Link-Belt Co. 2,700,471, Cl. 209—315.  
 Harvengt, Edmond, to Link-Belt Co. 2,705,074, Cl. 209—139.  
 Harvengt, Edmond, to Link-Belt Co. 2,705,075, Cl. 209—139.  
 Harvengt, Edmond, to Link-Belt Co. 2,720,312, Cl. 209—486.  
 Harvey, Cecil L., to Gibson Electric Co. 2,723,444, Cl. 29—155.55.  
 Harvey, Douglass C.: *See*—  
 Fuerst, Carl C., and Harvey. 2,718,834.  
 Harvey, Draper M., to Automotive & Marine Products Corp. 2,721,545, Cl. 123—196.  
 Harvey, Earle M. 2,711,041, Cl. 42—25.  
 Harvey, Earle M., to the United States of America as represented by the Secretary of the Army. 2,714,334, Cl. 89—190.  
 Harvey, Earle M., to the United States of America as represented by the Secretary of War. 2,715,290, Cl. 42—50.  
 Harvey, George G.: *See*—  
 Young, Louise, and Harvey. 2,699,501.  
 Harvey, Leo M.: *See*—  
 Frick, Chester A. 2,715,980.  
 Harvey, Leo M. 2,698,703, Cl. 222—207.  
 Harvey, Merlin P.: *See*—  
 Ladd, Elbert C., Harvey, Cable, and Szayna. 2,725,411.  
 Harvey, Mortimer T., and P. L. Rosamilia, to Harvel Research Corp. 2,699,431, Cl. 260—3.  
 Harvey, Richard F. 2,717,846, Cl. 148—12.4.  
 Harvey, Robert L., to Radio Corp. of America. 2,723,239, Cl. 252—62.5.  
 Harvey, Wilbur J.: *See*—  
 Bommarito, Ciro L., and Harvey. 2,712,234.  
 Harvey, Wilfred G. 2,718,031, Cl. 18—42.  
 Harvey, Wilfred G. 2,718,032, Cl. 18—42.  
 Harwell, Arthur H. 2,720,032, Cl. 33—174.  
 Harwell, Edward M.: *See*—  
 Anderson, Dale L., Shaffer, Knowles, Harwell, Nash, and Lewis. 2,724,342.  
 Harwin, Dixon R., A. Stern, and V. H. Bodle, to National Sponge Cushion Co., Inc. 2,703,909, Cl. 18—6.  
 Harwood, Frederick A.: *See*—  
 Dixon, Henry J., Chapman, and Harwood. 2,717,301.  
 Harwood, Geo. S., & Son: *See*—  
 Jee, Albert R., and Harwood. 2,702,177.  
 Harwood, James: *See*—  
 Vander Wal, Robert J., Harwood, and Reck. 2,712,558.  
 Harwood, John E., Jr., to The Cleveland Aero Products, Inc. 2,701,714, Cl. 267—64.  
 Harwood, Kenneth J., C. H. Hogue, H. J. Le Dain, and R. N. Sabee, to International Cellucotton Products Co. 2,719,337, Cl. 19—156.  
 Harwood, Kenneth J., C. H. Hogue, H. J. Le Dain, and R. N. Sabee, to Kimberly-Clark Corp. 2,726,423, Cl. 19—156.  
 Harwood, Louis J.: *See*—  
 Harwood, Milton G. and L. J. 2,718,050.  
 Harwood, Milton G. and L. J. 2,718,050, Cl. 29—235.  
 Harwood, Philip, and G. R. Jacob, to J. R. Gordon & Co. Ltd. 2,726,691, Cl. 144—208.  
 Harwood, Philip S., and G. G. Richards. 2,723,817, Cl. 248—34.  
 Harwood, Sydney: *See*—  
 Jee, Albert R., and Harwood. 2,702,177.  
 Harwood, Wallace W., to A. Rust-Oppenheim. 2,703,743, Cl. 312—128.  
 Hasbrook, Arthur F., to O. S. Petty. 2,699,544, Cl. 343—12.  
 Hasbrouck, Augustus. 2,717,489, Cl. 60—35.6.  
 Hasbrouck, Augustus. 2,720,370, Cl. 248—5.  
 Hasbrouck, Richard B., M. A. Spielman, and K. E. Hamlin, to Abbott Laboratories. 2,727,906, Cl. 260—397.2.  
 Hascham, Abraham T., and T. A. Hashem. 2,701,606, Cl. 155—177.  
 Haschel, Adolfo, and S. Jacobson. 2,713,172, Cl. 2—169.



- Haselman, Albert: *See*—  
Bernard, James L., Jr., and Haselman. 2,708,686.  
Hash, Kent J. 2,722,181, Cl. 111—5.  
Hashem, Thomas A.: *See*—  
Hascham, Abraham T., and Hashem. 2,701,606.  
Hashimoto, Tadaichi, to Research Counsel, Inc. 2,699,409, Cl. 117—100.  
Hashimoto, Tadaichi, to Research Counsel, Inc. 2,728,733, Cl. 252—449.  
Haskel Engineering Associates: *See*—  
Driskel, Don W., and Hayman. 2,713,328.  
Haskelite Mfg. Corp.: *See*—  
Potchen, Joseph A. 2,699,599.  
Haskell, Donald M., to Phillips Petroleum Co. 2,716,120, Cl. 260—290.  
Haskell, Frederic V., S. M. Sutton, and O. L. Walter, to Bell Telephone Laboratories, Inc. 2,703,218, Cl. 254—134.3.  
Haskell, Philip R.: *See*—  
Crittendon, Lexie R., and Haskell. 2,719,375.  
Haskins, Lonnie W., to J. S. Babb. 2,705,593, Cl. 232—21.  
Haskins, Reginald H., to National Research Council. 2,698,843, Cl. 260—210.  
Haskins, Robert, to Flight Research, Inc. 2,715,707, Cl. 318—283.  
Hasko, John, and J. C. Peacock. 2,711,352, Cl. 308—72.  
Haslacher, Alfred B. 2,709,549, Cl. 229—55.  
Haslam, John H., to E. I. du Pont de Nemours and Co. 2,708,203, Cl. 260—414.  
Haslam, John H., to E. I. du Pont de Nemours and Co. 2,708,205, Cl. 260—429.  
Haslam, John H., to E. I. du Pont de Nemours and Co. 2,719,863, Cl. 260—586.  
Hasler, Arthur D., and W. J. Wisby, to the United States of America as represented by the Secretary of the Navy. 2,699,751, Cl. 119—3.  
Hass, Albert C. 2,703,564, Cl. 126—110.  
Hasselhoff, Carl S., to The Eastern Box Co. 2,721,001, Cl. 220—113.  
Hasselhorn, Walter C., to Cook Electric Co. 2,722,633, Cl. 317—66.  
Hasselhorn, Walter C., and J. S. Baker, to Cook Electric Co. 2,722,580, Cl. 200—83.  
Hasselquist, Victor H., to The B. F. Goodrich Co. 2,701,579, Cl. 137—223.  
Hasselquist, Victor H., to The B. F. Goodrich Co. 2,705,523, Cl. 154—42.  
Hasselquist, Victor H., to The B. F. Goodrich Co. 2,714,726, Cl. 4—177.  
Hasselquist, Victor H., to The B. F. Goodrich Co. 2,719,982, Cl. 4—177.  
Hasselquist, Victor H., to B. F. Goodrich Co. 2,722,090, Cl. 51—170.  
Hastings, Homer R., to General Motors Corp. 2,716,685, Cl. 201—48.  
Hastings Instrument Co., Inc.: *See*—  
Haywood, Vernon M. 2,703,454.  
Haywood Vernon M., Cayouette, and Turnage. 2,709,253.  
Hastings, John V., III, and A. A. Schoenberg. 2,721,817, Cl. 154—47.  
Hastings Mfg. Co.: *See*—  
Johnson, Stephen I., Dutterer, and Hein. 2,712,685.  
Phillips, Harold P. 2,712,971.  
Phillips, Harold P. 2,717,525.  
Hastings, Norman R., to Walk Time, Inc. 2,711,099, Cl. 73—171.  
Hastings, Norman R. 2,720,637, Cl. 340—43.  
Hastings, Norman R., to Walk Time, Inc. 2,724,100, Cl. 340—43.  
Hastings, Randall: *See*—  
Barthel, Justus C., and Hastings. 2,717,838.  
Hastings, Ward E., to Kraft Foods Co. 2,711,020, Cl. 31—20.  
Hastrup, Herman, and D. F. Pinkerton. 2,723,498, Cl. 51—8.  
Haswell, Arthur B., to United States Steel Corp. 2,728,090, Cl. 10—11.  
Haswell, Ernest G., to United States Steel Corp. 2,725,491, Cl. 310—8.7.  
Haszeldine, Robert N. 2,716,668, Cl. 260—653.  
Hatch, Arthur J., to The Strong Electric Corp. 2,705,269, Cl. 200—138.  
Hatch, Charles T., and S. R. McKim, to Union Steel Products Co. 2,724,486, Cl. 198—31.  
Hatch, Robert L.: *See*—  
Russum, Leonard W., Hatch, and Weisemann. 2,728,753.  
Hatcher, Blaine. 2,705,383, Cl. 43—16.  
Hatcher, David B.: *See*—  
Plueddemann, Edwin P., and Hatcher. 2,717,900.  
Hatcher, David B., to Allied Chemical & Dye Corp. 2,715,065, Cl. 92—3.  
Hatcher, David B., and R. H. Bunnell, to Allied Chemical & Dye Corp. 2,726,176, Cl. 117—123.  
Hatcher, Hal B. 2,709,988, Cl. 119—62.  
Hatcher, James D. 2,727,492, Cl. 119—81.  
Hatcher, Merrel E. 2,727,412, Cl. 77—7.  
Hatfield, Joseph W.: *See*—  
Spayd, Fred M. 2,699,181.  
Hathaway, Charles A., and W. E. Cashen, to The Torrington Mfg. Co. 2,703,625, Cl. 170—159.  
Hathaway, Claude M., to Hathaway Instrument Co. 2,702,226, Cl. 346—33.  
Hathaway, Claude M., to Hathaway Instrument Co. 2,707,001, Cl. 137—785.  
Hathaway, Claude M., and W. D. Tilton, Jr., to Hathaway Instrument Co. 2,726,918, Cl. 346—33.  
Hathaway, Claude M., and W. D. Tilton, Jr., to Hathaway Instrument Co. 2,726,919, Cl. 346—110.  
Hathaway Instrument Co.: *See*—  
Hathaway, Claude M. 2,702,226.  
Hathaway, Claude M. 2,707,001.  
Hathaway, Claude M., and Tilton. 2,726,918.  
Hathaway, Claude M., and Tilton. 2,726,919.  
Hathaway, Jarrett L., to the United States of America as represented by the Secretary of the Army. 2,708,738, Cl. 332—14.  
Hathaway Mfg. Co.: *See*—  
Kahler, William H., Balassa, and Ross. 2,702,228.  
Hattan, Mark, ½ to S. A. Pierson. 2,712,912, Cl. 244—110.  
Hattman, Frederick A., to United States Steel Corp. 2,716,941, Cl. 101—40.  
Hatton, Derald R.: *See*—  
Witworth, Otis R., and Hatton. 2,728,271.  
Hatton, Donald J., to Vono Ltd. 2,712,655, Cl. 5—21.  
Hatton, Ernest C.: *See*—  
McFarling, Excel W., Briscoe, and Hatton. 2,713,442.  
Hatton, Roger E.: *See*—  
Gamrath, Harry R., and Hatton. 2,698,837.  
Gamrath, Harry R., and Hatton. 2,707,176.  
Haubein, Albert H., to Hercules Powder Co. 2,725,329, Cl. 167—33.  
Haubein, Albert H., to Hercules Powder Co. 2,725,330, Cl. 167—33.  
Haubein, Albert H., to Hercules Powder Co. 2,725,331, Cl. 167—33.  
Haubert, Leo. 2,727,717, Cl. 254—1.  
Hauck, Paul A., and G. Todd, to Hanson-Van Winkle-Munning Co. 2,710,693, Cl. 214—89.  
Hauck, Roy C., and A. L. Nathan; said Hauck assor. to Delta Heating Corp. 2,725,051, Cl. 126—110.  
Hauck, Theodore, to General Bronze Corp. 2,703,158, Cl. 189—75.  
Haug, Anton J. 2,719,463, Cl. 92—26.  
Haug, Emil, to Schachenmayr, Mann & Cie. 2,702,426, Cl. 28—21.  
Haug, John S., to United Engineers & Constructors Inc. 2,709,646, Cl. 48—211.  
Haug, John S., to The United Gas Improvement Co. 2,720,450, Cl. 48—196.  
Haug, Richard J. 2,725,753, Cl. 74—16.  
Haugen, Edmond H., to Rockwell Spring and Axle Co. 2,698,739, Cl. 257—203.  
Haugh, Gordon A. 2,713,746, Cl. 46—87.  
Haughton Elevator Co.: *See*—  
Burgy, Raymond A. 2,728,417.  
Burgy, Raymond A., and Nikazy. 2,728,416.  
Haugwitz, Otto, to Societe Geoffroy-Delore. 2,727,396, Cl. 74—198.  
Hauk, Joseph, to Allis-Chalmers Mfg. Co. 2,698,644, Cl. 154—1.6.  
Haulotte, Arthur. 2,726,782, Cl. 214—656.  
Haupt, Hans. 2,700,391, Cl. 135—26.  
Haupt, Hans. 2,725,888, Cl. 135—38.  
Haupt, Hans, and E. Haupt geb. Hohler. 2,710,619, Cl. 135—26.  
Haupt, Eugene J., and J. W. McDuffie, to The Sperry Corp. 2,714,796, Cl. 56—400.  
Haupt, Karl O.: *See*—  
Haupt, Kurt R., K. O. and W. H. 2,719,980.  
Haupt, Kurt R., K. O. and W. H. 2,719,980, Cl. 2—159.  
Haupt, Walter H.: *See*—  
Haupt, Kurt R., K. O. and W. H. 2,719,980.  
Haupt, Walter H., to Keleket X-Ray Corp. 2,722,611, Cl. 250—105.  
Haupt, Walter H., and P. F. Schepker, to Keleket X-Ray Corp. 2,709,221, Cl. 250—66.  
Haury, Earl R., to The Gates Rubber Co. 2,699,575, Cl. 18—45.  
Hause, Allan E. 2,699,926, Cl. 259—132.  
Hauser, Alfred K. 2,719,316, Cl. 15—236.  
Hauser, Arnold. 2,705,051, Cl. 170—135.4.  
Hauser, Ethel. 2,708,312, Cl. 30—124.  
Hauser, Ray L.: *See*—  
Panagrossi, Ahmed, and Hauser. 2,705,691.  
Hauser-Keller, Hildegard: *See*—  
Keller, Jean. 2,725,578.  
Hauss, Karl. 2,728,819, Cl. 191—23.  
Haussler, William H., Jr., and R. W. Richards, to Utica Drop Forge & Tool Corp. 2,721,423, Cl. 51—101.  
Hauswirth, Vernon O., to Ford Motor Co. 2,701,517, Cl. 100—4.  
Hauswirth, Vernon O., to Ford Motor Co. 2,708,817, Cl. 55—94.  
Hauswirth, Vernon O., and C. B. Richey, to Ford Motor Co. 2,727,458, Cl. 100—189.  
Hautau, Charles F.: *See*—  
Hautau, Llewellyn A. and C. F. 2,711,817.  
Hautau, Llewellyn A. and C. F. 2,711,817, Cl. 193—210.  
Hautier, Camille. 2,711,265, Cl. 220—40.  
Hautzenroeder, Richard W., to Harry Ferguson, Inc. 2,709,117, Cl. 305—8.  
Haven, Alfred C., Jr., to E. I. du Pont de Nemours and Co. 2,716,639, Cl. 260—77.5.  
Haven, David S., to Meier & Pohlmann Furniture Co. 2,709,485, Cl. 155—196.  
Haven, Hiram L., to Edward Parkinson Mfg. Co., Inc. 2,708,784, Cl. 26—62.  
Havens, Byron L., to the United States of America as represented by the Secretary of War. 2,699,545, Cl. 343—13.



- Havens, Byron L., to International Business Machines Corp. 2,700,738, Cl. 310—83.
- Havens, Byron L., to the United States of America as represented by the Secretary of the Navy. 2,706,341, Cl. 33—214.
- Havens, Byron L., to the United States of America as represented by the Secretary of the Navy. 2,717,998, Cl. 343—5.
- Havens, Harry L., and A. R. Thompson, to Havens Structural Steel Co. 2,702,729, Cl. 308—36.1.
- Havens, Ira R. 2,722,235, Cl. 137—637.4.
- Havens, Ralph J. 2,712,239, Cl. 73—399.
- Havens Structural Steel Co.: *See—*
- Havens, Harry L., and Thompson. 2,702,729.
- Haverberg, Loren R. 2,718,650, Cl. 15—21.
- Haverstick, Walter M. 2,702,970, Cl. 51—165.
- Havican, Raymond V., and J. P. Treciokas, to Scovill Mfg. Co. 2,715,440, Cl. 164—86.
- Haviland, John G.: *See—*
- Brissette, Lawrence P., and Haviland. 2,703,492.
- Haviland, Robert P., to General Electric Co. 2,711,290, Cl. 235—61.
- Haviland, Thomas J., to the United States of America as represented by the Secretary of the Navy. 2,715,163, Cl. 200—27.
- Havr, Andrew H. 2,723,011, Cl. 192—25.
- Hawaiian Development Co. Ltd.: *See—*
- Duncan, Richard A. 2,724,228.
- Hawaiian Pineapple Co., Ltd.: *See—*
- Nakai, Minoru. 2,708,812.
- Hawaiian Sugar Planters Association: *See—*
- Bolles, Elmer R. 2,710,097.
- Hawle, Gabriel S., L. B. Sebrell, and P. E. Ambrose, to International Latex Corp. 2,723,434, Cl. 24—196.
- Hawk, Edwin A.: *See—*
- Smith, Harold J., Johnson, and Hawk. 2,724,164.
- Hawker, Roland G. 2,719,461, Cl. 90—12.5.
- Hawkes, Douglas T. 2,727,746, Cl. 273—134.
- Hawkeye Steel Products Inc.: *See—*
- Visser, Gerrit A., Melchert, and Crawford. 2,726,316.
- Visser, Gerrit A., Melchert, and Crawford. 2,727,115.
- Hawkins, Edwin G. E., T. D. C. Quin, and F. E. Salt, to Hercules Powder Co. 2,715,646, Cl. 260—610.
- Hawkins, Elbert E.: *See—*
- Purse, Ernest, and Hawkins. 2,701,086.
- Hawkins, Ernest L.: *See—*
- Lassen, Hans G. 2,699,564.
- Hawkins, Floyd L. 2,713,737, Cl. 39—43.
- Hawkins, Frank L.: *See—*
- Berlin, Aaron S., Classen, Novak, and Hawkins. 2,723,554.
- Hawkins, Gary F.: *See—*
- Joyner, Frederick B., and Hawkins. 2,721,858.
- Hawkins, George L. 2,702,225, Cl. 312—311.
- Hawkins, James E., to Seismograph Service Corp. Re. 23,919, Cl. 181—0.5.
- Hawkins, James E., to Seismograph Service Corp. 2,710,961, Cl. 343—105.
- Hawkins, James E., to Seismograph Service Corp. 2,724,830, Cl. 343—105.
- Hawkins, James R., to Armour and Co. 2,726,489, Cl. 51—34.
- Hawkins, Lloyd G. 2,705,843, Cl. 35—31.
- Hawkins, Samuel R., to American Cyanamid Co. 2,702,781, Cl. 195—65.
- Hawkins, Wallace H. 2,701,069, Cl. 214—86.
- Hawkins, William M., Jr., to W. K. M. Mfg. Co., Inc. 2,699,798, Cl. 137—246.16.
- Hawkinson, Paul E., to Paul E. Hawkinson Co. 2,718,258, Cl. 157—1.2.
- Hawkinson, Paul E., Co.: *See—*
- Hawkinson, Paul E. 2,718,258.
- Hawks, Otis J. 2,707,796, Cl. 16—52.
- Hawley, Alfred E.: *See—*
- McDonald, Louis, and Hawley. 2,710,792.
- Hawley, Don M., to Hawley Products Co. 2,715,596, Cl. 154—90.
- Hawley, Don M., and J. C. Williams, to Hawley Products Co. 2,698,558, Cl. 92—55.
- Hawley, Don M., and J. C. Williams, to Hawley Products Co. 2,702,241, Cl. 92—3.
- Hawley Engineering Corp., The: *See—*
- Wright, Bruce R. 2,709,681.
- Hawley, Mones E.: *See—*
- Kettler, Alfred H., and Hawley. 2,699,473.
- Hawley, Mones E., and G. A. Suther, to the United States of America as represented by the Secretary of the Navy. 2,724,766, Cl. 240—1.
- Hawley Products Co.: *See—*
- Curtis, Russell H. 2,700,326.
- Hawley, Don M. 2,715,596.
- Hawley, Don M., and Williams. 2,698,558.
- Hawley, Don M., and Williams. 2,702,241.
- Kyle, Colin. 2,723,423.
- Kyle, Colin. 2,723,600.
- Kyle, Colin, and Haerther. 2,705,442.
- Williams, John C. 2,723,968.
- Hawley, Richard A. 2,726,024, Cl. 226—24.
- Haworth, Dwight T. 2,710,192, Cl. 275—2.
- Haworth, James P. 2,698,503, Cl. 51—34.
- Haworth, James P. 2,723,508, Cl. 51—204.
- Haworth, Joseph P.: *See—*
- Duncan, Gordon W., Lifson, and Haworth. 2,706,677.
- Haworth, Joseph P., F. L. Jonach, J. E. Hickok, and A. H. Matuszak, to Standard Oil Development Co. 2,701,754, Cl. 44—77.
- Haworth, Leland J.: *See—*
- Berger, France B., Jarmotz, and Haworth. 2,720,646.
- Haworth, Lionel, D. O. Davies, and D. H. Jubb, to Rolls-Royce Ltd. 2,718,114, Cl. 60—39.28.
- Hawthorn, Edmund C. 2,725,829, Cl. 107—14.
- Hawthorne, Nathaniel F., to Friden Calculating Machine Co., Inc. 2,718,793, Cl. 74—457.
- Hawtin, Philip R., and J. A. John, to British Celanese Ltd. 2,721,850, Cl. 260—16.
- Hawtin, Selwyn G.: *See—*
- Taylor, William I., and Hawtin. 2,700,794.
- Taylor, William I., and Hawtin. 2,701,211.
- Hay, Dana P., to United Shoe Machinery Corp. 2,720,852, Cl. 112—55.
- Hay, Edwin F., to Home Washer Corp. 2,703,484, Cl. 68—132.
- Hay, James B. 2,702,136, Cl. 214—130.
- Hay, John J. 2,714,459, Cl. 214—90.
- Hay, Russell G., to Gulf Research & Development Co. 2,699,376, Cl. 23—182.
- Hay, Wayne W.: *See—*
- Gilroy, John, Weaver, and Hay. 2,699,927.
- Hayashiguchi, Kichitaro. 2,723,693, Cl. 144—309.
- Haybar Ltd.: *See—*
- Haycock, George W. 2,727,642.
- Haycock, George W., to Haybar Ltd. 2,727,642, Cl. 214—309.
- Hayden, Martin W., J. T. MacIsaac, Jr., F. T. Sutfenfield, and G. H. Simpson, to Fieldcrest Mills, Inc. 2,712,907, Cl. 242—62.
- Hayden, Robert L. J., to Foster Wheeler Corp. 2,707,458, Cl. 122—1.
- Hayden, Vernon H., and M. G. Leonard, to Westinghouse Electric Corp. 2,717,275, Cl. 174—37.
- Haydon, Arthur W., to Haydon Switch, Inc. 2,700,079, Cl. 200—67.
- Haydon Mfg. Co., Inc.: *See—*
- Goodhouse, Carl J., and Poole. 2,711,456.
- Haydon Switch, Inc.: *See—*
- Haydon, Arthur W. 2,700,079.
- Hayek, Arthur F., to General Precision Laboratory Inc. 2,712,413, Cl. 235—1.
- Hayek, Arthur F., to General Precision Laboratory Inc. 2,722,379, Cl. 235—92.
- Hayek, Mason: *See—*
- Boyd, George H., and Hayek. 2,723,246.
- Hayek, Mason, to E. I. du Pont de Nemours and Co. 2,723,256, Cl. 260—79.3.
- Hayes, C. L., Inc.: *See—*
- Gilbert, Wesley R. 2,701,446.
- Gilbert, Wesley R. 2,701,712.
- Hayes, Charles W.: *See—*
- Laurence, Lawton L., and Hayes. 2,725,337.
- Hayes, Charles W., to Black, Sivalls & Bryson, Inc. 2,710,014, Cl. 137—70.
- Hayes, Frank, to The Noble & Wood Machine Co. 2,725,794, Cl. 92—22.
- Hayes, Frank A., to The Singer Mfg. Co. 2,722,183, Cl. 112—67.
- Hayes, James C. 2,724,519, Cl. 214—147.
- Hayes, James L. 2,722,896, Cl. 103—221.
- Hayes, Kenyon J., to The Norwich Pharmacal Co. 2,702,292, Cl. 260—240.
- Hayes, Lester P.: *See—*
- Smith, Clifford B., and Hayes. 2,725,313.
- Hayes, Millard F., to The Sandy Hill Iron & Brass Works. 2,727,442, Cl. 92—45.
- Hayes, Monson H., to Link Aviation, Inc. 2,715,208, Cl. 324—63.
- Hayes, Monson H., and J. L. West, to Link Aviation, Inc. 2,724,108, Cl. 340—253.
- Hayes, Paul, and G. C. Loomis, to Loomis Armored Car Service, Inc. 2,721,030, Cl. 232—16.
- Hayes, Robert R.: *See—*
- Shoulders, Walter L., and Hayes. 2,717,320.
- Hayes, Stanley W., to Hayes Track Appliance Co. Re. 24,030, Cl. 104—254.
- Hayes, Thomas A., to The American Hardware Corp. 2,719,048, Cl. 292—92.
- Hayes Track Appliance Co.: *See—*
- Hayes, Stanley W. Re. 24,030.
- Hayes, Victor L., Jr., and F. S. Hamlin, to Phillips Petroleum Co. 2,704,973, Cl. 98—115.
- Hayes, William, to Armstrong Cork Co. 2,713,419, Cl. 209—72.
- Hayleo Controls Corp.: *See—*
- Hartley, Nelson. 2,709,843.
- Haymaker, Jack E.: *See—*
- Henderson, Wayne L., and Haymaker. 2,704,181.
- Hayman, Richard L.: *See—*
- Driskel, Don W., and Hayman. 2,713,328.
- Haynes, Don A. 2,712,295, Cl. 116—109.
- Haynes, James F. 2,701,512, Cl. 97—216.
- Haynes, James R., to Bell Telephone Laboratories, Inc. 2,702,838, Cl. 179—171.
- Haynes, James R., and R. D. Heidenreich, to Bell Telephone Laboratories, Inc. 2,722,490, Cl. 117—200.
- Haynes, Joseph E. 2,723,144, Cl. 292—75.
- Haynes, Oliver J., to T. F. Beaman. 2,703,449, Cl. 30—53.
- Haynes, Pierre E., to Koppers Co., Inc. 2,716,332, Cl. 62—123.



- Haynes, William J., Sr., to Leavenworth Steel, Inc. 2,710,781, Cl. 311—114.
- Hays Corp., The: *See*—  
Bailey, George B. 2,699,069.  
Richardson, Robert D. 2,728,217.
- Hays, Earl E.: *See*—  
Richards, Paul I., and Hays. 2,720,593.
- Hays, George E., to Phillips Petroleum Co. 2,702,238, Cl. 48—196.
- Hays, John J.: *See*—  
Jamieson, James G., Adamec, and Hays. 2,706,393.
- Hays, Mae C.: *See*—  
Jamieson, James G., Adamec, and Hays. 2,706,393.
- Hays Mfg. Co.: *See*—  
Miller, Wesley G. 2,719,889.
- Hays, Raymond E.: *See*—  
Hinchman, Harvey S., and Hays. 2,703,211.
- Hays, Robert F., Jr., to Sperry Rand Corp. 2,720,643, Cl. 343—5.
- Hays, Roy W.: *See*—  
Dixon, Paul H., and Hays. 2,699,936.
- Haysom, John C.: *See*—  
Molins, Desmond W., Haysom, and Mason. 2,708,391.
- Hayssen Mfg. Co.: *See*—  
Wilson, David A. 2,700,947.
- Haythorne, Marietta: *See*—  
Auth, Maximilian A. 2,728,823.
- Hayward, Claude E., and E. S. Gorton, to Bemis Bro. Bag Co. 2,701,989, Cl. 93—20.
- Hayward, John T. 2,699,042, Cl. 61—46.5.
- Hayward, Raymond W.: *See*—  
Norgorden, Oscar, White, and Hayward. 2,710,960.
- Hayward Tyler and Co. Ltd.: *See*—  
Ivanoff, Victor, and King. 2,702,730.
- Haywood, Russell I., to Harris-Seybold Co. 2,709,509, Cl. 192—129.
- Haywood, Vernon M., to Hastings Instrument Co., Inc. 2,703,454, Cl. 33—1.
- Haywood, Vernon M., R. L. Cayouette, and H. C. Turnage, to Hastings Instrument Co., Inc. 2,709,253, Cl. 343—12.
- Hazard, Charles S., and D. H. MacDonald, to Revere Corp. of America. 2,727,392, Cl. 73—452.
- Hazel, Ernest, Jr. 2,726,128, Cl. 312—184.
- Hazeltine, James E., Jr., to Armstrong Cork Co. 2,705,684, Cl. 117—15.
- Hazeltine, James E., Jr., and H. A. Gelzenlichter, to Armstrong Cork Co. 2,705,683, Cl. 117—14.
- Hazeltine Research, Inc.: *See*—  
Bradshaw, Stanley E., and Douglas. 2,723,370.  
Easton, Allan. 2,702,837.  
Loughlin, Bernard D. 2,707,206.  
Loughlin, Bernard D. 2,722,563.  
Loughlin, Bernard D. 2,728,813.  
Loughren, Arthur V. 2,715,154.  
Okrent, Jasper J. 2,708,239.  
Okrent, Jasper J. 2,710,914.  
Press, Meyer. 2,717,362.  
Rubin, Samuel. 2,705,778.  
Schwartz, Alfred A., Jr. 2,703,389.  
Shanahan, William J. 2,711,529.
- Hazleton, Charles L., to American Optical Co. 2,701,030, Cl. 183—39.
- Hazelwood, Robert N., to McGraw Electric Co. 2,727,880, Cl. 260—46.5.
- Hazen, Edward J., to Bendix Aviation Corp. 2,723,529, Cl. 60—39.28.
- Hazen, Edward J., to Bendix Aviation Corp. 2,727,357, Cl. 60—39.28.
- Hazy, Lily. 2,707,646, Cl. 292—148.
- Hazy, Lily. 2,713,347, Cl. 134—115.
- Head, George A., and B. L. Norton, to Bell Telephone Laboratories, Inc. 2,702,186, Cl. 264—1.
- Head, James D., to The Dow Chemical Co. 2,705,730, Cl. 260—612.
- Headings, Samuel G. 2,703,984, Cl. 73—425.
- Heal, Byron F. 2,722,058, Cl. 34—232.
- Heald Machine Co., The: *See*—  
Hahn, Robert S. 2,699,696.
- Heald, Norman R.: *See*—  
Abell, Harry D. and H. E., and Heald. 2,709,515.  
Abell, Harry D. and H. E., and Heald. 2,709,585.  
Abell, Harry D., and H. E., and Heald. 2,717,153.
- Heald, Robert F., to Colgate-Palmolive Co. 2,704,279, Cl. 252—121.
- Healey, Donald, Motor Co. Ltd.: *See*—  
Coker, Gerald C. 2,716,041.
- Healey, Norman, to Shell Development Co. 2,726,207, Cl. 252—8.5.
- Healey, Sidney, to American Instrument Co., Inc. 2,699,119, Cl. 103—38.
- Health Guardian Corp.: *See*—  
Kroening, Walter F., and Irrgang. 2,726,294.
- Healy, Alexander, Jr.: *See*—  
Hudson, Richard L. 2,713,718.
- Healy, James F. 2,699,320, Cl. 254—135.
- Healy, Thomas J.: *See*—  
Burgemeister, Paul A., and Healy. 2,723,953.
- Heap, Jesse J.: *See*—  
Stanley, Eugene, J. J. Heap, and J. J. Heap, Jr. 2,700,946.
- Heap, Jesse J., Jr.: *See*—  
Stanley, Eugene, J. J. Heap, and J. J. Heap, Jr. 2,700,946.
- Heap, Robert: *See*—  
Hadley, David J., and Heap. 2,716,664.
- Heard, Edward C. 2,698,719, Cl. 241—169.
- Heard, M. Earl, Jr.: *See*—  
Bisinger, Bernhard, and Figi. 2,715,754.
- Hearn, Eugene T. 2,713,108, Cl. 219—19.
- Hearne, George W.: *See*—  
Haefele, Walter R., Hearne, and Ballard. 2,723,994.
- Hearst, Maria: *See*—  
Simpson, Joseph A. 2,722,777.
- Hearthplace, Inc.: *See*—  
Gillen, John L. 2,707,464.
- Heater, Charles L., to American Steel Foundries. 2,702,608, Cl. 188—33.
- Heater, John N., to American Steel Foundries. 2,703,054, Cl. 103—3.
- Heath, Arthur L.: *See*—  
Schwartz, Russell P., and Heath. 2,716,294.
- Heath, Clarence W., to United-Carr Fastener Corp. 2,726,376, Cl. 339—220.
- Heath Co.: *See*—  
Fruth, Hal F. 2,702,524.
- Heath, Thomas D., to The Dorr Co. 2,700,592, Cl. 23—224.
- Heath, W. H. Ltd.: *See*—  
Graves, Kendal H. 2,716,507.
- Heaton, Thomas L. 2,718,089, Cl. 43—55.
- Heaton, Walter H., and R. W. Morse. 2,714,734, Cl. 12—145.
- Heat Timer Corp.: *See*—  
Zeitlin, Edward J., Thorn, and Leighton. 2,727,203.
- Heairn, Leonard J., to Spencer Chemical Co. 2,721,018, Cl. 226—61.
- Heavside, Robert W. 2,712,690, Cl. 30—6.1.
- Heavy Industrial Ceramic Corp.: *See*—  
Smith, Robert P. 2,727,704.  
Smith, Robert P. 2,728,536.
- Hebard, Hugh C. 2,703,000, Cl. 67—103.
- Hebert, Edward L. 2,724,259, Cl. 70—202.
- Hebert, Harold C., to American Can Co. 2,717,089, Cl. 214—83.26.
- Hebert, John W., to Calcinator Corp. 2,701,294, Cl. 219—35.
- Hechenbleikner, Ingenium, to American Cyanamid Co. 2,704,297, Cl. 260—564.
- Hechenbleikner, Ingenium, to American Cyanamid Co. 2,719,174, Cl. 260—553.
- Hecht, Ludwig J., and J. P. Emmerling, to The National Chemical & Plastics Co. 2,707,692, Cl. 117—139.
- Hechtman, John F., to The Munising Paper Co. 2,714,562, Cl. 117—68.5.
- Heck, Alfred C. 2,714,308, Cl. 73—153.
- Heckendorf, Howard A., to International Harvester Co. 2,699,145, Cl. 119—14.06.
- Hecker, Arthur C.: *See*—  
Leistner, William E., and Hecker. 2,704,756.  
Leistner, William E., and Hecker. 2,716,092.  
Leistner, William E., Hecker, and Knoepke. 2,723,965.
- Hecker, Hanns E., to The American Rondo Corp. 2,716,485, Cl. 206—45.25.
- Heckerman, William F., Jr. 2,706,663, Cl. 305—8.
- Heckethorn, John E., and C. R. Dickson, to Heckethorn Mfg. & Supply Co. 2,720,734, Cl. 51—215.
- Heckethorn Mfg. & Supply Co.: *See*—  
Heckethorn, John E., and Dickson. 2,720,734.  
Tautz, Herbert E. 2,724,748.
- Heckett Engineering, Inc.: *See*—  
Heckett, Eric H. 2,726,815.  
Heckett, Eric H. 2,728,454.
- Heckett, Eric H., to Heckett Engineering, Inc. 2,726,815, Cl. 241—91.
- Heckett, Eric H., to Heckett Engineering, Inc. 2,728,454, Cl. 209—38.
- Heckman, Thomas P. 2,708,613, Cl. 311—3.
- Hecox, William: *See*—  
Merrill, Roger L., and Hecox. 2,722,640.
- Hedberg, Carl W. J., to Research Corp. 2,708,486, Cl. 183—7.
- Hedberg, Carl W. J., and L. M. Roberts, to Research Corp. 2,706,533, Cl. 183—7.
- Hedberg, Carl W. J., D. A. Tripp, and H. A. Wintermute, to Research Corp. 2,708,008, Cl. 183—7.
- Hedberg, Carl W. J., and H. A. Wintermute, to Research Corp. 2,708,487, Cl. 183—7.
- Hedden, Robert R., to Chiksan Co. 2,717,166, Cl. 285—10.
- Heddon's, James, Sons Corp.: *See*—  
Kristoff, Donald L. 2,725,920.
- Hedeen, Carl E., to General Motors Corp. 2,698,728, Cl. 248—278.
- Hedeman, Walter R., Jr., to Bendix Aviation Corp. 2,718,591, Cl. 250—27.
- Hedenskoog, Ernest, D. A. Norberg, and A. E. Johnson, to The Murray Corp. of America. 2,723,123, Cl. 273—43.
- Hedges, Charles S., to The Vendo Co. 2,711,242, Cl. 194—71.
- Hedges, Harry O., to Hedges Motor Co. 2,722,924, Cl. 123—59.
- Hedges, Jesse J.: *See*—  
Nagy, Charles E., and Hedges. 2,699,353.
- Hedges, Lee M.: *See*—  
Novotny, Edison H., and Hedges. 2,711,381.
- Hedges Motor Co.: *See*—  
Hedges, Harry O. 2,722,924.
- Hedges, Robert O.: *See*—  
Getz, Delmond L., and Hedges. 2,699,727.  
Getz, Delmond L., and Hedges. 2,699,728.  
Getz, Delmond L., and Hedges. 2,703,608.
- Hedges, William D., to Columbus Coated Fabrics Corp. 2,722,495, Cl. 154—102.



- Hedges, William D., and J. C. Lowman, to Columbus Coated Fabrics Corp. 2,704,735, Cl. 154—120.
- Hedges, William D., and J. C. Lowman, to Columbus Coated Fabrics Corp. 2,723,962, Cl. 260—22.
- Hedges, William M.: *See*—  
Bourns, Marlan E., Harrison, Goepfinger, Whitehorn, and Hedges. 2,706,230.
- Hedin, Börje V. 2,699,325, Cl. 257—256.
- Hedin, Erik. 2,720,847, Cl. 105—193.
- Hedin, Robert S.: *See*—  
Fischer, Paul E., Hedin, Swanson, and Wissman. 2,726,498.
- Fischer, Paul E., Hedin, Swanson, and Wissman. 2,726,499.
- Hedlund, Edward A. 2,721,377, Cl. 29—264.
- Hedlund, Harland R., and K. E. Burnham, to Waldorf Paper Products Co. 2,717,541, Cl. 93—51.
- Hedlund, Henry H. 2,720,798, Cl. 76—43.
- Hedrick, Raymond C. 2,699,088, Cl. 88—24.
- Hedrick, Ross M., and Q. A. Tremontozzi, to Monsanto Chemical Co. 2,703,276, Cl. 71—1.
- Hedstrom, Otto: *See*—  
Weber, William F., and Hedstrom. 2,710,819.
- Hedstrom-Union Co.: *See*—  
Boudreau, Alban M. 2,726,876.
- Hedtke, Robert G., to Minneapolis-Moline Co. 2,727,457, Cl. 100—21.
- Heer & Co. A. G.: *See*—  
Grob, Otto. 2,720,870.
- Heeren, Vernon L., and T. R. Burnight. 2,724,017, Cl. 179—15.
- Heese, Werner G., to Dana Corp. 2,724,036, Cl. 219—10.
- Heffelfinger, Robert D., to American Viscose Corp. 2,725,710, Cl. 57—58,72.
- Heffernan, William R., J. L. Rigassio, and L. Pronio, to Johnson & Johnson. 2,725,102, Cl. 164—61.
- Heffner, Daniel S. 2,722,081, Cl. 43—121.
- Heffler, Maurice B. 2,727,735, Cl. 261—41.
- Heffler, Maurice B. and P. V. 2,699,157, Cl. 123—119.
- Heffler, Pierre V.: *See*—  
Heffler, Maurice B. and P. V. 2,699,157.
- Hefty, Melvin R.: *See*—  
McKinley, John K., Hefty, and Deutser. 2,727,005.
- Hegbar, Howard R.: *See*—  
Sheets, Herman E., Hegbar, Feldscher, and Meneley. 2,725,718.
- Hegedüs, Balthasar: *See*—  
Grüssner, André, and Hegedüs. 2,723,276.
- Grüssner, André, and Hegedüs. 2,723,277.
- Hegedüs, Balthasar, and A. Grüssner, to Hoffmann-La Roche Inc. 2,701,804, Cl. 260—343.2.
- Hegeman, Andrew R.: *See*—  
Harless, Charles A., Worthington, and Hegeman. 2,727,739.
- Heggs, Kenneth, to A. W. McNeill. 2,722,025, Cl. 12—136.
- Hegyi, Imre J., to Radio Corp. of America. 2,728,010, Cl. 313—92.
- Heibel, Jerome D., to Erie Resistor Corp. 2,702,878, Cl. 317—242.
- Heiber, William G. 2,715,740, Cl. 12—103.
- Heichlinger, Heinrich. 2,726,147, Cl. 41—43.
- Heidbreder, John F., to Westinghouse Electric Corp. 2,714,675, Cl. 310—213.
- Heide, Henry, Inc.: *See*—  
Gausman, Alfred. 2,702,111.
- Heidecke, Reinhold, to Franke & Heidecke Fabrik Photographischer Präzisions-Apparate. 2,714,844, Cl. 95—11.
- Heidegger, Henry F., to International Projector Corp. 2,704,395, Cl. 29—428.
- Heidenreich, James G.: *See*—  
Budd, Larry J., Heidenreich, Lane, and Haffenberg. 2,725,171.
- Heidenreich, Robert D.: *See*—  
Haynes, James R., and Heidenreich. 2,722,490.
- Heidorn, John H., to General Motors Corp. 2,700,195, Cl. 20—35.
- Heidorn, John H., to General Motors Corp. 2,720,757, Cl. 62—4.
- Heidorn, John H., and T. H. Fogt, to General Motors Corp. 2,723,538, Cl. 62—116.
- Heidrich, James K., and C. D. Mullinix; said Heidrich assor. to said Mullinix. 2,705,203, Cl. 99—179.
- Heifetz, Yasha. 2,706,670, Cl. 311—35.
- Heigl, Carl H.: *See*—  
Zugel, Victor A., and Heigl. 2,702,189.
- Heigl, John J., and J. A. Hinlicky, to Esso Research and Engineering Co. 2,718,597, Cl. 250—43.5.
- Heijmer, Gustaf B. 2,700,615, Cl. 106—93.
- Heilig, Louis F., to Northrop Aircraft, Inc. 2,727,706, Cl. 244—130.
- Heilman, Bernard, to L. A. Young Spring & Wire Corp. 2,715,988, Cl. 223—92.
- Heilman, Edmond. 2,710,607, Cl. 124—14.
- Heilman, William O., and H. J. Ogorzaly, to Esso Research and Engineering Co. 2,718,263, Cl. 166—11.
- Heim, Alfred. 2,709,886, Cl. 58—8.
- Heim Co., The: *See*—  
Dardani, Edward V. 2,717,006.
- Heim, Lewis R. 2,701,409.
- Heim, Lewis R. 2,701,907.
- Heim, Lewis R., to The Heim Co. 2,701,409, Cl. 29—149.5.
- Heim, Lewis R., to The Heim Co. 2,701,907, Cl. 29—149.5.
- Heiman, Sidney J. 2,705,911, Cl. 98—94.
- Heimann, Willi, to G. M. Pfaff Aktiengesellschaft. 2,724,355, Cl. 112—258.
- Heimaster, John W.: *See*—  
Alspaugh, Paul L., Heimaster, and McNeill. 2,699,328.
- Heimbuch, Elmer F.: *See*—  
Brummer, Olin, and Heimbuch. 2,722,439.
- Brummer, Olin, Heimbuch, and Eadie. 2,719,743.
- Heimo, Elmer E.: *See*—  
Rose, Stanley E., and Heimo. 2,715,324.
- Heimos, Milton J.: *See*—  
Williams, Russell J., and Heimos. 2,716,372.
- Heimsoth, Richard. 2,705,082, Cl. 214—510.
- Hein, Anthony J.: *See*—  
Johnson, Stephen I., Dutterer, and Hein. 2,712,685.
- Hein, George N., Jr. 2,717,597, Cl. 128—173.
- Hein, Harold W.: *See*—  
Harstick, William H., and Hein. 2,725,189.
- Orelind, John R., Hein, and Paplaski. 2,725,187.
- Hein, Harold W., to International Harvester Co. 2,725,245, Cl. 284—17.
- Hein, Harold W., and W. H. Harstick, to International Harvester Co. 2,725,190, Cl. 233—41.
- Hein, Lawrence B., D. W. Rindt, J. F. Shultz, and G. Tarbutton, to Tennessee Valley Authority. 2,706,146, Cl. 23—165.
- Hein, Piet. 2,709,357, Cl. 70—290.
- Heindel, Herbert H.: *See*—  
Holmes, Burton F., and Heindel. 2,700,737.
- Heindorff, Hans, to Brunsviga Maschinenwerke Aktiengesellschaft. 2,727,689, Cl. 235—145.
- Heine, Henry W. 2,702,748, Cl. 106—41.
- Heine, Herman, to Ernst Leitz G. m. b. H. 2,722,863, Cl. 88—39.
- Heine, Thomas H.: *See*—  
Meister, George, and Heine. 2,714,682.
- Meister, George, and Heine. 2,714,684.
- Meister, George, and Heine. 2,714,685.
- Heine, Thomas H., and G. Meister, to Westinghouse Electric Corp. 2,724,070, Cl. 313—337.
- Heineke, Henry L. 2,709,884, Cl. 56—294.
- Heineke, Henry L. 2,715,808, Cl. 56—26.
- Heinemann, Edward H., A. M. Mayo, and H. L. Walpole, to the United States of America as represented by the Secretary of the Navy. 2,702,680, Cl. 244—140.
- Heinemann, Edward H., A. M. Mayo, and H. L. Walpole, to Douglas Aircraft Co., Inc. 2,708,555, Cl. 242—99.
- Heinemann Electric Co.: *See*—  
Wilckens, Kurt W. 2,700,711.
- Heinemann, Heinz: *See*—  
Oblad, Alex G., and Heinemann. 2,703,308.
- Oblad, Alex G., Milliken, and Heinemann. 2,700,013.
- Heinen, Joseph. 2,708,094, Cl. 251—163.
- Heiner, Glen P. 2,714,779, Cl. 43—42,23.
- Heinger, Wilfred, to Paillard S. A. 2,717,055, Cl. 185—39.
- Heininger, Samuel A., to Monsanto Chemical Co. 2,726,945, Cl. 71—2,3.
- Heinis, Frank W.: *See*—  
Meyerhoff, Albert J., and Heinis. 2,725,516.
- Heinish, George. 2,716,397, Cl. 123—108.
- Heinl, Joseph L., and W. J. Miller; said Miller assor. to said Heinl. 2,721,684, Cl. 226—95.
- Heinl, Lawrence F.: *See*—  
Lindeman, Jesse G., Heinl, Krebbiel, and Durland. 2,713,298.
- Heinley, Paul P.: *See*—  
Samuely, Max. 2,718,485.
- Heinrich, August H. 2,699,366, Cl. 308—187.2.
- Heinrich, August H., to Metal Seal & Products, Inc. 2,714,025, Cl. 286—11,15.
- Heinrich, Gustav A., to Suhr, Berryman, Peterson & Suhr, Inc. 2,702,953, Cl. 39—6.
- Heinrich, H. H., Inc.: *See*—  
Schmidt, Harry P. 2,724,331.
- Heinrich, Helmut G., to Pioneer Parachute Co., Inc. 2,703,212, Cl. 244—152.
- Heinrich, Walter A. 2,718,909, Cl. 143—70.
- Heins, Harold, to Bomac Laboratories Inc. 2,710,932, Cl. 315—39.
- Heintz, James C., deceased; The Cleveland Trust Co., executor, to The James C. Heintz Co. 2,708,776, Cl. 22—13.
- Heintz, James C., deceased; The Cleveland Trust Co., executor, to The James C. Heintz Co. 2,718,571, Cl. 200—137.
- Heintz, James C., Co., The: *See*—  
Heintz, James C. 2,708,776.
- Heintz, James C. 2,718,571.
- Heintz, Joos: *See*—  
Ganahl, Alfred. 2,713,755.
- Heintz, Karl O., J. H. Dunaway, and A. A. Chernosky, to Esso Research and Engineering Co. 2,718,707, Cl. 33—215.
- Heintz Mfg. Co.: *See*—  
Meinel, William J. 2,703,702.
- Schlecht, Charles H., and Bowden. 2,708,512.
- Trautvetter, George. 2,723,445.
- Wolf, Robert W. 2,706,577.
- Wolf, Robert W. 2,721,661.
- Heintz, Milton L.: *See*—  
Tilli, Vincent L., and Heintz. 2,711,460.
- Heintz, Milton L., to General Electric Co. 2,717,288, Cl. 200—97.
- Heintz, Ralph M., to Jack & Heintz, Inc. 2,700,740, Cl. 310—227.
- Heintz, Ralph M., to Jack & Heintz, Inc. 2,706,260, Cl. 310—54.



- Heintzmann, Hans F., and W. Stuhlmann, to Bochumer Eisen-  
hütte Heintzmann & Co. 2,713,774, Cl. 61—45.
- Heinz, H. J., Co.: *See*—  
Stimpson, Robert H. 2,711,850.  
Stimpson, Robert H., and Anderson. 2,716,609.
- Heinze, Fred. 2,704,855, Cl. 15—257.
- Heise, Hermann. 2,724,393, Cl. 134—58.
- Heiser, Ferdinand F.: *See*—  
McCarty, Lourdes V., and Heiser. 2,719,673.
- Heisig, Theodore C.: *See*—  
Lyons, Joseph F., and Heisig. 2,721,846.
- Heisig, Theodore C., and R. L. Murphey, to The Texas Co.  
2,710,842, Cl. 252—75.
- Heiskell, Charles P., 2,704,051, Cl. 119—52.
- Heiskell, Raymond H. 2,714,061, Cl. 52—2.
- Heiskell, Raymond H. 2,716,599, Cl. 52—2.
- Heiskell, Raymond H. 2,726,943, Cl. 52—2.
- Heiskell, Raymond H. 2,726,944, Cl. 52—2.
- Heiskell, Theodore W., and A. Farmer, to Columbia-Southern  
Chemical Corp. 2,705,219, Cl. 204—128.
- Heiskell, Theodore W., and E. C. Workman, to Columbia-  
Southern Chemical Corp. 2,725,409, Cl. 260—650.
- Heisler, Edward G., and A. S. Hunter, to the United States  
of America as represented by the Secretary of Agriculture.  
2,704,260, Cl. 99—207.
- Heisler, Harry F. 2,714,436, Cl. 192—48.
- Heisler, Harry F. 2,714,503, Cl. 261—78.
- Heisterkamp, Charles A., W. G. Menhennett, M. Dann, and  
J. Harp, to American Home Products Corp. 2,698,478,  
Cl. 29—208.
- Heitmüller, Hanfried, and P. Orlich, to P. F. Peddinghaus.  
2,710,559, Cl. 88—22.5.
- Heitshu, Daniel C., to Deere & Co. 2,719,395, Cl. 56—23.
- Heitzig, Frederick F. 2,711,123, Cl. 97—26.
- Heizer, Edward J., to Specialties Development Corp.  
2,717,128, Cl. 242—72.
- Helbig, Hugo, to Moeller Mfg. Co. 2,718,974, Cl. 215—54.
- Helburn, Betsy. 2,720,766, Cl. 65—53.
- Held, Lawrence L.: *See*—  
Layne, Mark B., and Held. 2,705,167.  
Layne, Mark B., and Held. 2,720,132.
- Heldenbrand, Larence E. 2,714,872, Cl. 119—98.
- Heldt, Norman A., to Ex-Cell-O Corp. 2,712,686, Cl. 29—105.
- Helfenberger, Hans, and W. Hagenbuch, to Sandoz A. G.  
2,726,133, Cl. 8—127.5.
- Helfinstine, Orville C.: *See*—  
Reasoner, Richard C., and Helfinstine. 2,710,019.
- Helgason, Arni: *See*—  
Guzzo, Joseph, and Helgason. 2,706,280.
- Helgeby, Ralph O.: *See*—  
Mitchel, Ralph H., and Helgeby. 2,725,493.
- Helgeby, Ralph O., to General Motors Corp. 2,702,520, Cl.  
116—129.
- Helgeson, Angus G., to The National Cash Register Co.  
2,724,554, Cl. 235—130.
- Helin, Eero E. 2,723,458, Cl. 33—115.
- Helio Aircraft Corp.: *See*—  
Koppen, Otto C. 2,719,014.
- Hellebusch, Jack. 2,719,655, Cl. 222—572.
- Heller, Frank J., to Phillips Petroleum Co. 2,709,715, Cl.  
260—761.
- Heller, George L., to Columbian Carbon Co. 2,705,190,  
Cl. 23—259.5.
- Heller, John K., to Gas Systems, Inc. 2,708,947, Cl.  
137—612.1.
- Heller, John K., to Gas Systems, Inc. 2,728,329, Cl. 122—448.
- Heller, Karl, and H. Stumpf, to Carl von der Crone & Co.  
2,707,780, Cl. 340—321.
- Heller, Laszlo, to "Licencia" Talalmanyokat Ertekessito Val-  
alat. 2,718,755, Cl. 60—39.18.
- Heller, Leland S. 2,720,901, Cl. 146—160.
- Heller, Lewis W., to The Babcock & Wilcox Co. 2,715,546,  
Cl. 299—120.
- Heller, Maximilian. 2,725,580, Cl. 5—186.
- Heller, Paul R.: *See*—  
Baudry, René A., and Heller. 2,707,243.  
Kilgore, Lee A., Baudry, and Heller. 2,707,244.
- Heller, Robert M., to Watts Electric & Mfg. Co. 2,704,833,  
Cl. 339—128.
- Heller, Robert M. 2,704,834, Cl. 339—128.
- Heller, Robert M. 2,704,835, Cl. 339—188.
- Hellerbach, Joseph, to Hoffmann-La Roche Inc. 2,719,150,  
Cl. 260—240.
- Hellgren, Gustaf H. 2,715,496, Cl. 235—60.31.
- Hellings, Simon J., to Hartford National Bank and Trust Co.,  
trustee. 2,725,557, Cl. 343—17.1.
- Hellman, Nison N.: *See*—  
Tsuchiya, Henry M., Hellman, and Koepsell. 2,724,679.
- Hellman, Nison N., H. M. Tsuchiya, S. P. Rogovin, R. W.  
Jackson, and F. R. Senti, to the United States of America  
as represented by the Secretary of Agriculture. 2,726,985,  
Cl. 195—31.
- Hellman, Rune S.: *See*—  
Smith, Frederick E., and Hellman. 2,699,907.
- Hellström, Axel G., to Aktiebolaget Elektrolux. 2,721,455,  
Cl. 62—119.5.
- Helm, Edwin H., to The Dia-Log Tubular Survey Co.  
2,716,541, Cl. 255—1.8.
- Helm, James P.: *See*—  
Rooney, Elwin H. 2,725,712.
- Helmer, Norman D.: *See*—  
Montgomery, Maxson H., and Helmer. 2,723,050.
- Helmets Ltd.: *See*—  
Turner, Maud L. 2,715,227.
- Helmick, Charles G., Jr., and S. J. Campbell, to Westinghouse  
Electric Corp. 2,727,694, Cl. 241—37.
- Helmick, Frederick E., to Baljak Corp. 2,718,999, Cl.  
229—35.
- Helmig, Willem H. T., and T. Reumerman. 2,722,378, Cl.  
235—86.
- Helzel, Reuben H., to General Register Corp. 2,720,831, Cl.  
101—68.
- Helsten, Wesley A., to American Steel Foundries. 2,708,492,  
Cl. 188—218.
- Helton, William H. 2,709,860, Cl. 37—191.
- Heltzel, Carl J.: *See*—  
Heltzel, John N. 2,698,560.
- Heltzel, John N., deceased; The Union Savings & Trust Co.,  
and C. J. Heltzel, executors. 2,698,560, Cl. 94—18.
- Helvey, Henry G., Jr., and C. H. Hendrick. 2,720,415, Cl.  
296—95.
- Helwith, Alfred L. 2,720,226, Cl. 139—426.
- Hemmer, Anton V., to Solar Aircraft Co. 2,713,195, Cl.  
29—157.
- Hemmeter, George T. 2,728,236, Cl. 74—16.
- Hemming, Charles B.: *See*—  
Sheffield, William H., Koeniger, and Hemming. 2,714,559.
- Hemminger, Charles E., to Esso Research and Engineering  
Co. 2,707,701, Cl. 196—52.
- Hemminger, Charles E., E. W. S. Nicholson, and A. Voorhies,  
Jr., to Standard Oil Development Co. 2,701,787, Cl. 202—12.
- Hemminger, Paul W.: *See*—  
Bellamy, John I., and Hemminger. 2,715,719.
- Hemminger, Paul W., and J. I. Bellamy, to International  
Telephone and Telegraph Corp. 2,700,071, Cl. 179—18.
- Hemminger, Paul W., and G. P. Freeman. 2,724,323, Cl.  
99—346.
- Hempel, Arthur C. 2,726,418, Cl. 15—210.
- Hempel, Herbert W., to Marsh Stencil Machine Co. 2,727,570,  
Cl. 164—42.
- Hemphill, Alfred A., and J. M. Tewksbury, to Bendix Avia-  
tion Corp. 2,718,003, Cl. 343—114.
- Hemphill Co.: *See*—  
Bouthillette, Antonio, and St. Pierre. 2,709,351.  
Green, Isaac H. C. Re. 23,928.  
Green, Isaac H. C. Re. 23,929.  
Green, Isaac H. C. 2,702,462.  
St. Pierre, Eugene, and Wawzonek. 2,719,417.  
St. Pierre, Eugene, and Wawzonek. 2,719,420.
- Hemphill, William B., to Mobil Oil Co., Inc. 2,725,534, Cl.  
333—28.
- Hemshrodt, Lorn R. 2,719,549, Cl. 143—43.
- Henchert, John, to Continental Can Co., Inc. 2,723,059,  
Cl. 222—534.
- Henchert, John, to Continental Can Co., Inc. 2,727,537, Cl.  
138—74.
- Henchert, John, to Continental Can Co., Inc. 2,727,652, Cl.  
220—77.
- Hencke, William R., and E. L. Cole, to The Texas Co.  
2,714,168, Cl. 250—43.5.
- Hencken, Harold G., to Taco Heaters, Inc. 2,722,942, Cl.  
137—197.
- Hencken, Harold G., and R. T. Schoerner, to Taco Heaters,  
Inc. 2,713,973, Cl. 237—63.
- Hendel, Carl E.: *See*—  
Griffiths, Francis P., Kilpatrick, Harrington, Hendel, and  
Olson. 2,705,679.
- Henderson, Charles F. and M. M. 2,724,834, Cl. 2—13.
- Henderson, Henry W., to Northrop Aircraft, Inc. 2,704,675,  
Cl. 285—25.
- Henderson, J. Alvin, to International Telephone and Telegraph  
Corp. 2,726,329, Cl. 250—27.
- Henderson, John L. 2,707,816, Cl. 29—69.
- Henderson, Marguerite M.: *See*—  
Henderson, Charles F. and M. M. 2,724,834.
- Henderson, Minnis W. 2,717,096, Cl. 220—40.
- Henderson, Ray M. 2,701,453, Cl. 62—106.
- Henderson, R. H.: *See*—  
Thornton, Phillip H., Jr., and P. H. Thornton, III.  
2,706,882.
- Henderson, Robert D. 2,712,350, Cl. 157—1.22.
- Henderson, Stanford A., to Gomco Surgical Mfg. Corp.  
2,727,678, Cl. 230—69.
- Henderson, Stanley T.: *See*—  
Ranby, Peter W., and Henderson. 2,726,214.
- Henderson, Wade H. 2,713,722, Cl. 33—74.
- Henderson, Wayne L., and J. E. Haymaker, to General Elec-  
tric Co. 2,704,181, Cl. 229—37.
- Henderson, Wayne L. R., to General Electric Co. 2,713,666,  
Cl. 336—160.
- Hendrich, Henry A., and A. E. Gray, to International Business  
Machines Corp. 2,702,428, Cl. 29—464.
- Hendrich, Robert T., and D. L. O'Brien, Jr., to The Wire  
Coating & Mfg. Co. 2,701,186, Cl. 41—43.
- Hendrick, Cleveland H.: *See*—  
Helvey, Henry G., Jr., and Hendrick. 2,720,415.
- Hendricks, Alvin F., to Lynch Corp. 2,725,154, Cl. 214—658.
- Hendricks, Grant W., to Union Oil Co. of California.  
2,728,710, Cl. 196—28.
- Hendrickson, Arnold P., to Remington Rand Inc. 2,708,693,  
Cl. 179—100.2.
- Hendrickson, James M., to The Murray Corp. of America.  
2,714,724, Cl. 4—57.
- Hendrickson, Joseph M. 2,704,471, Cl. 81—51.3.
- Hendrickson, Robert C.: *See*—  
Gilchrist, Allan E., Harrup, Hendrickson, and Rehor.  
2,722,523.
- Hendrixson, Widener W. 2,713,751, Cl. 47—33.



- Hendry, James W., to Tube Turns Plastics, Inc. 2,705,342, Cl. 18—30.
- Hendry, James W., to Tube Turns Plastics, Inc. 2,705,343, Cl. 18—30.
- Henecka, Hans, to Farbenfabriken Bayer Aktiengesellschaft. 2,723,268, Cl. 260—285.
- Hengstebeck, Robert J.: *See—*  
Russum, Leonard W., and Hengstebeck. 2,728,798.
- Hengstler, Charles, to The Singer Mfg. Co. 2,715,376, Cl. 112—147.
- Henion, Henry M. 2,700,169, Cl. 14—72.
- Henke, Alfred M.: *See—*  
McKinley, Joseph B., and Henke. 2,726,148.
- Henke, Carl E., to R. C. and J. L. Switzer. 2,718,016, Cl. 9—8.
- Henke, Carl E., to R. C. and J. L. Switzer. 2,722,347, Cl. 222—570.
- Henkel & Cie., G. m. b. H.: *See—*  
Blaser, Bruno, and Tischbirek. 2,716,114.  
Blaser, Bruno, and Tischbirek. 2,716,115.  
Henkel, Konrad, Gündel, and Kirstahler. 2,700,617.  
Pietsch, Helmut. 2,708,198.  
Pietsch, Helmut, and Nagel. 2,708,200.
- Henkel, Karl. 2,711,305, Cl. 255—51.
- Henkel, Konrad, W. Gündel, and A. Kirstahler, to Henkel & Cie. G. m. b. H. 2,700,617, Cl. 106—186.
- Henley, Alton B.: *See—*  
Harris, Howard B., and Henley. 2,723,679.
- Henley, Dan L. 2,724,462, Cl. 188—82.6.
- Henley, Edward J., to American Telephone and Telegraph Co. 2,713,122, Cl. 250—36.
- Henley, Edward J., to American Telephone and Telegraph Co. 2,714,701, Cl. 323—22.
- Henley, Robert H.: *See—*  
Pennington, Neal A. 2,700,537.  
Pennington, Neal A. 2,723,837.
- Henley, Wesley W. 2,722,149, Cl. 81—59.1.
- Henley's Tyre & Rubber Co. Ltd.: *See—*  
Penn, William S., and Thornley. 2,702,773.
- Henn, Albert C.: *See—*  
Peterson, Harry W., Jr., Henn, and Gathman. 2,719,105.
- Hennelly, Walter L. 2,700,788, Cl. 16—86.
- Hennessey, John H., and P. J. Choquette, to General Aniline & Film Corp. 2,722,489, Cl. 117—126.
- Hennessey, Walter F., Jr.: *See—*  
Swanson, George J., and Hennessey. 2,719,736.
- Hennessey, Walter F., Jr., and G. J. Swanson, to Bendix Aviation Corp. 2,719,876, Cl. 174—77.
- Hennessey, James J., to Hennessy Lubricator Co., Inc. 2,702,731, Cl. 308—84.
- Hennessey, James J., to Hennessy Lubricator Co., Inc. 2,705,665, Cl. 308—84.
- Hennessey, James J., to Hennessy Lubricator Co., Inc. 2,714,023, Cl. 286—6.
- Hennessy Lubricator Co., Inc.: *See—*  
Hennessy, James J. 2,702,731.  
Hennessy, James J. 2,705,665.  
Hennessy, James J. 2,714,023.
- Henney, Charles F., to General Motors Corp. 2,722,106, Cl. 62—6.
- Henney Motor Co., Inc.: *See—*  
Lagerstrom, Robert C. 2,721,625.  
Osborn, Ralph C. 2,721,624.  
Waller, Lyle G. 2,707,792.  
Witherell, Robert R. 2,724,433.
- Hennig, Albert. 2,714,374, Cl. 123—59.
- Hennig, Harvey: *See—*  
Polkins, Hillis O., Miller, and Hennig. 2,709,639.
- Hennig, Harvey, to The Pure Oil Co. 2,727,853, Cl. 196—49.
- Henning, Frederick W., to Westinghouse Electric Corp. 2,711,070, Cl. 60—35.6.
- Henning, George E., to Western Electric Co., Inc. 2,722,716, Cl. 18—12.
- Henning, Otto, to Carter Carburetor Corp. 2,703,229, Cl. 261—23.
- Henning, Otto, to Carter Carburetor Corp. 2,718,386, Cl. 261—23.
- Henning, Otto, to Carter Carburetor Corp. 2,728,563, Cl. 261—23.
- Henning, William W.: *See—*  
Bechman, William O., Land, Baker, and Henning. 2,716,907.
- Henning, William W., to International Harvester Co. 2,718,437, Cl. 303—54.
- Henningsgard, Russell W. 2,700,930, Cl. 101—128.2.
- Henoeh, Rolph E., and S. E. Blas. 2,703,407, Cl. 4—1.
- Henquet, André J., and E. P. M. Gaugain, to International Standard Electric Corp. 2,719,882, Cl. 179—16.
- Henrich, Robert. 2,704,563, Cl. 150—1.5.
- Henrich, William H., to Sorensen & Co., Inc. 2,714,186, Cl. 318—118.
- Henrichsen, Knut, to North American Aviation, Inc. Re. 23,993, Cl. 103—162.
- Henrichsen, Knut, to North American Aviation, Inc. 2,723,649, Cl. 121—157.
- Henricks, Jack L.: *See—*  
Schleyer, Victor, and Henricks. 2,712,826.  
Schleyer, Victor, Henricks, and Baxter. 2,726,853.
- Henricks, John A. Re. 24,017, Cl. 148—6.15.
- Henrickson, Henry G., to Kaiser Aluminum & Chemical Corp. 2,720,289, Cl. 189—34.
- Henrickson, Henry G., to Kaiser Aluminum & Chemical Corp. 2,720,290, Cl. 189—36.
- Henrickson, Robert B.: *See—*  
Rees, Herbert L., and Henrickson. 2,706,687.
- Henrikson, Bror W.: *See—*  
Dexter, John C., Henrikson, and Humphries. 2,706,517.
- Henrikson, Bror W., to American Seating Co. 2,711,210, Cl. 155—128.
- Henrikson, Oscar W., to Automatic Electric Laboratories, Inc. 2,722,635, Cl. 317—171.
- Henrikson, Thor O., to Pacific Car and Foundry Co. 2,719,729, Cl. 280—145.
- Henriksson, Karl G. W. 2,726,898, Cl. 299—144.
- Henry, Augustus P.: *See—*  
Rishel, Robert L., and Henry. 2,718,877.
- Henry, Clarence B. 2,708,359, Cl. 72—107.
- Henry, Earle G., to R. T. Moloney. 2,715,531, Cl. 273—129.
- Henry, Elliott A., to Sperry Products, Inc. 2,705,422, Cl. 73—67.
- Henry, Georges, ½ to J. Esswein. 2,701,345, Cl. 336—67.
- Henry, Georges, and E. Brichard. 2,711,837, Cl. 214—152.
- Henry, Georges, and E. Brichard, ½ to Union des Verreries Mecaniques Belges. 2,718,096, Cl. 49—54.
- Henry, Glenn C. 2,712,179, Cl. 30—248.
- Henry, Guy J. 2,718,373, Cl. 251—357.
- Henry and Henry, Inc.: *See—*  
Lopata, Ira L. 2,702,655.
- Henry, John W.: *See—*  
Sparks, Warren A. 2,709,354.
- Henry, Nelson B., to R. Feldser. 2,702,659, Cl. 226—127.
- Henry Valve Co., Inc.: *See—*  
Jones, Evan. 2,710,021.
- Henry, Walter N. 2,709,570, Cl. 254—18.
- Henry, William V., to American Enka Corp. 2,728,529, Cl. 242—55.
- Henrysson, Karl R. 2,710,553, Cl. 82—36.
- Henschel, Christian J. 2,703,266, Cl. 311—103.
- Henschke, John J., Jr., to Olin Mathieson Chemical Corp. 2,725,823, Cl. 102—28.
- Hensel, Bernard, to Loewe Opta Aktiengesellschaft. 2,708,725, Cl. 313—82.
- Hensel, Erich. 2,721,470, Cl. 70—346.
- Hensel, Herman S., and J. C. Fennelly. 2,703,451, Cl. 30—351.
- Hensel, Jack: *See—*  
Williams, Gordon M., and Hensel. 2,728,771.
- Hensel, Otto: *See—*  
Heyna, Johannes, Hensel, and Schnorrenberg. 2,728,762.
- Hensel, Waldo G., to Bell Telephone Laboratories, Inc. 2,706,783, Cl. 250—36.
- Henseleit, Georg, to Koppers Co., Inc. 2,712,463, Cl. 292—1.
- Hensgen, Bernard T.: *See—*  
Adams, Jack, Hensgen, and Clemens. 2,718,906.
- Hensgen, Bernard T., to Swift & Co. 2,727,616, Cl. 198—33.
- Hensgen, Bernard T., and J. C. V. Bosch, A. M. Lederer, and P. M. Wood, to Swift & Co. 2,717,212, Cl. 99—116.
- Henshaw, David G., to The Honorary Advisory Council for Scientific and Industrial Research. 2,701,092, Cl. 230—122.
- Henshaw, Langford W. 2,725,941, Cl. 166—184.
- Henshaw, William T. 2,703,219, Cl. 254—158.
- Hensler, Louis. 2,710,744, Cl. 259—157.
- Hensley, Clyde C. 2,705,380, Cl. 37—145.
- Hensley, Lee C., to General Aniline & Film Corp. 2,701,766, Cl. 95—88.
- Henss, Richard W.: *See—*  
Hartsock, Robert E., and Henss. 2,710,572.
- Henter, Mathias, to Allis-Chalmers Mfg. Co. 2,701,171, Cl. 308—160.
- Heotis, Charlotte M.: *See—*  
Gruzensky, William G., and Heotis. 2,717,700.
- Hepburn, Robert: *See—*  
Thomson, William, Leith, and Hepburn. 2,722,405.
- Hepola, Arne A. 2,726,641, Cl. 121—38.
- Hepp, Karl: *See—*  
Depmer, Wilhelm, Hepp, and Koenig. 2,707,712.
- Heppenstall Co.: *See—*  
Heppenstall, Max R. 2,701,736.  
Succop, John A. 2,707,680.
- Heppenstall, Max R., to Heppenstall Co. 2,701,736, Cl. 294—94.
- Heppenstall, Thomas E.: *See—*  
Mottet, Arthur L., Heppenstall, and Kletsch. 2,710,276.
- Hepperle, Curtis M., to Collins Radio Co. 2,724,112, Cl. 343—18.
- Hepworth, Daniel R. 2,698,646, Cl. 155—1.
- Heraeus, W. C. G. m. b. H., Platinschmelze: *See—*  
Vanvor, Herbert. 2,703,833.
- Herard, Archibald J., Jr., to Crompton & Knowles Loom Works. 2,707,973, Cl. 139—111.
- Herard, Archibald J., Jr., to Crompton & Knowles Loom Works. 2,712,832, Cl. 139—68.
- Herber, Pierre, to Western Precipitation Corp. 2,711,224, Cl. 183—7.
- Herbert, Edward J. 2,713,807, Cl. 88—39.
- Herbert, Jacob. 2,715,821, Cl. 63—14.
- Herbert, John W., to Calcinator Corp. 2,715,880, Cl. 110—18.
- Herbes, Ambrose W., to The Ruberoid Co. 2,724,872, Cl. 20—5.
- Herbold, Robert J., to L. M. Hughes. 2,712,694, Cl. 33—23.
- Herbold, Robert J., to Winger Dairy Products Processing & Mfg. Corp. 2,713,818, Cl. 99—253.
- Herbst, Irvin, to American Steel Foundries. 2,713,493, Cl. 279—4.
- Herbst, Robert S., to General Electric Co. 2,699,922, Cl. 257—8.
- Herbst, Seymour, and M. H. Bergman. 2,708,383, Cl. 81—60.



- Hercules Fasteners, Inc.: *See*—  
Frank, Joseph J., and Macy. 2,726,701.
- Hercules Mfg. Co., Inc.: *See*—  
Sofio, Edward G. 2,709,281.
- Hercules Motors Corp.: *See*—  
Kuepfer, Matthew C., Horiak, and Bouchez. 2,709,425.
- Hercules Powder Co.: *See*—  
Armstrong, Godfrey P., Bewley, and Cooke. 2,720,549.  
Armstrong, Godfrey P., Bewley, and Cooke. 2,728,793.  
Armstrong, Godfrey P., Bewley, and Cooke. 2,728,795.  
Bechtel, Robert J. 2,716,631.  
Bewley, Thomas. 2,727,074.  
Bewley, Thomas, Bowen, Bramwyche, and Jackson. 2,715,145.  
Brown, Werner C. 2,727,934.  
Buntin, George A. 2,725,332.  
Buntin, George A. 2,725,333.  
Burt, Leland H. 2,728,676.  
Coleman, Homer W. 2,725,821.  
Conner, Joshua C., Jr. 2,718,530.  
Conner, Joshua C., Jr. 2,719,864.  
Diveley, William R. 2,725,327.  
Diveley, William R., and Lehr. 2,725,328.  
Feild, George B., Markwood, Jr., and Taylor. 2,722,340.  
Filar, Leo J. 2,728,797.  
Franklin, Ernest M. 2,719,325.  
Fravel, William H. F. 2,716,669.  
Glasebrook, Arthur L. 2,710,878.  
Gloor, Walter E. 2,728,724.  
Gloor, Walter E. 2,728,725.  
Glover, Robert S., Jr. 2,724,705.  
Greenwell, Richard H. 2,720,981.  
Gregory, George P. 2,727,837.  
Haubein, Albert H. 2,725,329.  
Haubein, Albert H. 2,725,330.  
Haubein, Albert H. 2,725,331.  
Hawkins, Edwin G. E., Quin, and Salt. 2,715,646.  
Hewson, William B. 2,705,689.  
Hewson, William B. 2,710,288.  
Hoffmann, Alfred N., and Montgomery. 2,727,885.  
Hulse, George E. 2,722,520.  
Janelid, Ingvar. 2,725,822.  
Johnson, Wallace B. 2,722,528.  
Klug, Eugene D., and Spurlin. 2,714,591.  
Lorand, Eugene J. 2,713,599.  
Lorand, Eugene J. 2,724,729.  
Markwood, William H., Jr., and Taylor. 2,722,493.  
McTigue, Frank H. 2,722,487.  
Miller, Herbert C., Jr. 2,715,124.  
Pieper, Josef H. 2,718,528.  
Pyle, George H. 2,711,965.  
Ralston, Robert H. 2,722,492.  
Ritchie, Paul F. 2,703,796.  
Ritchie, Paul F. 2,703,809.  
Ropp, Walter S. 2,727,871.  
Ropp, Walter S. 2,727,872.  
Ropp, Walter S. 2,727,873.  
Rummelsburg, Alfred L. 2,720,513.  
Rummelsburg, Alfred L. 2,720,514.  
Saunders, Robert H. 2,727,919.  
Segl, Walter E. 2,698,789.  
Shapleigh, James H. 2,707,147.  
Shapleigh, James H. 2,708,621.  
Snyder, John C. 2,710,879.  
Stuart, Joseph, II. 2,720,982.  
Taves, Milton A. 2,727,921.  
Thompson, Mortimer S. 2,710,844.  
Thompson, Mortimer S. 2,710,845.  
Vahdenberg, Edwin J. 2,728,796.  
Voris, Robert S. 2,716,615.  
Weisgerber, Cyrus A. 2,702,822.  
Weisgerber, Cyrus A. 2,721,140.
- Herd, John A., to The British Thomson-Houston Co. Ltd. 2,720,605, Cl. 310—194.
- Hereld, Peter C.: *See*—  
Kreysa, Frank J., and Hereld. 2,716,659.
- Hereth, Walter A.: *See*—  
Pawley, Myron G., Parker, and Hereth. 2,706,287.
- Hergenrother, Rudolf C., to Raytheon Mfg. Co. 2,713,647, Cl. 315—12.
- Herider, Elmer A., to Rockwell Spring and Axle Co. 2,722,975, Cl. 155—179.
- Heritage, Clark C., and W. G. Van Beckum, to Weyerhaeuser Timber Co. 2,701,255, Cl. 260—435.
- Herkenhoff, Earl C., to Pickands Mather & Co. 2,710,691, Cl. 209—223.
- Herlec Corp.: *See*—  
Rubinstein, Harry W. 2,702,364.
- Herlihy, William F., to Lowell Counter Co. 2,714,733, Cl. 12—142.
- Herlin, Melvin A., to the United States of America as represented by the Secretary of the Navy. 2,708,222, Cl. 200—36.
- Herman, Clairmont J.: *See*—  
Willits, Glenn D., and Herman. 2,701,316.
- Herman, Clairmont J., to General Electric Co. 2,701,317, Cl. 310—215.
- Herman, Dick R.: *See*—  
Northrop, John K., Brosterhouse, Dunn, Ellison, and Herman. 2,724,966.
- Herman, Dick R., to Northrop Aircraft, Inc. 2,727,428, Cl. 88—16.
- Herman, Francis. 2,707,937, Cl. 119—29.
- Herman, Irving: *See*—  
Norton, William C., and Herman. 2,724,334.
- Herman, Moe and S. 2,717,406, Cl. 15—244.
- Herman Pneumatic Machine Co.: *See*—  
Johnston, Loyal L. 2,701,900.  
Johnston, Loyal L., and Orr. 2,705,352.
- Herman, Sam: *See*—  
Herman, Moe and S. 2,717,406.
- Herman, William F., and C. A. Chabot, Jr., to American Optical Co. 2,728,106, Cl. 18—39.
- Hermann, Albert, to Dynamit-Actien-Gesellschaft vormals Alfred Nobel & Co. 2,726,072, Cl. 261—11.
- Hermann, Edward C., to E. I. du Pont de Nemours and Co. 2,714,111, Cl. 260—332.2.
- Hermann, Matthias: *See*—  
Stutzer, Hans, Wattler, and Hermann. 2,712,657.
- Hermanson, Raymond W., to Tubing Appliance Co., Inc. 2,700,315, Cl. 81—183.
- Hermelin, Victor M. 2,714,084, Cl. 167—82.
- Hermes, Willem, to Hartford National Bank and Trust Co., trustee. 2,719,191, Cl. 179—171.
- Hermesse, Joseph M. J.: *See*—  
Braconier, Frédéric F. A., and Hermesse. 2,727,049.
- Hermitage, William R. 2,728,545, Cl. 248—120.
- Hermoplast Ltd.: *See*—  
Eisler, Paul. 2,703,854.  
Eisler, Paul. 2,706,697.
- Hernández G., Guillermo. 2,699,245, Cl. 197—171.
- Herndon, Lee R., Jr., C. A. Piper, and A. M. Smith, to Bendix Aviation Corp. 2,713,795, Cl. 73—384.
- Herndon, Lee R., Jr., to Bendix Aviation Corp. 2,713,796, Cl. 73—398.
- Herndon, Lyle K., to The Fluor Corp., Ltd. 2,703,749, Cl. 23—278.
- Herndon, Walter B., to General Motors Corp. 2,713,798, Cl. 74—336.5.
- Herndon, Walter B., and A. H. Borman, to General Motors Corp. 2,726,746, Cl. 192—3.5.
- Herold, James L.: *See*—  
Wehmiller, Frederick W., and Herold. 2,716,478.
- Herr, Benjamin F., to Armstrong Cork Co. 2,725,653, Cl. 41—1.
- Herr Equipment Corp., The: *See*—  
Herr, Richard F. 2,711,862.  
Herr, Richard F. 2,723,805.
- Herr, Harold W. 2,706,321, Cl. 25—127.
- Herr, John A.: *See*—  
Turner, Edgar P., and Herr. 2,718,566.
- Herr, John D. 2,707,660, Cl. 308—89.
- Herr, Richard F., to The Herr Equipment Corp. 2,711,862, Cl. 242—72.
- Herr, Richard F., to The Herr Equipment Corp. 2,723,805, Cl. 242—72.
- Herrbach, Paul: *See*—  
Drisch, Nicolas, and Herrbach. 2,705,184.  
Drisch, Nicolas, and Herrbach. 2,728,631.
- Herregarden, Kjell. 2,705,646, Cl. 280—96.2.
- Herrera, José A.: *See*—  
McKenna, Ralph E., and Herrera. 2,700,187.
- Herres, Schuyler A., and R. L. Southern, to Allegheny Ludlum Steel Corp. 2,708,770, Cl. 18—12.
- Herres, Schuyler A., and T. K. Redden, to Allegheny Ludlum Steel Corp. 2,718,465, Cl. 75—175.5.
- Herrick, Clifford E., Jr., and A. K. Balk, to General Aniline & Film Corp. 2,699,392, Cl. 95—7.
- Herrick, Clifford E., Jr., and A. K. Balk, to General Aniline & Film Corp. 2,703,756, Cl. 95—7.
- Herrick, Elbert C.: *See*—  
Arnold, Herrick R., and Herrick. 2,726,218.
- Herrick, Elbert C., and C. W. Todd, to E. I. du Pont de Nemours & Co. 2,723,972, Cl. 260—112.
- Herrick, Elbert C., and C. W. Todd, to E. I. du Pont de Nemours & Co. 2,723,973, Cl. 260—112.
- Herrick, George H., to Fairbanks, Morse & Co. 2,718,604, Cl. 310—232.
- Herrick, George H., to Fairbanks, Morse & Co. 2,724,067, Cl. 310—268.
- Herrick, Gerard P. 2,699,299, Cl. 244—7.
- Herrick, Gerard P. 2,712,911, Cl. 244—7.
- Herring-Hall-Marvin Safe Co.: *See*—  
Belew, Leland W. 2,722,179.  
Belew, Leland W. 2,723,177.
- Herrington, Harold W.: *See*—  
Ames, George W., and Herrington. 2,699,133.
- Herrlinger, Richard: *See*—  
Albrecht, Hans, and Herrlinger. 2,715,638.  
Albrecht, Hans, and Herrlinger. 2,715,639.
- Herrman, Bernard W., to The Champion Paper & Fibre Co. 2,728,223, Cl. 73—144.
- Herrmann, Heinrich: *See*—  
Lammerz Ernst, Herrmann, and Weissig. 2,706,952.
- Herrmann, Heinrich, to Fried. Krupp Locomotivfabrik. 2,723,570, Cl. 74—491.
- Herrmann, Karl L., to Roller Bearing Co. of America. 2,711,938, Cl. 308—217.
- Herrnstadt, Gerald E., to The Firth Carpet Co., Inc. 2,718,132, Cl. 66—191.
- Herro, Alexander C.: *See*—  
Freund, Ernest H., and Herro. 2,709,137.
- Herrschaft, William. 2,713,529, Cl. 311—83.
- Herschell, George C. 2,700,403, Cl. 144—2.
- Herscher, Marcus B., to the United States of America as represented by the Secretary of the Navy. 2,699,568, Cl. 16—82.



- Hersey, Arthur J. and K. J. 2,714,001, Cl. 267—20.  
 Hersey, Carl: *See*—  
   Way, Robert B., and Hersey. 2,725,035.  
 Hersey, Kenneth J.: *See*—  
   Hersey, Arthur J. and K. J. 2,714,001.  
 Hersey Mfg. Co.: *See*—  
   Harrington, George H. 2,706,488.  
 Hersey, Walter O., to Knickerbocker Plastic Co., Inc. 2,723,491, Cl. 46—191.  
 Hersey, Walter O., to Knickerbocker Plastic Co., Inc. 2,724,528, Cl. 222—79.  
 Hersch, Joseph B. 2,722,681, Cl. 340—388.  
 Hersh, Maria A., and A. Winkenbach. 2,706,562, Cl. 211—45.  
 Hersh, Seymour L.: *See*—  
   Suchow, Lawrence, and Hersh. 2,700,610.  
 Hershberger, William D., to Radio Corp. of America. 2,702,350, Cl. 250—36.  
 Hershberger, William D., to Radio Corp. of America. 2,702,351, Cl. 250—36.  
 Hershberger, William D., to Radio Corp. of America. 2,705,284, Cl. 250—36.  
 Hershberger, William D., to Radio Corp. of America. 2,712,068, Cl. 250—36.  
 Hershberger, William D., to Radio Corp. of America. 2,712,070, Cl. 250—36.  
 Hershberger, William D., to Radio Corp. of America. 2,714,660, Cl. 250—36.  
 Hershey, Elwood R., to Posey Iron Works. 2,707,315, Cl. 25—2.  
 Hershey, Gordon F.: *See*—  
   Colbry, Norman R., and Hershey. 2,699,576.  
 Hershey, Gordon F., to The Dow Chemical Co. 2,728,107, Cl. 18—47.2.  
 Hershey Machine & Foundry Co.: *See*—  
   Fisher, John F. 2,702,643.  
 Hershfield, Sanford: *See*—  
   Thomas, Charles E., Jr., and Hershfield. 2,712,604.  
 Hershfield, Sanford, and W. V. Foley, to The Glenn L. Martin Co. 2,721,939, Cl. 250—33.  
 Hershman, Gordon L., to International Harvester Co. 2,725,072, Cl. 137—377.  
 Hershner, Charles D. 2,727,450, Cl. 97—40.  
 Herson, Jacob L., S. R. Gilford, and S. Saito, to the United States of America as represented by the Secretary of the Navy. 2,702,353, Cl. 310—6.  
 Herson, Jacob S.: *See*—  
   Otto, Walter, and Herson. 2,715,219.  
 Hertel, Kenneth L., to the United States of America as represented by the Secretary of Agriculture. 2,706,403, Cl. 73—89.  
 Hertel, Kenneth L., to University of Tennessee Research Corp. 2,706,904, Cl. 73—38.  
 Herterick, Vincent R., to Wade Electric Products Co. 2,704,356, Cl. 339—188.  
 Herterick, Vincent R., to United-Carr Fastener Corp. 2,710,329, Cl. 219—20.  
 Herterick, Vincent R., to United-Carr Fastener Corp. 2,712,047, Cl. 200—159.  
 Hertrich, Joseph, to The Western States Machine Co. 2,704,157, Cl. 210—72.  
 Hertrich, Joseph, to The Western States Machine Co. 2,707,561, Cl. 210—63.  
 Hertrich, Joseph, to The Western States Machine Co. 2,708,035, Cl. 210—70.  
 Hertrich, Joseph, to The Western States Machine Co. 2,727,629, Cl. 210—67.  
 Hertrich, Joseph, to The Western States Machine Co. 2,727,630, Cl. 210—68.  
 Herts, John H. B., to Weisberg-Baer Co. 2,719,809, Cl. 154—118.  
 Hertzberg, H., & Son, Inc.: *See*—  
   Hertzberg, Ira. 2,712,473.  
 Hertzberg, Ira, to H. Hertzberg & Son, Inc. 2,712,473, Cl. 300—2.  
 Hervey, David E. 2,706,164, Cl. 154—45.9.  
 Hervert, George D., to Universal Oil Products Co. 2,728,683, Cl. 106—210.  
 Hervert, George L.: *See*—  
   Bloch, Herman S., and Hervert. 2,703,330.  
   Bloch, Herman S., and Hervert. 2,717,243.  
   Linn, Carl B., and Hervert. 2,698,864.  
 Hervey, Laurence R. B.: *See*—  
   Stott, Louis L., and Hervey. 2,698,966.  
 Herz, Armin J.: *See*—  
   Souczek, Ernst. 2,701,853.  
 Herz, Arthur H., and G. H. Keyes, to Eastman Kodak Co. 2,719,088, Cl. 95—8.  
 Herz, Benno: *See*—  
   Kopp, Seymour, and Herz. 2,703,821.  
 Herz, George P.: *See*—  
   Souczek, Ernst. 2,701,853.  
 Herz, Johannes. 2,713,317, Cl. 114—66.5.  
 Herzogh, Frank, to The B. F. Goodrich Co. 2,716,435, Cl. 152—209.  
 Herzer, Donald L.: *See*—  
   Owen, William K. 2,705,120.  
 Herzfeld, Richard P. 2,725,804, Cl. 95—18.  
 Herzog, Carl, to Western Electric Co., Inc. 2,698,502, Cl. 49—14.  
 Herzog, Gerhard: *See*—  
   Egan, Edmond F., and Herzog. 2,700,734.  
 Herzog, Gerhard, to The Texas Co. 2,702,865, Cl. 250—207.  
 Herzog, Gerhard, to The Texas Co. 2,711,483, Cl. 250—83.6.  
 Herzog, Gerhard, to The Texas Co. 2,714,167, Cl. 250—43.5.  
 Herzog, Gerhard, to The Texas Co. 2,722,610, Cl. 250—83.6.  
 Herzog, Gerhard, and A. S. McKay, to The Texas Co. 2,727,155, Cl. 250—83.6.  
 Herzog, Gerhard, A. H. Lord, Jr., and E. Pancake, to The Texas Co. 2,712,609, Cl. 250—83.6.  
 Herzog, Paul W.: *See*—  
   Russell, Mark N., and Herzog. 2,701,288.  
 Herzog, Philip C., and A. E. Gilchirst, to The Glidden Co. 2,709,689, Cl. 260—8.  
 Herzog, William S. 2,700,378, Cl. 123—65.  
 Hesch, Frederick H., to Kaiser Aluminum & Chemical Corp. 2,703,781, Cl. 204—29.  
 Hesch, Frederick H., to Kaiser Aluminum & Chemical Corp. 2,719,781, Cl. 41—42.  
 Heseltine, Donald W., and L. G. S. Brooker, to Eastman Kodak Co. 2,719,151, Cl. 260—240.1.  
 Hesler, Warren E., to Whiting Corp. 2,707,022, Cl. 159—27.  
 Hesperheide, Wilbur G., to Michigan Bumper Corp. 2,706,329, Cl. 29—196.6.  
 Hess, David C.: *See*—  
   Inghram, Mark G., and Hess. 2,710,354.  
 Hess, Emerson E. 2,723,165, Cl. 308—2.  
 Hess, Frederic O., to Selas Corp. of America. 2,711,309, Cl. 263—6.  
 Hess, Frederic O., and K. W. Fleischer, to Selas Corp. of America. 2,716,968, Cl. 122—510.  
 Hess, Heriberto L. 2,722,226, Cl. 134—83.  
 Hess, Howard V.: *See*—  
   Arnold, George B., and Hess. 2,707,192.  
 Hess, Newman W.: *See*—  
   Dacey, William F., Gregg, and Hess. 2,721,811.  
 Hess, Otto. 2,717,567, Cl. 112—235.  
 Hess, Theophil A., to Duro Metal Products Co. 2,704,463, Cl. 74—219.  
 Hess, William A., to The Standard Oil Co. 2,715,260, Cl. 29—238.  
 Hess, William D., to Servel, Inc. 2,711,088, Cl. 62—129.  
 Hess, William M. E. 2,703,723, Cl. 287—60.  
 Hessler, Herbert E., O. W. Rice, and R. F. Johnson. 2,720,231, Cl. 144—281.  
 Hesson, Charles M., to Chisholm-Ryder Co. of Pennsylvania. 2,722,333, Cl. 216—58.  
 Hesson, Charles W. 2,707,933, Cl. 118—38.  
 Hesson, James C., to Cardox Corp. 2,704,703, Cl. 23—260.  
 Hesson, James C., to Cardox Corp. 2,720,167, Cl. 102—25.  
 Hesson, James C., to Cardox Corp. 2,720,168, Cl. 102—25.  
 Hesson, James C., J. L. Smith, and J. A. Swanson, to Cardox Corp. 2,720,170, Cl. 102—25.  
 Hester, Clarence A. 2,719,664, Cl. 229—23.  
 Hester, Frank A., to Faximile, Inc. 2,717,191, Cl. 346—101.  
 Hester, Fred A. 2,725,936, Cl. 164—0.8.  
 Hester, H. R.: *See*—  
   Davis, George W. 2,703,946.  
 Heth, Sherman C., to J. I. Case Co. 2,701,941, Cl. 55—118.  
 Heth, Sherman C., to J. I. Case Co. 2,708,821, Cl. 56—119.  
 Heth, Sherman C., to J. I. Case Co. 2,709,116, Cl. 301—105.  
 Heth, Sherman C., to J. I. Case Co. 2,709,327, Cl. 56—21.  
 Hetherington, Alexander C., to The M. W. Kellogg Co. 2,717,023, Cl. 154—33.1.  
 Hethey, Axel. 2,706,840, Cl. 22—146.  
 Hetland, Julius M.: *See*—  
   Burbidge, Arden D., and Hetland. 2,700,453.  
 Hetrick, Harvey H.: *See*—  
   Marshall, Chester B., and Hetrick. 2,727,540.  
 Hetrick, James C., and W. T. Donaldson, to Ethyl Corp. 2,728,799, Cl. 260—648.  
 Hetrick, John W. 2,707,034, Cl. 189—31.4.  
 Hettich, Hugo. 2,728,188, Cl. 58—107.  
 Hettinger, Sidney V., Jr.: *See*—  
   Youngren, Harold T., English, and Hettinger. 2,699,076.  
   Youngren, Harold T., English, and Hettinger. 2,715,343.  
   Youngren, Harold T., English, and Hettinger. 2,720,298.  
 Hettinger, Sidney V., Jr., to Borg-Warner Corp. 2,711,749, Cl. 137—56.  
 Hettinger, Sidney V., Jr., and R. W. Wayman, to Borg-Warner Corp. 2,725,762, Cl. 74—688.  
 Hettrick, Ames B., to American Cyanamid Co. 2,721,787, Cl. 23—202.  
 Hetzel, George F., and H. A. Wilhelm, to Brown & Bigelow. 2,701,222, Cl. 154—116.  
 Hetzel, Max, to Bulova Watch Co. Inc., New York, Bienne Branch. 2,707,875, Cl. 73—6.  
 Hetzel, Max, to Bulova Watch Co. Inc., New York, Bienne Branch. 2,714,306, Cl. 73—6.  
 Hetzel, Stanford J., to Sun Oil Co. 2,698,869, Cl. 260—672.  
 Hetzler, Johannes. 2,724,327, Cl. 100—121.  
 Heudier, Charles, and M. Staub, to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey. 2,701,193, Cl. 71—37.  
 Heuer, Lawrence H.: *See*—  
   Redmond, Robert L., and Hener. 2,703,428.  
 Heupgen, Marcel, and G. Bortaux, to Societe Anonyme dite: Forges et Ateliers de Constructions Electriques de Jeumont. 2,725,416, Cl. 174—13.  
 Heuser, Henry V., to Henry Vogt Machine Co. 2,700,280, Cl. 62—106.  
 Heusler, Karl: *See*—  
   Miescher, Karl, Wettstein, and Heusler. 2,714,112.  
 Heuwing, Gerhard, to Werner & Pfleiderer. 2,719,495, Cl. 107—9.  
 Hewes, Ralph W., to General Railway Signal Co. 2,720,640, Cl. 340—225.  
 Hewit, William D.: *See*—  
   Bentz, Floyd P. 2,711,866.



- Hewitt, Alvin E.: *See*—  
Conroy, Addison B., and Hewitt. 2,726,682.
- Hewitt, Clarence T.: *See*—  
Boyd, Dean M. 2,708,264.
- Hewitt, Lowell C., and A. J. Paul, to Laclede-Christy Co. 2,704,419, Cl. 49—54.
- Hewitt, Maurice C. P.: *See*—  
Johnson, William E., and Hewitt. 2,728,289.
- Hewitt, Norman L.: *See*—  
Fain, Jacob M., and Hewitt. 2,716,067.  
Fain, Jacob M., and Hewitt. 2,716,068.
- Hewitt, William H., Jr., to Bell Telephone Laboratories, Inc. 2,714,182, Cl. 317—234.
- Hewlett-Packard Co.: *See*—  
Arms, Richard A. 2,699,597.  
Overacker, Horace E., and Hewlett. 2,724,799.
- Hewlett, Stanley J., and R. H. Wolfenden, to Measurement Ltd. 2,705,774, Cl. 324—137.
- Hewlett, William R.: *See*—  
Overacker, Horace E., and Hewlett. 2,724,799.
- Hewson, Robert L.: *See*—  
Waterfall, Frederick D., and Hewson. 2,711,981.
- Hewson, Sherman H.: *See*—  
Hammer, Marvin H., Dutro, and Hewson. 2,721,737.
- Hewson, William B., to Hercules Powder Co. 2,705,689, Cl. 117—62.
- Hewson, William B., to Hercules Powder Co. 2,710,288, Cl. 260—17.
- Hexagon Tool & Engineering Co.: *See*—  
Olsen, Niels H. F. 2,698,551.
- Heydenburg, Norman P.: *See*—  
Good, Walter A., and Heydenburg. 2,700,888.  
Good, Walter A., and Heydenburg. 2,704,644.
- Heyden Chemical Corp.: *See*—  
Klein, David X., and Benz. 2,723,290.  
Klein, David X., and Cake. 2,719,867.
- Heygel, Paul R., and E. G. Kaltenbach, to Ecusta Paper Corp. 2,711,861, Cl. 242—65.
- Heyman, Henry, and H. E. Adkins. 2,706,471, Cl. 123—90.
- Heyman, Herman S. 2,724,202, Cl. 43—15.
- Heyman Mfg. Co.: *See*—  
Klumpp, Ferdinand, Jr. 2,727,299.  
Klumpp, Ferdinand, Jr. 2,727,300.
- Heyman, Moses D., to Integrated Mica Corp. 2,703,598, Cl. 154—25.
- Heyman, Moses D., to Integrated Mica Corp. 2,705,456, Cl. 103—5.
- Heyman, Moses D., to Integrated Mica Corp. 2,708,032, Cl. 209—17.
- Heyman, Sam, to Aerovox Corp. 2,710,441, Cl. 29—25.42.
- Heymann, Erich, and G. Schmerling. 2,722,508, Cl. 204—44.
- Heymering, Marinus, and C. W. Hopkins, to Landis Machine Co. 2,700,167, Cl. 10—91.
- Heyna, Johannes, O. Hensel, and W. Schnorrenberg, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius and Brining. 2,728,762, Cl. 260—163.
- Heyne, Clarence A.: *See*—  
Jackson, Albert S., Heyne, Johnson, and McLaughlin. 2,718,847.
- Heyser, Donald L.: *See*—  
Cockrell, William S., and Heyser. 2,717,948.
- Heytow, Solomon, and R. H. Peterson. 2,712,040, Cl. 179—171.
- Heywang, Hermann, to Siemens & Halske Aktiengesellschaft. 2,714,565, Cl. 134—22.
- Heywood, Basil J., to Parke, Davis & Co. 2,718,521, Cl. 260—307.
- Heywood, Basil J., to Parke, Davis & Co. 2,718,527, Cl. 260—562.
- Heywood, Harold: *See*—  
Finkelstein, Theodor, and Heywood. 2,724,248.
- Heywood-Wakefield Co.: *See*—  
Magnuson, Karl K. 2,711,556.
- Hiatt, Gordon D.: *See*—  
Malm, Carl J., and Hiatt. 2,718,667.
- Hiatt, Richard R., to E. I. du Pont de Nemours and Co. 2,719,871, Cl. 260—668.
- Hibbard, Lloyd J., to Westinghouse Electric Corp. 2,709,758, Cl. 307—105.
- Hibbard, Lloyd J., to Westinghouse Electric Corp. 2,714,671, Cl. 307—90.
- Hibbard, Lloyd J., to Westinghouse Electric Corp. 2,722,572, Cl. 191—8.
- Hibbard, Robert L.: *See*—  
Brinsmade, Daniel S., and Hibbard. 2,728,356.
- Hibbs, Charlie C. 2,719,998, Cl. 15—172.
- Hibner, De Los E., Jr., and F. C. Arey, to Continental Foundry & Machine Co. 2,699,566, Cl. 15—317.
- Hibshman, Henry J., to Esso Research and Engineering Co. 2,724,717, Cl. 260—450.
- Hick, Hargreaves & Co., Ltd.: *See*—  
Arrowsmith, George. 2,722,920.
- Hicken, James: *See*—  
Cooper, Forrest, Jr., and Hicken. 2,715,782.  
Frankel, Burton L., Leiterman, and Hicken. 2,709,308.
- Hickernell, Fred A. 2,721,532, Cl. 116—94.
- Hickerson, R. T., Inc.: *See*—  
Hickerson, Ruric T. 2,705,491.
- Hickerson, Frederick R. 2,698,996, Cl. 30—123.
- Hickerson, Ruric T., to R. T. Hickerson, Inc. 2,705,491, Cl. 128—80.
- Hickey, Edward W. 2,721,511, Cl. 99—289.
- Hickey, George M., to J. Bishop & Co. Platinum Works. 2,722,932, Cl. 128—214.
- Hickey, James B., to the United States of America as represented by the Secretary of the Air Force. 2,702,372, Cl. 333—29.
- Hickey, John H. 2,707,212, Cl. 179—100.2.
- Hickey, John H. 2,711,594, Cl. 35—12.
- Hickey, John J. 2,704,669, Cl. 273—148.
- Hickey, William W.: *See*—  
Clark, Carleton L., Hickey, Kaiser, and Smith. 2,717,536.
- Hickman, Albert F., to Hickman Industries, Inc. 2,704,568, Cl. 155—50.
- Hickman, Albert F., to Hickman Developments, Inc. 2,704,664, Cl. 267—63.
- Hickman, Albert F., to Hickman Developments, Inc. 2,706,113, Cl. 267—21.
- Hickman, Albert F., to Hickman Industries Inc. 2,706,627, Cl. 267—57.
- Hickman, Clarence N., to the United States of America as represented by the Secretary of the Army. 2,701,525, Cl. 102—49.
- Hickman, Clarence N., to the United States of America as represented by the Secretary of War. 2,721,518, Cl. 102—49.
- Hickman, Clarence N., to the United States of America as represented by the Secretary of War. 2,724,237, Cl. 60—35.6.
- Hickman Developments, Inc.: *See*—  
Hickman, Albert F. 2,704,664.  
Hickman, Albert F. 2,706,113.
- Hickman, Earl L. 2,720,878, Cl. 128—80.
- Hickman Industries Inc.: *See*—  
Hickman, Albert F. 2,704,568.  
Hickman, Albert F. 2,706,627.
- Hickman, Paul: *See*—  
Catlin, Robert T., and Hickman. 2,700,764.
- Hickok, Glenn G., to Ionia Mfg. Co., Inc. 2,701,007, Cl. 155—145.
- Hickok, John E.: *See*—  
Haworth, Joseph P., Jonach, Hickok, and Matuszak. 2,701,754.
- Hickok, John E., G. S. Tobias, and R. V. J. McGee, to Esso Research and Engineering Co. 2,726,993, Cl. 196—44.
- Hickok Mfg. Co. Inc.: *See*—  
Wallace, William T. 2,718,043.
- Hicks, Drury F., Jr. 2,716,149, Cl. 174—94.
- Hicks, Elija M., Jr., to E. I. du Pont de Nemours & Co. 2,726,134, Cl. 8—151.2.
- Hicks, John S., to Socony-Vacuum Oil Co., Inc. 2,705,080, Cl. 214—17.
- Hicks, John W.: *See*—  
Anderson, Gordon R., and Hicks. 2,716,196.  
Smith, Philip N., and Hicks. 2,698,932.
- Hicks, Lawrence, to Organics, Inc. 2,698,855, Cl. 260—397.4.
- Hicks, Marcus T. 2,723,722, Cl. 169—26.
- Hicks, William E. 2,725,893, Cl. 137—350.
- Hicks, William W.: *See*—  
Beckett, John C., and Hicks. 2,727,978.  
Kercher, Arthur J. 2,713,099.  
Kercher, Arthur J. 2,713,100.
- Hicks, Willie G., to Gar Wood Industries, Inc. 2,701,666, Cl. 222—542.
- Hickson's Timber Impregnation Co. (G. B.) Ltd.: *See*—  
Cook, Charles D. 2,726,189.
- Hidde Nijland, Hendrik A., to N. V. "Coq." 2,700,718, Cl. 200—166.
- Hieger, Robert H. 2,700,432, Cl. 184—102.
- Hieger, Robert H. 2,705,123, Cl. 251—61.
- Hieronymus, John W., to The Johnson Corp. 2,700,558, Cl. 285—10.
- Hiertz, Arthur J., to Bridgeport Brass Co. 2,707,287, Cl. 4—287.
- Hiester, Frederick G., to Hiester Supply Co. 2,722,219, Cl. 128—305.
- Hiester Supply Co.: *See*—  
Hiester, Frederick G. 2,722,219.
- Higa, Walter H.: *See*—  
Kabuss, Norbert G., Higa, and Woerdemann. 2,709,759.
- Higbee, Wilmer L., and L. B. Davis, to Northrop Aircraft, Inc. 2,721,783, Cl. 346—145.
- Higgle, Nathan B., and C. R. Camfield, to Kingston Products Corp. 2,727,954, Cl. 200—61.76.
- Higer, Harry. 2,712,901, Cl. 241—42.
- Higgins, Alfred P., and G. R. Gordon, to General Dynamics Corp. 2,720,686, Cl. 22—57.
- Higgins, Eric B., and A. E. Read. 2,710,269, Cl. 117—138.5.
- Higgins, George D., 1/4 to M. J. Brophy. 2,717,663, Cl. 188—44.
- Higgins, Henry B. 2,721,728, Cl. 257—9.
- Higgins, Stephen P., Jr., to Minneapolis-Honeywell Regulator Co. 2,701,576, Cl. 137—84.
- Higgins, Stephen P., Jr., and P. H. Drinker, to Minneapolis-Honeywell Regulator Co. 2,724,398, Cl. 137—84.
- Higgins, Thomas J., to Storm Windows of Aluminum, Inc. 2,709,099, Cl. 292—152.
- Higgins, Waldo W., to A. O. Smith Corporation. 2,716,271, Cl. 29—195.
- Higgins, William A.: *See*—  
Craig, Willis G., and Higgins. 2,724,725.  
Craig, Willis G., and Higgins. 2,727,073.
- Higgins, William F., and W. G. Waite, to F. A. A. Hughes & Co. Ltd. 2,721,172, Cl. 204—197.
- High, Vernon L., to Minneapolis-Honeywell Regulator Co. 2,715,169, Cl. 200—166.



- High Voltage Engineering Corp.: *See*—  
 Gale, Alfred J. 2,722,620.  
 Gale, Alfred J. 2,724,059.  
 Nygard, John C. 2,721,954.  
 Van de Graff, Robert J., and Buechner. 2,714,679.  
 Hight, James L. 2,714,261, Cl. 35—31.  
 Highway Trailers and Utilities of Alabama, Inc.: *See*—  
 Robertson, Arthur J. 2,724,611.  
 Higley, Frank R. 2,706,875, Cl. 51—197.  
 Higley, Rolland C. 2,700,234, Cl. 37—145.  
 Higley, Willard S.: *See*—  
 Weitkamp, Alfred W., and Higley. 2,726,212.  
 Higonnet, René: *See*—  
 Caldwell, Samuel H., Higonnet, and Moyroud. 2,699,859.  
 Moyroud, Louis, and Higonnet. 2,715,862.  
 Hilb, Albert. 2,699,240, Cl. 192—48.  
 Hilbert, Richard G., to Universal Winding Co. 2,714,491, Cl. 242—37.  
 Hilborn, Edwin H., to Eastman Kodak Co. 2,706,686, Cl. 95—8.  
 Hilborn, Edwin H., and C. F. Smith, to Eastman Kodak Co. 2,710,820, Cl. 154—95.  
 Hild, Frederic W. 2,709,071, Cl. 255—19.  
 Hildebrand, James R. 2,715,005, Cl. 248—154.  
 Hildebrandt, Alexander B., to Esso Research and Engineering Co. 2,708,567, Cl. 255—61.  
 Hildebrandt, Alexander B., to Standard Oil Development Co. 2,702,890, Cl. 339—5.  
 Hildebrandt, Alexander B., to Standard Oil Development Co. 2,703,145, Cl. 166—222.  
 Hildmann, William B., to Brock and Rankin, Inc. 2,718,018, Cl. 11—1.  
 Hildreth, Jack R. 2,711,058, Cl. 51—134.5.  
 Hileman, Dale L., to Collins Radio Co. 2,717,345, Cl. 318—129.  
 Hilger & Watts Ltd.: *See*—  
 Menzies, Alexander C. G., Fensom, and Zehden. 2,717,401.  
 Hilgert, Adolph J., and R. B. Matthews, to Milwaukee Gas Specialty Co. 2,717,123, Cl. 236—75.  
 Hilgert, Adolph J., to Milwaukee Gas Specialty Co. 2,719,201, Cl. 200—140.  
 Hilgert, Adolph J., to Milwaukee Gas Specialty Co. 2,724,030, Cl. 200—140.  
 Hilkemeier, Louis G., to Worthington Corp. 2,722,408, Cl. 259—176.  
 Hill, Albert G. 2,715,904, Cl. 128—198.  
 Hill, Alfred G.: *See*—  
 Cherlow, Herman, Bart, and Hill. 2,700,060.  
 Hill, Ansel B. 2,699,257, Cl. 209—183.  
 Hill, Arlie D. 2,714,519, Cl. 285—24.5.  
 Hill, Charles, and C. K. John. 2,716,875, Cl. 64—29.  
 Hill, Charles M., to Marchant Research, Inc. 2,715,997, Cl. 235—61.  
 Hill, Claude I., to Sun Oil Co. 2,702,208, Cl. 302—59.  
 Hill, Daniel O. 2,698,550, Cl. 81—17.5.  
 Hill, Donald D. 2,718,249, Cl. 145—64.  
 Hill, Edward L., E. R. Erickson, and R. A. Berntsen, to Augustana Research Foundation. 2,705,224, Cl. 260—28.5.  
 Hill, Edward M., 50% to A. E. Reinking. 2,721,586, Cl. 143—68.  
 Hill, Eugene F., to Ethyl Corp. 2,719,858, Cl. 260—397.25.  
 Hill, Eugene F., to Ethyl Corp. 2,722,477, Cl. 44—69.  
 Hill, Ezra C.: *See*—  
 Sims, Marion W., Hill, and Krakower. 2,717,335.  
 Hill, Frederick B., Jr.: *See*—  
 Benning, Anthony F., and Hill. 2,720,498.  
 Hill, Frederick B., Jr., to E. I. du Pont de Nemours and Co. 2,726,219, Cl. 260—2.5.  
 Hill, Frederick J.: *See*—  
 Day, Robert E., and Hill. 2,720,078.  
 Hill, Fred P., to Motorola, Inc. 2,698,907, Cl. 307—89.  
 Hill, Gilbert F.: *See*—  
 Wittkuhn, Bruno A., and Hill. 2,699,750.  
 Wittkuhn, Bruno A., and Hill. 2,719,465.  
 Wittkuhn, Bruno A., and Hill. 2,719,466.  
 Wittkuhn, Bruno A., and Hill. 2,719,467.  
 Hill, George B., to Avco Mfg. Corp. 2,711,063, Cl. 55—118.  
 Hill, Glenn M. 2,717,103, Cl. 222—100.  
 Hill, Gordon, to Bettendorf Bakery Equipment Co. 2,707,504, Cl. 146—160.  
 Hill, Gordon, to Bettendorf Bakery Equipment Co. 2,713,234, Cl. 51—55.  
 Hill, Gordon, to Bettendorf Bakery Equipment Co. 2,725,698, Cl. 51—285.  
 Hill, Gordon, and P. C. Bauer, to Bettendorf Bakery Equipment Co. 2,713,880, Cl. 146—169.  
 Hill, Harold S. 2,700,945, Cl. 110—56.  
 Hill, Harvey J., to Roberts Mfg. Co. 2,714,274, Cl. 45—89.  
 Hill, Hubert M.: *See*—  
 Towne, Edmund B., and Hill. 2,726,237.  
 Towne, Edmund B., and Hill. 2,726,247.  
 Hill, James L., to Boeing Airplane Co. 2,706,917, Cl. 77—2.  
 Hill, James M.: *See*—  
 Snyder, Clifford H., and Hill. 2,702,698.  
 Hill, John A. 2,711,195, Cl. 143—17.  
 Hill, Julian W.: *See*—  
 Carnahan, James E., and Hill. 2,700,679.  
 Hill, Keith A. 2,724,446, Cl. 170—160.26.  
 Hill, Lawrence F.: *See*—  
 Crayford, Robert M. 2,700,731.  
 Hill, Luther R.: *See*—  
 McGrath, Henry G., and Hill. 2,699,988.  
 Hill, Max W., and R. H. Jones, to Esso Research and Engineering Co. 2,712,528, Cl. 252—46.6.  
 Hill, Moselle. 2,711,745, Cl. 132—60.  
 Hill, Myron F. 2,703,064, Cl. 114—126.  
 Hill, Myron F. 2,726,621, Cl. 114—144.  
 Hill, N. N., Brass Co., The: *See*—  
 Feist, Henry C. 2,716,439.  
 Feist, Henry C. 2,725,237.  
 Hill, Oiva E., to Norton Co. 2,720,063, Cl. 51—165.  
 Hill, Oiva E., to Norton Co. 2,722,088, Cl. 51—105.  
 Hill, Ralph M., and C. S. Lynch, to Esso Research and Engineering Co. 2,709,645, Cl. 48—196.  
 Hill, Roland. 2,699,743, Cl. 112—140.  
 Hill, Robert A.: *See*—  
 MacIsaac, John T., Jr., Brey, and Hill. 2,716,266.  
 Hill-Rom Co., Inc.: *See*—  
 Johnson, Edmund C., Burst, and Weese. 2,708,963.  
 Burst, Francis J., and Carter. 2,722,017.  
 Hill, Roscoe L., to United Shoe Machinery Corp. 2,724,845, Cl. 12—8.8.  
 Hill, Roscoe, to The Bentley Engineering Company Limited. 2,714,813, Cl. 66—178.  
 Hill, Ruth M. 2,728,501, Cl. 224—28.  
 Hill, Vernon W. 2,717,482, Cl. 56—48.  
 Hill, Wade D. 2,713,303, Cl. 100—4.  
 Hill, Walter P., to Calumet & Hecla, Inc. 2,726,561, Cl. 78—89.  
 Hill, William B., to E-Z Products, Inc. 2,713,810, Cl. 88—93.  
 Hill, William J.: *See*—  
 O'Malley, Joseph M., and Hill. 2,699,684.  
 Hilland, Henry J. 2,713,824, Cl. 101—394.  
 Hillard, George O., Jr., to Standard Oil Development Co. 2,702,742, Cl. 23—288.  
 Hillard, George O., Jr., to Esso Research and Engineering Co. 2,716,587, Cl. 23—1.  
 Hilldale, John H., to Proctor Electric Co. 2,712,703, Cl. 38—79.  
 Hillenbrand, George C., to The Batesville Casket Co. 2,712,191, Cl. 41—12.  
 Hillenbrand, William A., and F. J. Burst, to Hill-Rom Co., Inc. 2,701,374, Cl. 5—72.  
 Hillery, Robert D., and E. D'Luzansky, to Stewart-Warner Corp. 2,725,930, Cl. 158—28.  
 Hillgren, Carl A. 2,723,874, Cl. 292—336.3.  
 Hilliard, Alfred: *See*—  
 Clause, Jean, Parisot, Roos, Hilliard, and Jaray. 2,721,730.  
 Hilliard, Fay. 2,711,694, Cl. 102—5.  
 Hilliard, Robert C.: *See*—  
 Forbes, Gordon D., and Hilliard. 2,722,600.  
 Hilliker, Donald E., to General Electric Co. 2,725,723, Cl. 62—4.  
 Hillis, Ted E. 2,726,829, Cl. 244—12.  
 Hillix, Foster F., to Wedge Protectors, Inc. 2,709,456, Cl. 138—96.  
 Hillman-Kelley: *See*—  
 Gardner, Robert I. 2,703,221.  
 Hillman, Nison N.: *See*—  
 Koepsell, Harold J., Hellman, and Tsuchiya. 2,726,190.  
 Hill-Mar Industries Inc.: *See*—  
 Green, Stanley A. Re. 23,955.  
 Hillmer, Herman H., and H. P. Orent, to Printing Engineers Inc. 2,702,431, Cl. 33—125.  
 Hill-Rom Co., Inc.: *See*—  
 Hillenbrand, William A., and Burst. 2,701,374.  
 Hills, Arthur W., to General Motors Corp. 2,705,317, Cl. 340—381.  
 Hills, George S. 2,727,132, Cl. 219—29.  
 Hills, James M. 2,725,685, Cl. 51—15.  
 Hills, Leander H., to The Garlock Packing Co. 2,711,247, Cl. 209—29.  
 Hills-McCanna Co.: *See*—  
 Anderson, Harry J. 2,698,578.  
 Hills, William B.: *See*—  
 Bivens, Maurice E., and Hills. 2,721,302.  
 Johnsen, Robert O., and Hills. 2,711,506.  
 Hillyard, Harold T.: *See*—  
 Smith, Ernest W., and Hillyard. 2,716,155.  
 Hillyer, John C., to Phillips Petroleum Co. 2,720,497, Cl. 260—30.4.  
 Hi-Low TV Antenna Corp.: *See*—  
 Klancnik, Frank J., Jr. 2,724,773.  
 Hilpman, John H., to Mergenthaler Linotype Co. 2,708,505, Cl. 199—18.  
 Hilpman, John H., to Mergenthaler Linotype Co. 2,708,507, Cl. 199—45.  
 Hilpman, Paul: *See*—  
 Rossetto, Louis, Hilpman, and Abbott. 2,723,023.  
 Hilpman, Paul, to Mergenthaler Linotype Co. 2,703,171, Cl. 199—45.  
 Hilstrom, Roland, to Western Electric Co., Inc. 2,716,287, Cl. 33—174.  
 Hilton, Clyde E. 2,720,742, Cl. 56—194.  
 Hilton, John L., to The Plessey Co. Ltd. 2,706,452, Cl. 103—126.  
 Hilton, Mack D. 2,708,320, Cl. 36—1.  
 Hilton, Ralph W.,  $\frac{1}{2}$  to H. B. and J. H. Armstrong, and R. G. Bodtke. 2,703,711, Cl. 271—2.5.  
 Hilton Tool and Machine Co.: *See*—  
 Cohen, William. 2,701,082.  
 Himel, Chester M.: *See*—  
 Cheney, Leroy K., and Himel. 2,712,550.  
 Himel, Chester M., and L. P. Berriman, to Richfield Oil Corp. 2,712,551, Cl. 260—524.



- Himes, Harold D., to Avco Mfg. Corp. 2,722,599, Cl. 250—16.  
Himmel, Harold J.: *See*—  
Himmel, Murray and H. J. 2,717,665.  
Himmel, Leon, to International Telephone and Telegraph Corp. 2,710,917, Cl. 250—33.65.  
Himmel, Leon, to International Telephone and Telegraph Corp. 2,713,163, Cl. 343—106.  
Himmel, Leon, to International Telephone and Telegraph Corp. 2,726,369, Cl. 333—7.  
Himmel, Murray and H. J. 2,717,665, Cl. 189—36.  
Hinchey, Richard L.: *See*—  
Lester, John M., and Hinchey. 2,716,234.  
Hinchman, Harvey S., and R. E. Hays. 2,703,211, Cl. 244—63.  
Hinckley, John N. 2,717,555, Cl. 103—124.  
Hinde, Harry: *See*—  
Pinney, Paul O. 2,702,921.  
Hinde, Joseph, and D. F. B. Tedds, to The Bristol Aeroplane Co. Ltd. 2,703,913, Cl. 22—196.  
Hinde, Richard T. S.: *See*—  
Kendall, Ronald, and Hinde. 2,699,746.  
Hinde, Walter S.: *See*—  
Kendall, Ronald, and Hinde. 2,699,746.  
Hinderaker, Irving A.: *See*—  
Linneman, Fred. 2,724,612.  
Hindermann, Peter, to J. R. Geigy A. G. 2,714,589, Cl. 260—159.  
Hindes, Ltd.: *See*—  
Vann, Oswald. 2,708,765.  
Hindin, Herbert B.: *See*—  
Howe, Harold S., Hindin, and Mosshart. 2,728,612.  
Hindin, Lou M. 2,724,155, Cl. 20—55.  
Hindle, John E.: *See*—  
Robinson, Garner L., and Hindle. 2,714,846.  
Hindley, Frank: *See*—  
Thomas, Edward B., and Hindley. 2,715,146.  
Hindmarch, Thomas. 2,720,294, Cl. 192—4.  
Hinds, Caryl E., to Bird & Son, Inc. 2,718,674, Cl. 20—5.  
Hine, Edward K., and W. E. Burns, to Curtiss-Wright Corp. 2,703,992, Cl. 74—798.  
Hinerfeld, Irving. 2,726,045, Cl. 241—16.  
Hines, Clarence W., to Chicago Bridge & Iron Co. 2,720,694, Cl. 29—467.  
Hines, Claude M., to Westinghouse Air Brake Co. 2,712,104, Cl. 318—97.  
Hines, Claude M., to Westinghouse Air Brake Co. 2,715,049, Cl. 303—1.  
Hines, Claude M., to Westinghouse Air Brake Co. 2,725,260, Cl. 303—26.  
Hines Flask Co.: *See*—  
Hines, Russell J. 2,700,804.  
Hines, John E., Jr., to Union Oil Co. of California. 2,717,810, Cl. 302—53.  
Hines, John E., Jr., to Union Oil Co. of California. 2,724,617, Cl. 302—17.  
Hines, Marion E., to Bell Telephone Laboratories, Inc. 2,710,922, Cl. 250—36.  
Hines, Orville A. 2,724,935, Cl. 51—166.  
Hines, Roger A., to E. I. du Pont de Nemours and Co. 2,709,195, Cl. 260—677.  
Hines, Russell J., to Hines Flask Co. 2,700,804, Cl. 22—107.  
Hinger, William E. 2,708,097, Cl. 254—12.  
Hings, Donald L., and S. A. Hall. 2,703,377, Cl. 317—101.  
Hingst, Rudolf. 2,715,893, Cl. 122—1.  
Hink, John H., to Cutter Laboratories. 2,704,214, Cl. 167—78.  
Hinkel, Lester H., to International Harvester Co. 2,706,140, Cl. 312—214.  
Hinkel, Lester H., to International Harvester Co. 2,718,446, Cl. 312—214.  
Hinlicky, John A.: *See*—  
Heigl, John J., and Hinlicky. 2,718,597.  
Hinman, Henry J. 2,713,525, Cl. 308—237.  
Hinnens, Frederick J. 2,710,221, Cl. 296—3.  
Hinrichs, Ronald W., and M. C. Smith. 2,723,639, Cl. 115—18.  
Hinshaw, John B. 2,723,509, Cl. 51—216.  
Hintz, August L. 2,717,930, Cl. 179—156.  
Hintz, Otto E., and A. H. Nakata, to International Harvester Co. 2,718,109, Cl. 55—118.  
Hintzmann, Karl: *See*—  
Schnell, Hermann, Hintzmann, and Rinke. 2,706,207.  
Hinz, William R.: *See*—  
Palmer, Frederick B., Brown, Pond, and Hinz. 2,711,568.  
Hipp, Norbert J., M. L. Groves, and T. L. McMeekin, to the United States of America as represented by the Secretary of Agriculture. 2,702,800, Cl. 260—120.  
Hipp, William A., and F. B. Jacobson, to C. Schmidt and Sons, Inc. 2,722,452, Cl. 299—20.  
Hirao, Tom T. 2,712,333, Cl. 146—19.  
Hirrmann, Julius, to Radio Corp. of America. 2,719,544, Cl. 140—71.5.  
Hirons, James M.: *See*—  
Welch, Douglas F., Grieve, Hirons, and Pollard. 2,701,831.  
Hirsch, Abraham A. 2,699,894, Cl. 235—61.  
Hirsch, Benjamin L.: *See*—  
Hirsch, Henry and B. L. 2,712,710.  
Hirsch, Eric D. 2,713,471, Cl. 248—346.  
Hirsch, George B., to Brown & Sharpe Mfg. Co. 2,701,987, Cl. 90—21.  
Hirsch, Harold S. 2,716,754, Cl. 2—227.  
Hirsch, Henry and B. L., to Kellogg Co. 2,712,710, Cl. 46—94.  
Hirsch, Joseph. 2,723,892, Cl. 311—112.  
Hirsch, Marx, R. F. Bacon, and E. A. Lucas, to Molybdenum Corp. of America. 2,722,471, Cl. 23—19.  
Hirsch, Mahlon, to Louis Marx & Co., Inc. 2,703,464, Cl. 42—57.  
Hirsch, Sylvan R., to Worthington Corp. 2,701,684, Cl. 230—207.  
Hirsch, Sylvan R., to Worthington Corp. 2,708,945, Cl. 137—392.  
Hirschberg, Charles A. 2,713,436, Cl. 215—38.  
Hirschberger, Carl R. 2,714,375, Cl. 123—90.  
Hirschberg, Theodore B., Jr.: *See*—  
Rindfleisch, Arthur G. 2,707,432.  
Hirschberger, Paul, to Society Palladium. 2,715,074, Cl. 117—17.  
Hirschfeld, Abraham. 2,703,574, Cl. 128—132.  
Hirschler, Ivan. 2,717,927, Cl. 179—90.  
Hirshkorn, William D. 2,724,940, Cl. 56—25.  
Hirschler, Daniel A., Jr., and G. Irish, to Ethyl Corp. 2,728,648, Cl. 44—63.  
Hirschman, Jerome C. 2,715,229, Cl. 5—345.  
Hirschmann, Ralph F., N. L. Wendler, and W. V. Ruyle, to Merck & Co., Inc. 2,716,125, Cl. 260—397.45.  
Hirsekorn, Fred S.: *See*—  
Ellsworth, Arthur C., Jr., and Hirsekorn. 2,713,076.  
Hirt, Otto: *See*—  
Westinger, Karl, Altenburger, and Hirt. 2,705,106.  
Westinger, Karl, Altenburger, and Hirt. 2,722,383.  
Hirt, Peter, to Maschinenfabrik Augsburg-Nürnberg A. G. 2,703,535, Cl. 105—133.  
Hirtle, Stanley A. 2,701,819, Cl. 174—117.  
Hirvonen, Eric J., to Leland-Gifford Co. 2,711,549, Cl. 10—139.  
Hiscock, Earle F. 2,721,017, Cl. 226—53.  
Hiscock, George H., and R. Garbutt, to The Bristol Aeroplane Co. Ltd. 2,724,948, Cl. 60—39.31.  
Hiscock, Sherrick S. 2,719,687, Cl. 248—40.  
Hise, James E. 2,722,256, Cl. 146—164.  
Hiser, Ernest F., to Cadaco-Ellis. 2,720,722, Cl. 45—131.  
Hisey, Willis O., to The Sandy Hill Iron & Brass Works. 2,728,272, Cl. 92—44.  
Hisserich, Charles A., to the United States of America as represented by the Secretary of the Navy. 2,724,817, Cl. 340—3.  
Hitch, James W.: *See*—  
Morgan, George W., Bizzell, Manov, and Hitch. 2,722,609.  
Hitchcock, John H., and E. S. Murrah, to Morgan Construction Co. 2,699,864, Cl. 205—14.  
Hitchcock, Leo L. 2,709,072, Cl. 255—63.  
Hitchings, George H., and G. B. Elion, to Burroughs Wellcome & Co. (U. S. A.) Inc. 2,721,866, Cl. 260—252.  
Hitchings, George H., and G. B. Elion, to Burroughs Wellcome & Co. (U. S. A.) Inc. 2,724,711, Cl. 260—256.5.  
Hitchings, John B. 2,714,423, Cl. 166—125.  
Hitz, Luin K. 2,698,705, Cl. 223—57.  
Hivac Ltd.: *See*—  
Diggle, Harry. 2,704,879.  
Nye, Ronald O., and Sterling. 2,716,201.  
Hjärpe, Eric G., to Aktiebolaget Svenska Kullagerfabriken. 2,712,795, Cl. 103—238.  
Hjärpe, Eric G., to SKF Industries, Inc. 2,718,100, Cl. 51—165.  
Hjärpe, Eric G., to Aktiebolaget Svenska Kullagerfabriken. 2,720,433, Cl. 308—194.  
Hjelmblad, Karl W. J. 2,711,621, Cl. 51—287.  
Hjertstrand, Svante L., to Telefonaktiebolaget L. M. Ericsson. 2,712,571, Cl. 179—86.  
Hjort, John, to Henry L. Hanson Co. 2,727,399, Cl. 74—231.  
Hjulian, Julius A., to Crane Co. 2,705,610, Cl. 251—175.  
Hjulian, Julius A., to Crane Co. 2,713,873, Cl. 137—447.  
Hjulian, Julius A., and F. D. Cotterman, to Crane Co. 2,698,516, Cl. 60—54.5.  
Hnilicka, Miloslav P., to Carthage Hydrocol, Inc. 2,698,523, Cl. 62—123.  
Hoadley, Henry H., to Chance Vought Aircraft, Inc. 2,721,715, Cl. 244—130.  
Hoadley, George B., and C. A. Hachemeister, to the United States of America as represented by the Secretary of the Army. 2,714,655, Cl. 250—10.  
Hoag, Arthur E., to June Dairy Products Co., Inc. 2,720,233, Cl. 146—151.  
Hoag, Edward H., to Phillips Petroleum Co. 2,706,192, Cl. 260—84.1.  
Hoag, Paul B. 2,711,212, Cl. 155—184.  
Hoag, Roderick W. 2,726,975, Cl. 154—1.6.  
Hoagland, Arns. 2,717,304, Cl. 219—32.  
Hoagland, Frank O., to Niles-Bement-Pond Co. 2,720,875, Cl. 125—11.  
Hoagland, Kenneth A., to Allen B. Du Mont Laboratories, Inc. 2,719,243, Cl. 313—82.  
Hoague-Sprague Corp.: *See*—  
Sillars, George S. 2,723,601.  
Hoak, Richard D. 2,712,980, Cl. 23—76.  
Hoar, Roger S.: *See*—  
Pennington, Neal A. 2,700,537.  
Pennington, Neal A. 2,723,837.  
Hoare, Stephen C.: *See*—  
Millar, Norval P., and Hoare. 2,704,827.  
Hoback, Joseph Q. 2,702,480, Cl. 73—422.  
Hobart, Ilia E. 2,718,287, Cl. 189—34.  
Hobart Mfg. Co., The: *See*—  
Fox, Gerald B., and Dickhart. 2,714,038.  
Geiger, Russell C., and Meeker. 2,707,961.  
Meeker, David A., and Sherman. 2,723,113.



- Hobbs, Guy T. 2,700,584, Cl. 311—110.  
Hobbs, Jack C.: *See—*  
Dickey, Fred E., and Hobbs. 2,722,659.  
Hobbs, Linder C., to Radio Corp. of America. 2,719,959, Cl. 340—147.  
Hobbs Mfg. Co.: *See—*  
Oakes, Stewart F. 2,718,260.  
Hobby & Brown Electronic Corp.: *See—*  
Palmer, Max. 2,716,706.  
Hobby, Harold E., to Simplex Time Recorder Co. 2,701,522, Cl. 101—288.  
Hobday, Stephen W. 2,722,189, Cl. 114—66.5.  
Hoberg, Paul. 2,715,768, Cl. 30—60.5.  
Hobing, John W., to R. A. and R. H. Haneberg. 2,716,879, Cl. 67—6.1.  
Hobing, John W., to R. A. and R. H. Haneberg. 2,727,375, Cl. 67—6.1.  
Hobourn, Percival L. 2,711,859, Cl. 242—43.  
Hobson, Alan G.: *See—*  
Bennett, Nigel J., and Hobson. 2,702,126.  
Hobson Brothers: *See—*  
Hobson, Ervin J. 2,701,869.  
Hobson, Charles W. 2,728,494, Cl. 222—286.5.  
Hobson, Clifford D. 2,719,404, Cl. 60—54.5.  
Hobson, Ernest S. 2,720,001, Cl. 17—7.  
Hobson, Ervin J., to Hobson Brothers. 2,701,869, Cl. 339—193.  
Hobson, Gordon G.,  $\frac{1}{10}$  to E. P. Tice, Jr.,  $\frac{1}{10}$  to P. P. Lechner, Jr.,  $25\frac{1}{2}\%$  to W. L. Lewis,  $\frac{1}{10}$  to H. W. Kraft,  $25\frac{1}{2}\%$  to D. C. Hanover, Jr., and 9% to D. A. Sheidler. 2,702,551, Cl. 128—327.  
Hobson, H. M., Ltd.: *See—*  
Greenland, Leonard S. 2,721,765.  
Hobson, Roy C.: *See—*  
Averill, Charles C., and Hobson. 2,700,522.  
Hobush, Albert P.: *See—*  
Schmid, Herman, and Hobush. 2,700,225.  
Hoch, Fred W. 2,710,143, Cl. 235—84.  
Hochberg, Frederick, to the United States of America as represented by the Secretary of the Army. 2,721,357, Cl. 18—55.  
Hochberg, Jerome, to E. I. du Pont de Nemours and Co. 2,710,266, Cl. 117—103.  
Hoche, Andrew A.: *See—*  
Peirce, Charles L., Jr., and Hoche. 2,698,471.  
Hochman, Julius C. 2,711,940, Cl. 312—30.  
Hochmuth, Frank W., to Combustion Engineering, Inc. 2,702,235, Cl. 23—262.  
Hochwalt, Carroll A., to Monsanto Chemical Co. 2,727,037, Cl. 260—249.7.  
Hock, Anthony A. 2,699,552, Cl. 2—145.  
Hock, Frederick R. 2,719,497, Cl. 110—18.  
Hock, James W., and B. R. Vernier, to Northrop Aircraft, Inc. 2,705,889, Cl. 73—67.  
Hock, Lester R. 2,717,064, Cl. 189—46.  
Hockery, John C.: *See—*  
Aberer, Frank E. 2,713,367.  
Hockett, Carl G., to Fram Corp. 2,709,476, Cl. 154—1.8.  
Hocks, Robert W., and J. C. Jones,  $\frac{1}{3}$  to D. W. Ruble. 2,702,604, Cl. 181—0.5.  
Hodes, Lewis E.: *See—*  
Larson, Eric W., Hodes, and Moore. 2,716,442.  
Hodes, William. 2,725,670, Cl. 46—116.  
Hodge, Arthur: *See—*  
Downing, John, Hodge, and Drewitt. 2,721,112.  
Downing, John, Hodge, and Drewitt. 2,721,113.  
Downing, John, Hodge, and Drewitt. 2,721,114.  
Hodge, Edward A.: *See—*  
Ohlson, Paul E., and Hodge. Re. 24,024.  
Hodge, Edward B., to Commercial Solvents Corp. 2,716,667, Cl. 260—619.  
Hodge, Hugh M., to Hovis Screwlock Co., Inc. 2,699,830, Cl. 164—13.  
Hodge, John E., to the United States of America as represented by the Secretary of Agriculture. 2,715,123, Cl. 260—211.  
Hodge, William F., to General Electric Co. 2,705,310, Cl. 339—144.  
Hodges, Fred O. 2,712,150, Cl. 16—86.  
Hodges, Frederick G., Jr. 2,716,308, Cl. 45—138.  
Hodges, Linnie P., to Esso Research and Engineering Co. 2,717,879, Cl. 252—182.  
Hodges Research & Development Co.: *See—*  
Kather, William S., and Wiener. 2,711,418.  
Hodges, Robert E.: *See—*  
Saks, Robert, Hrahe, and Hodges. 2,726,419.  
Hodges, Wetmore: *See—*  
McAdam, Harry H. 2,711,286.  
Hodges, Wetmore, and Associates: *See—*  
McAdam, Harry H. 2,711,286.  
Hodgin, Charles L.,  $\frac{1}{2}$  to Petty's General Merchandise. 2,705,179, Cl. 311—4.  
Hodgin, David M., and L. V. Miffin, to Collins Radio Co. 2,717,364, Cl. 336—30.  
Hodgkins, Charles H., to The Bryant Electric Co. 2,722,666, Cl. 339—55.  
Hodgkins, Edwin J.: *See—*  
Robbins, Chandler, II, and Hodgkins. 2,713,193.  
Hodgson, Don C.: *See—*  
Robinson, Jack. 2,727,329.  
Hodgson, Grant B.: *See—*  
Wosika, Leon R., Hodgson, and Pitt. 2,723,531.  
Hodgson, Howard E., to Cutler-Hammer, Inc. 2,700,439, Cl. 188—171.  
Hodgson, Maurice A. E., to Imperial Chemical Industries Ltd. 2,725,403, Cl. 260—641.  
Hodgson, Myron J.: *See—*  
Robinson, Jack. 2,727,329.  
Hodgson, Robert F., to The New York Air Brake Co. 2,710,628, Cl. 137—622.  
Hodgson, Thomas G.: *See—*  
Robinson, Jack. 2,727,329.  
Hodil, Ralph W., and J. L. Holt. 2,718,474, Cl. 117—51.  
Hodkinson, John, and R. Lipscomb, to Imperial Chemical Industries Ltd. 2,721,371, Cl. 28—21.  
Hodsdon, Floyd G., to International Harvester Co. 2,703,068, Cl. 119—14.18.  
Hodson, Peter, to The Air Preheater Corp. 2,701,622, Cl. 183—7.  
Hoe, R., & Co., Inc.: *See—*  
Albrecht, Alexander J. 2,706,947.  
Albrecht, Alexander J. 2,708,407.  
Albrecht, Alexander J. 2,726,863.  
Battey, Alfred P. 2,714,268.  
Battey, Alfred P. 2,725,229.  
Harless, Charles A. 2,699,116.  
Harless, Charles A. 2,708,875.  
Harless, Charles A., Worthington, and Hegeman. 2,727,739.  
Harless, Charles A., Worthington, and Zurick. 2,728,292.  
Turrall, George. 2,722,000.  
Hoecker, Albert C. 2,713,735, Cl. 38—77.  
Hoecker, Albert C. 2,716,297, Cl. 38—77.  
Hoefel, Karl E.: *See—*  
Feustel, Ernest A., and Hoefel. 2,720,096.  
Hoefel, William F. 2,711,921, Cl. 294—83.  
Hoefle, Milton L., D. I. Randall, and E. E. Renfrew, to General Aniline & Film Corp. 2,704,292, Cl. 260—373.  
Hoefle, Milton L., D. I. Randall, and E. E. Renfrew, to General Aniline & Film Corp. 2,722,535, Cl. 260—373.  
Hoefle, Milton L., D. I. Randall, and E. E. Renfrew, to General Aniline & Film Corp. 2,722,536, Cl. 260—377.  
Hoefle, Milton L., D. I. Randall, and E. E. Renfrew, to General Aniline & Film Corp. 2,723,279, Cl. 260—377.  
Hoehn, Willard M.: *See—*  
Bible, Roy H., Jr., and Hoehn. 2,705,725.  
Goodson, Louis H., Moffett, Stafford, and Hoehn. 2,711,428.  
Hoeksema, Herman, and E. F. Peters, to Standard Oil Co. 2,702,288, Cl. 260—94.9.  
Hoellerich, John L.: *See—*  
Jones, Robert M., Segal, and Hoellerich. 2,710,916.  
Hoelscher, Friedrich: *See—*  
Craemer, Karl, and Hoelscher. 2,719,831.  
Craemer, Karl, and Hoelscher. 2,719,832.  
Hoelscher, Ralph A. 2,717,737, Cl. 235—106.  
Hoelscher, William G., to American Tool Works. 2,716,675, Cl. 191—23.  
Hoenk, Robert L., to Illinois Tool Works. 2,728,091, Cl. 10—155.  
Hoepker, Emil F. 2,706,929, Cl. 88—14.91.  
Hoepner, Arthur D., to Bemis Bro. Bag Co. 2,709,467, Cl. 150—7.  
Hoepner, Conrad H., and A. G. Hubby. 2,727,228, Cl. 340—345.  
Hoern, Joseph H., to J. Gogan. 2,707,026, Cl. 164—61.  
Hoerr, Charles W., to Armour and Co. 2,705,723, Cl. 260—419.  
Hoesselbarth, Frank W. E., to C. H. Masland and Sons. 2,702,056, Cl. 139—403.  
Hoesselbarth, Frank W. E., to C. H. Masland & Sons. 2,702,933, Cl. 28—80.  
Hoesselbarth, Frank W. E., to C. H. Masland & Sons. 2,705,974, Cl. 139—39.  
Hoesselbarth, Frank W. E., to C. H. Masland & Sons. 2,709,458, Cl. 139—39.  
Hoesselbarth, Frank W. E., to C. H. Masland & Sons. 2,709,460, Cl. 139—403.  
Hoesselbarth, Frank W. E., to C. H. Masland & Sons. 2,713,354, Cl. 139—39.  
Hoesselbarth, Frank W. E., to C. H. Masland & Sons. 2,713,355, Cl. 139—39.  
Hoesselbarth, Frank W. E., to C. H. Masland & Sons. 2,713,356, Cl. 139—41.  
Hoesselbarth, Frank W. E., to C. H. Masland & Sons. 2,714,399, Cl. 139—39.  
Hoesselbarth, Frank W. E., to C. H. Masland & Sons. 2,714,405, Cl. 139—403.  
Hoesselbarth, Frank W. E., to C. H. Masland & Sons. 2,714,902, Cl. 139—403.  
Hoesselbarth, Frank W. E., to C. H. Masland & Sons. 2,717,005, Cl. 139—39.  
Hoesselbarth, Frank W. E., to C. H. Masland & Sons. 2,720,222, Cl. 139—39.  
Hoey, Perry H. 2,707,585, Cl. 228—6.  
Hofer, Heinrich: *See—*  
Lindell, August, and Höfer. 2,709,282.  
Hofer, Max, to Maschinenfabrik Augsburg-Nürnberg A. G. 2,700,966, Cl. 123—90.  
Hoff, Adam F. 2,727,515.  
Hoff, Clarence A. 2,728,284, Cl. 98—2.  
Hoff, Hubert, W. vor dem Esche, and H. Lessing, to Westfalenhütte Dortmund Aktiengesellschaft. 2,721,134, Cl. 75—5.  
Hoff, Jean M., to Standard Oil Co. 2,712,355, Cl. 166—36.  
Hoff, Jean M. 2,723,001, Cl. 183—115.  
Hoff, Ronald C., to Eriez Mfg. Co. 2,709,002, Cl. 209—215.  
Hoffarth, Michael J. 2,711,596, Cl. 36—7.7.



- Hoffer, John P.: *See*—  
Curran, John F., and Hoffer. 2,703,239.
- Hoffer, Max, to Hoffmann-La Roche Inc. 2,721,200, Cl. 260—239.9.
- Hofferber, Raymond. 2,698,518, Cl. 61—29.
- Hoffman, Eugene C. 2,722,194, Cl. 115—34.
- Hoffman, Frederick C., to Lockheed Aircraft Corp. 2,702,578, Cl. 153—48.
- Hoffman, Frederick W., to Macknight & Hoffman, Inc. 2,701,405, Cl. 26—51.5.
- Hoffman, Herman S. 2,717,624, Cl. 152—236.
- Hoffman, Howard T., to Bailey Meter Co. 2,728,832, Cl. 201—63.
- Hoffman, James R. 2,713,621, Cl. 200—61.18.
- Hoffman, Joseph D., and E. E. Holke, to James R. Kearney Corp. 2,707,775, Cl. 339—276.
- Hoffman, Joseph J. 2,720,236, Cl. 150—52.
- Hoffman, Lawrence W.: *See*—  
Schieser, Warren J., Kelley, White, and Hoffman. 2,726,061.
- Hoffman, Manfred T. 2,712,171, Cl. 28—72.3.
- Hoffman, Matthew W. 2,709,107, Cl. 296—44.
- Hoffman, Milton C., to Sylvania Electric Products Inc. 2,699,426, Cl. 204—181.
- Hoffman, Morris: *See*—  
Hoffman, Sam. 2,705,583.
- Hoffman, Murray M.: *See*—  
Glassman, Jacob A., and Hoffman. 2,705,335.
- Hoffman, Oscar A. 2,714,366, Cl. 118—410.
- Hoffman Radio Corp.: *See*—  
Hammond, Arthur L. 2,700,698.
- Hammond, Arthur L. 2,715,156.
- Hoffman, Roscoe C. 2,701,972, Cl. 74—607.
- Hoffman, Sam, to M. Hoffman. 2,705,583, Cl. 223—28.
- Hoffman Specialty Mfg. Corp.: *See*—  
Roche, Austin O., Jr. 2,722,232.
- Hoffman, Stanley: *See*—  
Gier, Francis T., and Tagliaferri. 2,721,575.
- Hoffman, William A. 2,708,484, Cl. 180—19.
- Hoffmann, Elmer L., and B. B. Bruggen, to R. T. Moloney. 2,716,254, Cl. 15—402.
- Hoffmann, Alfred N., and J. B. Montgomery, to Hercules Powder Co. 2,727,885, Cl. 260—97.5.
- Hoffmann, Edward J.: *See*—  
Baumgarten, Peter K., Hoffmann, and Wadley. 2,717,861.
- Hoffmann, Ernest: *See*—  
Gresham, Claude D., and Hoffmann. 2,718,894.
- Hoffmann, Karl, and E. Tagmann, to Ciba Pharmaceutical Products, Inc. 2,702,293, Cl. 260—293.4.
- Hoffmann, Karl, and E. Tagmann, to Ciba Pharmaceutical Products, Inc. 2,711,412, Cl. 260—281.
- Hoffmann, Karl, and E. Sury, to Ciba Pharmaceutical Products, Inc. 2,727,897, Cl. 260—295.
- Hoffmann-La Roche Inc.: *See*—  
Baurenfeind, Jacob, and Magid. 2,708,628.
- Brossi, Arnold. 2,714,107.
- Duschinsky, Robert. 2,707,186.
- Duschinsky, Robert, and Schmall. 2,706,732.
- Fox, Herman H. Re. 23,947.
- Fox, Herman H. 2,703,322.
- Fox, Herman H. 2,713,052.
- Goldberg, Moses W., and Teitel. 2,705,244.
- Goldberg, Moses W., and Teitel. 2,721,215.
- Grüssner, Andre. 2,719,847.
- Grüssner, André, and Hegedüs. 2,723,276.
- Grüssner, André, and Hegedüs. 2,723,277.
- Hegedüs, Balthasar, and Grüssner. 2,701,804.
- Hellerbach, Joseph. 2,719,150.
- Hoffer, Max. 2,721,200.
- Inhoffen, Hans H. 2,705,728.
- Karrer, Paul, and Visconti. 2,703,323.
- Kläui, Heinrich. 2,702,264.
- Plati, John T., and Wenner. 2,698,846.
- Rey-Bellet, Gerald, and Spiegelberg. 2,726,245.
- Surmatis, Joseph D., and Weber. 2,723,278.
- Svenson, Sven E. 2,705,496.
- Wirz, Willi. 2,721,202.
- Hoffmaster, George R., to Willson Products, Inc. 2,700,765, Cl. 2—14.
- Hoffmeister, Ernst W. 2,701,137, Cl. 272—46.
- Hoffmeister, Ernst W. 2,703,910, Cl. 20—1.12.
- Hofft Co., Inc.: *See*—  
Miller, Henry C. L. 2,701,536.
- Hofgaard, Rolf. 2,717,734, Cl. 235—61.
- Hofheimer, Richard W. 2,715,537, Cl. 287—54.
- Hofmann, Alfred, & Co.: *See*—  
Ebert, Max E. 2,707,380.
- Ebert, Max E. 2,718,768.
- Hofmann, Helmut: *See*—  
Ulrich, Fritz, Centmaier, Eder, Hofmann, and Döring. 2,701,824.
- Ulrich, Fritz, Lohs, Hofmann, Centmaier, and Eder. 2,724,747.
- Hofmann, Heinrich, to Landis & Gyr, A. G. 2,701,967, Cl. 73—405.
- Hofmann, Kurt, to K. Hofmann. 2,714,289, Cl. 60—59.
- Hofmann, Walter, 70% to Fastel Corp., Inc. 2,711,729, Cl. 128—28.
- Hofrichter, Alice J. 2,720,188, Cl. 119—26.
- Hofrichter, Charles H., Jr., to E. I. du Pont de Nemours and Co. 2,711,996, Cl. 260—23.
- Hofstetter, Hermann, to Sulzer Freres, Societe Anonyme. 2,717,484, Cl. 57—56.
- Hofweber, Joseph E. 2,709,472, Cl. 152—330.
- Hogan, Ailsede W. 2,724,737, Cl. 178—5.4.
- Hogan, Charles W.: *See*—  
Wolf, William C. 2,708,010.
- Hogan, John E., and W. R. Andrews, to C. and E. M. Hartwell, d. b. a. Hartwell Aviation Supply Co. 2,699,962, Cl. 292—108.
- Hogan, Walter H.: *See*—  
Bourassa, Hugues A., and Hogan. 2,718,165.
- Hogan, Walter H., to The Cleveland Pneumatic Tool Co. 2,715,341, Cl. 74—424.8.
- Hogan, Walter H., to The Cleveland Pneumatic Tool Co. 2,723,847, Cl. 267—64.
- Höganäs-Billesholms Aktiebolag: *See*—  
Brundin, Nils H. 2,728,655.
- Hoge, Ralph O. 2,726,834, Cl. 248—180.
- Hoge, Ralph O., and D. P. Wadleton, to Thomas Rentals, Inc. 2,715,534, Cl. 280—47.11.
- Hoge, Robert R.: *See*—  
Rittenhouse, Lloyd W., Hoge, and Taylor. 2,706,757.
- Hogg, James H. 2,720,478, Cl. 154—120.
- Hogg, John A.: *See*—  
Beal, Philip F., III, Nathan, and Hogg. 2,698,852.
- Nathan, Alan H., and Hogg. 2,719,855.
- Nathan, Alan H., and Hogg. 2,727,905.
- Nathan, Alan H., Hogg, and Lyttle. 2,713,588.
- Hogg, John A., A. H. Nathan, D. A. Lyttle, and A. R. Hanze, to The Upjohn Co. 2,701,808, Cl. 260—397.3.
- Hogg, John A., P. F. Beal, and F. H. Lincoln, Jr., to The Upjohn Co. 2,707,184, Cl. 260—239.55.
- Hogg, John A., P. F. Beal, III, and F. H. Lincoln, Jr., to The Upjohn Co. 2,707,711, Cl. 260—397.45.
- Hogg, John A., P. F. Beal, and F. H. Lincoln, Jr., to The Upjohn Co. 2,715,621, Cl. 260—239.55.
- Hoggatt, Herbert H., and R. L. Trego: said Trego assor. to said Hoggatt. 2,706,284, Cl. 339—238.
- Hoglan, Forest A., to International Minerals & Chemical Corp. 2,713,592, Cl. 260—527.
- Hoglund, Nils. 2,715,397, Cl. 125—11.
- Hogsed, Milton J.: *See*—  
Albisetti, Charles J., Jr., and Hogsed. 2,728,785.
- Hogsed, Milton J., to E. I. du Pont de Nemours and Co. 2,714,621, Cl. 260—669.
- Hogue, Carlton H.: *See*—  
Harwood, Kenneth J., Hogue, Le Dain, and Sabee. 2,719,337.
- Harwood, Kenneth J., Hogue, Le Dain, and Sabee. 2,726,423.
- Hogue, Walters E., to the United States of America as represented by the Secretary of the Navy. 2,702,839, Cl. 179—171.
- Hohberger, Harry H. 2,712,443, Cl. 272—57.
- Hohenner, Werner W. 2,708,848, Cl. 74—25.
- Hohenstein, George C. 2,719,995, Cl. 15—105.
- Hohing, Conrad, Jr.: *See*—  
Duke, Marshall, Fortress, and Hohing. 2,727,860.
- Hohl, John S., and E. T. Davis, to General Electric Co. 2,699,502, Cl. 205—33.65.
- Hohler, Elisabeth Haupt geb.: *See*—  
Haupt, Hans, and Hohler. 2,710,619.
- Hohmann, Albert: *See*—  
Cooper, Benjamin, and Hohmann. 2,706,078.
- Hohmann, Bernhard A. 2,723,812, Cl. 244—3.
- Hohnl, Kurt E.: *See*—  
Omon, Gene L., and Hohnl. 2,699,961.
- Hohwart, Ernest F.: *See*—  
Hohwart, George and E. F. 2,714,514.
- Hohwart, George and E. F., to N. A. Woodworth Co. 2,714,514, Cl. 279—1.
- Hoiles, Frank A. 2,720,323, Cl. 214—10.5.
- Hojman, Jorge A., R. Kiguel, and A. Ibarlucia. 2,722,269, Cl. 155—194.
- Hokanson, Frida. 2,718,042, Cl. 24—150.
- Hoke, Harry H., Jr. 2,716,009, Cl. 244—81.
- Hoke, Harry H., Jr. 2,720,856, Cl. 114—16.
- Hoke, Harry H., Jr. 2,722,192, Cl. 114—240.
- Hoke, Howard L.: *See*—  
Risley, Roger E., and Hoke. 2,721,581.
- Hoke, Howard L., to Dresser Industries, Inc. 2,711,753, Cl. 137—319.
- Hoke, Howard L., to Dresser Industries, Inc. 2,721,582, Cl. 138—99.
- Hoke, John A. 2,701,499, Cl. 84—458.
- Holaday, Harold O., and C. W. MacMillan, to Bear Mfg. Co. 2,722,828, Cl. 73—66.
- Holan, J. H., Corp.: *See*—  
Troche, Herman J. 2,700,174.
- Troche, Herman J. 2,700,527.
- Holbert, James M., and I. W. Grote, to The Chattanooga Medicine Co. 2,711,409, Cl. 260—253.
- Holbert, James M., and I. W. Grote, to The Chattanooga Medicine Co. 2,711,410, Cl. 260—253.
- Holbert, James M., and I. W. Grote, to The Chattanooga Medicine Co. 2,711,411, Cl. 260—253.
- Holbrook, Edward L., to Westinghouse Air Brake Co. 2,721,637, Cl. 192—098.
- Holbrook, Francis C. 2,706,408, Cl. 73—212.
- Holbrook, Franklin K.: *See*—  
Reynolds, George A., Jr., and Holbrook. 2,720,721.
- Holbrook, Gordon E., to General Motors Corp. 2,719,099, Cl. 154—44.
- Holbrook, John A., to Morgan Construction Co. 2,704,151, Cl. 205—13.



- Holbrook Merrill Co.: *See*—  
Mack, Halmer B. 2,713,890.
- Holcomb, Robert L. 2,724,303, Cl. 85—10.
- Holcombe, Ralph L. 2,717,459, Cl. 35—12.
- Holcombe, Richard A., Jr.: *See*—  
Early, Robert W. 2,715,221.
- Holcroft & Co.: *See*—  
Joy, Clarence L. 2,716,989.
- Holcroft, Walter H., and Jans. 2,708,107.
- Holcroft, Walter H., and J. T. Jans, to Holcroft & Co. 2,708,107, Cl. 263—8.
- Holdam, James V., Jr., and L. M. Jones, to the United States of America as represented by the Secretary of the Navy. 2,700,732, Cl. 250—27.
- Holdaway, Randall B. 2,713,742, Cl. 43—42.38.
- Holdeman, Charles L. 2,717,470, Cl. 43—57.5.
- Holdeman, Lloyd H., to Manning, Maxwell & Moore, Inc. 2,718,851, Cl. 104—32.
- Holden, Artemas F. 2,701,269, Cl. 13—23.
- Holden, James M. 2,702,414, Cl. 20—55.
- Holden, Donald L., to Universal Oil Products Co. 2,723,243, Cl. 252—448.
- Holden, John H.: *See*—  
Schmidt, Lawrence D., and Holden. 2,710,232.
- Holden, Lawrence T., to Bell Telephone Laboratories, Inc. 2,705,472, Cl. 116—152.
- Holden, Norman G., to Powers-Samas Accounting Machines Ltd. 2,698,714, Cl. 235—60.31.
- Holder, Alfred E. and M. 2,723,846, Cl. 267—1.
- Holder, Clinton H.: *See*—  
Rupp, Walter H., Holder, and Long. 2,710,790.
- Holder, Manfred: *See*—  
Holder, Alfred E. and M. 2,723,846.
- Holderman, Jim D. 2,718,892, Cl. 131—196.
- Holderness, John H. 2,709,578, Cl. 261—30.
- Holderreed, Francis L.: *See*—  
Frick, Frederick F., and Holderreed. 2,699,388.
- Holdford, Frank L., to The Black & Decker Mfg. Co. 2,704,941, Cl. 74—50.
- Holdren, Earl B.: *See*—  
Blum, Albert H., and Holdren. 2,709,942.
- Holdstock, Norman G., to General Electric Co. 2,714,115, Cl. 260—448.8.
- Holes, Floyd A., to The Dobeckman Co. 2,725,324, Cl. 154—120.
- Holga Metal Production Co.: *See*—  
Roberts, Judson E. 2,719,770.
- Holiday Casuals, Inc.: *See*—  
Dinolfo, Charles. 2,718,073.
- Holiday, Theodore B.: *See*—  
Spitler, Clem H., and Moon. 2,717,982.
- Holin, William F., to General Motors Corp. 2,725,124, Cl. 188—206.
- Holke, Eugene E.: *See*—  
Hoffman, Joseph D., and Holke. 2,707,775.
- Holl, Raymond, and W. Deacon, to Power Jets (Research and Development) Ltd. 2,709,888, Cl. 60—35.6.
- Holladay, Forrest E. 2,728,145, Cl. 33—199.
- Hollamon, Vera B. 2,710,123, Cl. 223—35.
- Holland, Arnold J.: *See*—  
Shafer, Henry M., and Holland. 2,702,263.
- Holland, David O., to Beecham Research Laboratories Ltd. 2,717,252, Cl. 260—309.5.
- Holland, David O., to Beecham Research Laboratories Ltd. 2,717,253, Cl. 260—309.5.
- Holland, Edmund D.: *See*—  
Ashton, Benjamin N., and Holland. 2,703,217.
- Holland, Ernest O., and J. B. Smith, to Pye Ltd. 2,705,285, Cl. 250—36.
- Holland, Gordon M., to Western Electric Co., Inc. 2,698,764, Cl. 294—67.
- Holland, Herbert S., to The Waterbury Tack Co., Inc. 2,714,449, Cl. 206—66.
- Holland Hitch Co.: *See*—  
Geerds, Henry A. 2,718,411.
- Holland, John H.: *See*—  
Cahoon, Edward F., Holland, and MacDonald. 2,711,442.
- Holland, John P.: *See*—  
Wolf, Cecil R., Holland, and Seidel. 2,708,478.
- Holland, Joseph R., ½ to C. C. Rogers. 2,727,370, Cl. 64—17.
- Holland, Raymond P., Jr. 2,698,724, Cl. 244—154.
- Holland, Victor L. 2,713,710, Cl. 25—118.
- Holland, William B. 2,713,747, Cl. 46—98.
- Hollandbeck, Raymond F., to Westinghouse Electric Corp. 2,727,139, Cl. 250—20.
- Hollander, William L., to A. B. Chance Co. 2,707,220, Cl. 200—166.
- Holloway, Roy L. 2,698,653, Cl. 158—13.6.
- Holle, Kurt G. V.: *See*—  
Dimroth, Karl J., Holle, Hamm, and Jaenicke. 2,698,844.
- Holle, Kurt G. V.: *See*—  
Dimroth, Karl, Holle, Hamm, and Jaenicke. 2,719,844.
- Holleman, Clarence H.: *See*—  
Amster, Warren H., Holleman, and Browne. 2,712,420.
- Hollenbeck, Gerald R. 2,718,166, Cl. 81—65.
- Hollerith, Charles, to The Apex Electrical Mfg. Co. 2,701,574, Cl. 134—57.
- Holleron, William K.: *See*—  
Louden, Edgar W., and Holleron. 2,723,054.
- Holley Carburetor Co.: *See*—  
Quinby, Charles E., Udale, and Giese. 2,705,866.
- Roberts, David T. 2,711,162.
- Skay, Frank. 2,722,584.
- Udale, Stanley M. 2,709,207.
- Holley, Earl: *See*—  
Bobier, Wilfred S., Jr. 2,700,276.
- Bobier, Wilfred S., Jr. 2,702,560.
- Holley, George M.: *See*—  
Bobier, Wilfred S., Jr. 2,700,276.
- Bobier, Wilfred S., Jr. 2,702,560.
- Hollick, John G.: *See*—  
McIlvin, Donald B., and Hollick. 2,704,932.
- Holliman, James E., and R. D. Brooks, ½ to J. A. Rountree. 2,715,985, Cl. 223—73.
- Hollinger, Walter H., to The C. F. Pease Co. 2,714,393, Cl. 137—563.
- Hollingshead, Ethan A.: *See*—  
Phillips, Norman W. F., Rapson, and Hollingshead. 2,723,911.
- Hollingsworth, Clinton A., to Smith-Douglass Co., Inc. 2,720,972, Cl. 209—462.
- Hollingsworth, Clinton A., to Smith-Douglass Co., Inc. 2,726,928, Cl. 23—88.
- Hollingsworth, Clinton A., and J. L. Wester, to Smith-Douglass Co., Inc. 2,724,501, Cl. 209—166.
- Hollingsworth, John H., and K. L. Bedell, to Holly Mfg. Co. 2,719,666, Cl. 230—114.
- Hollingsworth, Philip M., to Johnson and Phillips Ltd. 2,710,273, Cl. 154—2.26.
- Hollingsworth, Raphael. 2,723,866, Cl. 280—512.
- Hollingsworth, Vern C. 2,700,557, Cl. 282—22.
- Hollins, Jesse R. 2,706,807, Cl. 340—81.
- Hollins, Jesse R. 2,706,808, Cl. 340—81.
- Hollins, Jesse R. 2,706,809, Cl. 340—81.
- Hollins, Jesse R. 2,707,736, Cl. 200—115.5.
- Hollins, Jesse R. 2,717,331, Cl. 315—77.
- Hollins, Jesse R. 2,724,102, Cl. 340—81.
- Hollinshead, James A., to Consolidated Paper Co. 2,724,496, Cl. 206—60.
- Hollis, Grady W. 2,725,811, Cl. 97—47.41.
- Hollis, Frank, Jr.: *See*—  
Flynn, Charles E., and Hollis. 2,720,460.
- Hollis, James E., Jr., to Crompton & Knowles Loom Works. 2,705,976, Cl. 139—188.
- Hollis, Robert F., to Alton Box Board Co. 2,701,988, Cl. 92—43.
- Hollister, Bertram K. 2,698,508, Cl. 56—332.
- Hollister, Edwin S., to General Electric Co. 2,725,816, Cl. 99—401.
- Hollman, Edward G., E. M. Morse, and J. S. Bone, to The Eagle-Picher Co. 2,727,083, Cl. 136—30.
- Hollman, Peter I., to Geo. D. Roper Corp. 2,715,940, Cl. 158—131.
- Hollmann, Hans E., to the United States of America as represented by the Secretary of the Navy. 2,707,223, Cl. 201—73.
- Hollmann, Hans E. 2,728,065, Cl. 340—24.
- Hollmann, Julius Z., to The Patent and Licensing Corp. 2,711,970, Cl. 117—5.
- Holloman, Forrest E. 2,717,410, Cl. 16—29.
- Hollopette, John H., and J. W. Anthony, to General Electric Co. 2,701,588, Cl. 140—71.6.
- Holloway, Dennis G., to British Telecommunications Research Ltd. 2,727,210, Cl. 332—24.
- Holloway, Don C., and R. H. Ensign, to The Hough Shade Corp. 2,713,899, Cl. 160—199.
- Holloway, Raymond A., to Lockheed Aircraft Corp. 2,724,782, Cl. 307—127.
- Holloway, William J. 2,716,249, Cl. 12—146.
- Hollstein, Oswald C., to F-R Machine Works. 2,707,137, Cl. 311—6.
- Hollub, Arthur. 2,707,036, Cl. 192—3.
- Holly, Harry H., to Hollymatic Corp. 2,706,830, Cl. 17—32.
- Holly Mfg. Co.: *See*—  
Hollingsworth, John H., and Bedell. 2,719,666.
- Holly Sugar Corp.: *See*—  
Cooper, Albert L. 2,703,225.
- Hollyday, James H., to The Sperry Corp. 2,711,687, Cl. 100—43.
- Hollymatic Corp.: *See*—  
Holly, Harry H. 2,706,830.
- Holm, Bengt L., to Svenska Aktiebolaget Gasaccumulator. 2,721,998, Cl. 343—18.
- Holm, Erik G., to Lumalampan Aktiebolag. 2,710,912, Cl. 240—52.4.
- Holm, Hans F., and N. F. Hoppe, to Smallpiece Ltd. 2,709,450, Cl. 137—622.5.
- Holm, Karl V., to Vinco Corp. 2,712,754, Cl. 73—81.
- Holm, Otto, to H. Mahak A. G. 2,712,793, Cl. 103—148.
- Holm, Richard: *See*—  
Jensen, Gunnar, and Holm. 2,708,424.
- Holm, Roy T.: *See*—  
Smith, Curtis W., and Holm. 2,718,529.
- Holm-Hansen, Osmund, ½ to J. N. Ledbetter, Jr. 2,699,838, Cl. 183—37.
- Holman, Arthur J. 2,713,285, Cl. 88—16.8.
- Holman Brothers Ltd.: *See*—  
Brown-Coombes, Frank. 2,721,057.
- Coombes, Frank B. 2,720,956.



- Holman, Emmette R., to Turco Products, Inc. 2,700,654, Cl. 252—118.
- Holman, Frank H.: *See*—  
Pfalzgraff, Ross M., and Holman. 2,699,230.
- Holman, Helvie H., and W. W. Chatham. 2,713,763, Cl. 56—400.1.
- Holman, Herbert E., and G. C. Newton, to Electric & Musical Industries Ltd. 2,716,921, Cl. 88—18.4.
- Holman, Wesley A.: *See*—  
Hopkins, George W., and Holman. 2,703,678.
- Holmberg, Tor F.,  $\frac{1}{2}$  to B. Gronblom. 2,721,813, Cl. 117—114.
- Holmboe, Lawrence S. 2,724,890, Cl. 29—150.
- Holmboe, Lawrence S. 2,727,712, Cl. 248—357.
- Holmen, Reynold E., to Minnesota Mining & Mfg. Co. 2,706,191, Cl. 260—67.
- Holmer, Edwin C.: *See*—  
Pappas, George F., Sykes, and Holmer. 2,702,696.
- Holmes, Alvin W., and R. H. Burns, to Indiana Steel & Wire Co., Inc. 2,708,181, Cl. 204—28.
- Holmes, Burton F., and H. H. Heindel, to Schultz Die Casting Co. 2,700,737, Cl. 307—112.
- Holmes, David D., and T. O. Stanley, to Radio Corp. of America. 2,708,717, Cl. 250—27.
- Holmes, David L. 2,706,631, Cl. 272—59.
- Holmes, Edward C.: *See*—  
Boerner, Lewis W., Holmes, and Murray. 2,703,146.
- Holmes, Frank G. 2,712,039, Cl. 179—150.
- Holmes, Fred T. 2,717,693, Cl. 209—72.
- Holmes, Frederick T., and R. E. Taber, to the United States of America as represented by the Secretary of the Navy. 2,715,813, Cl. 60—35.6.
- Holmes, Gene C. 2,714,742, Cl. 16—166.
- Holmes, George W. 2,722,791, Cl. 51—204.
- Holmes, Gifford I., to Milwaukee Gas Specialty Co. 2,719,199, Cl. 200—139.
- Holmes, John P. 2,705,896, Cl. 81—57.
- Holmes, Lynn C., to Stromberg-Carlson Co. 2,709,204, Cl. 179—100.2.
- Holmes, Merrell E., to Toledo Scale Co. 2,722,196, Cl. 116—129.
- Holmes, Morris P., to Jones & Lamson Machine Co. 2,707,892, Cl. 81—52.4.
- Holmes, Paul A. 2,721,415, Cl. 43—81.
- Holmes, Peter D.: *See*—  
Thomas, William L., and Holmes. 2,726,145.
- Holmes, Robert G.: *See*—  
Crowley, George C., Holmes, and Check. 2,704,803
- Holmes, Trent H.: *See*—  
Chandler, Milton E., and Holmes. 2,700,275.
- Holmgren, Viking R., to General Electric Co. 2,723,358, Cl. 310—214.
- Holmsten, Neil O. 2,722,819, Cl. 70—129.
- Holmwood, Richard H., to International Business Machines Corp. 2,700,556, Cl. 281—5.
- Holopainen, Vaino J., to Wain-Roy Corp. 2,698,697, Cl. 214—138.
- Holophane Co., Inc.: *See*—  
Franck, Kurt. 2,721,931.
- Wince, Vearl S. 2,710,340.
- Holoye, Jules A. 2,706,897, Cl. 64—14.
- Holritz, Edward W., to Westchester Hardware, Inc. 2,721,751, Cl. 292—169.
- Holroyd, Eric: *See*—  
Crabbe, John D., and Holroyd. 2,708,228.
- Holroyd, Eric, and G. K. Bailey, to Dunlop Tire and Rubber Corp. 2,719,991, Cl. 12—88.
- Holroyd, Eric, and D. L. Jenkins, to Dunlop Tire and Rubber Corp. 2,723,330, Cl. 219—4.
- Holsapple, Harvey T.,  $\frac{1}{2}$  to Kemart Corp. 2,726,200, Cl. 204—17.
- Holschuh, Carl G.: *See*—  
Knowles, Richard C., Holschuh, and White. 2,715,776.
- Holshouser, Louisa M. 2,717,395, Cl. 2—243.
- Holshouser, R. J.: *See*—  
Frye, Leonard F. 2,702,934.
- Holst, John C.,  $\frac{1}{3}$  to L. W. Bennie and  $\frac{1}{3}$  to F. K. Bennie. 2,701,331, Cl. 318—128.
- Holstebro, Kaye B., E. Ardell, and J. H. Mosley, to Emhart Mfg. Co. 2,728,177, Cl. 53—37.
- Holstein, Alvin W., to Knapp-Monarch Co. 2,701,698, Cl. 248—13.
- Holt, Calvert P.: *See*—  
Hook, Christopher. 2,708,894.
- Holt, Claude G. 2,708,277, Cl. 10—89.
- Holt, Edward. 2,707,980, Cl. 145—20.
- Holt, Jared L.: *See*—  
Hodil, Ralph W., and Holt. 2,718,474.
- Holt, Jerome C. 2,712,433, Cl. 254—121.
- Holt, John E., to The Danielson Mfg. Co. 2,707,004, Cl. 139—160.
- Holt, John E., to The Danielson Mfg. Co. 2,720,332, Cl. 220—4.
- Holt, John G., to Research Corp. 2,728,525, Cl. 235—61.
- Holt, Lawrence C.: *See*—  
Gibson, Eugene C., and Holt. 2,722,983.
- Holt, Marcus L., and F. P. Wright, to Chattanooga Welding & Machine Co., Inc. 2,723,012, Cl. 192—33.
- Holte, Paul C., to Berns Mfg. Corp. 2,712,157, Cl. 18—19.
- Holthouse, Harry B.: *See*—  
Holthouse, Harry B., Sr., and H. B. Holthouse, Jr. 2,698,744.
- Holthouse, Harry B., Jr.: *See*—  
Holthouse, Harry B., Sr., and H. B. Holthouse, Jr. 2,698,744.
- Holthouse, Harry B., Sr. and H. B. Holthouse, Jr., to H. B. Holthouse. 2,698,744, Cl. 261—24.
- Holthouse, Theodore H., and H. Presba. 2,723,611, Cl. 97—13.
- Holtje, Malcolm C., to General Radio Co. 2,715,718, Cl. 340—149.
- Holtkamp, Clarence E., to M. L. Campbell. 2,711,174, Cl. 130—25.
- Holtkamp, Clifford F., to Kamp Metal Products Co. 2,728,514, Cl. 229—49.
- Holtmeyer, George L. 2,718,163, Cl. 81—3.
- Holton, Addison E., to Essex Wire Corp. 2,704,355, Cl. 339—94.
- Holton, Charles D., to General Motors Corp. 2,705,870, Cl. 60—60.
- Holtshouser, Herbert W. 2,709,198, Cl. 174—67.
- Holtz, Jacob. 2,713,386, Cl. 155—196.
- Holtz, Quentin G., to Gulf Research & Development Co. 2,717,347, Cl. 318—207.
- Holtzclaw, John B.: *See*—  
Paulsen, Henry C., Holtzclaw, and McNamara. 2,701,750.
- Holum, Edwin B.,  $\frac{1}{4}$  to H. R. Jenkins,  $\frac{1}{4}$  to J. Stantus, and  $\frac{1}{4}$  to B. E. Toth. 2,720,121, Cl. 74—480.
- Holycross, Frank R., Jr., to The Murray Corp. of America. 2,706,298, Cl. 4—203.
- Holyoak, John K., J. Robbins, W. A. Smart, and A. E. Wills, to United Shoe Machinery Corp. 2,722,023, Cl. 12—61.
- Holzer, Josef. 2,714,213, Cl. 10—130.
- Holzinger, Rudolph J., to Socony Mobile Oil Co., Inc. 2,711,378, Cl. 117—164.
- Holzmann, Hermann, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. 2,703,433, Cl. 18—8.
- Holzmueller, Charles T., Sr. 2,710,038, Cl. 152—218.
- Holzwarth, Hans T., to The M. W. Kellogg Co. 2,707,919, Cl. 103—6.
- Holzwarth, Hans T., to The M. W. Kellogg Co. 2,710,580, Cl. 103—115.
- Holzwarth, James C., to General Motors Corp. 2,720,459, Cl. 75—178.
- Homan, Paul J., to Koppers Co., Inc. 2,724,514, Cl. 214—18.
- Homan, William H.: *See*—  
Richardson, Ralph R., Homan, and Ritter. 2,711,676.
- Homann, Willy. 2,728,385, Cl. 158—118.
- Home Washer Corp.: *See*—  
Hay, Edwin F. 2,703,484.
- Homer, Horace H.: *See*—  
Butler, Keith H., and Homer. 2,728,730.
- Homes, Alexander M. 2,718,167, Cl. 81—91.
- Homme, Olaf. 2,718,020, Cl. 15—36.
- Hompe, Robert W., C. C. Hall, and G. E. Martell, to Smith, Kline & French Laboratories. 2,698,707, Cl. 226—19.
- Homuth, Walter J. 2,715,842, Cl. 74—230.17.
- Hondeville, August I., to W. A. Hondeville. Re. 24,041, Cl. 299—47.
- Hondeville, Walter A.: *See*—  
Hondeville, August I. Re. 24,041.
- Honeggers' & Co., Inc.: *See*—  
Loomis, Allen P. 2,708,868.
- Honerkamp, Friedrich, to Anemostat Corp. of America. 2,713,300, Cl. 98—40.
- Honeycomb Co. of America, Inc.: *See*—  
Beamish, Bernard D. 2,722,735.
- Honig, Bernard A., to N. V. Betonfabriek "De Meteor." 2,705,079, Cl. 214—1.
- Honig, Frank. 2,718,747, Cl. 57—88.
- Honig, Richard E., to Socony Mobil Oil Co., Inc. 2,715,339, Cl. 73—391.
- Honigsberg, Robert. 2,725,568, Cl. 2—139.
- Honiss, William T., to Emhart Mfg. Co. 2,707,353, Cl. 49—54.
- Honiss, William T., to Emhart Mfg. Co. 2,725,682, Cl. 49—55.
- Honold, Ernst: *See*—  
Zerweck, Werner, Honold, and Schubert. 2,727,894.
- Honold, Ludwig, Mfg. Co.: *See*—  
Gould, William F., and Brail. 2,708,509.
- Honold, Richard E. 2,721,631, Cl. 189—28.
- Honorary Advisory Council for Scientific and Industrial Research, The: *See*—  
Henshaw, David G. 2,701,092.
- Honrath, Werner: *See*—  
Lieneweg, Fritz, Honrath, and Kaske. 2,702,494.
- Hood, Archie, to Ozark-Mahoning Co. 2,712,548, Cl. 260—461.
- Hood, Arthur J. 2,727,505, Cl. 126—25.
- Hooffstetter, Frank J., and H. C. Newberry. 2,718,106, Cl. 53—24.
- Hoogenstraaten, Willy: *See*—  
Kröger, Ferdinand A., and Hoogenstraaten. 2,714,581.
- Hook, Edwin O.: *See*—  
Naylor, Ralph A., and Hook. 2,723,969.
- Hook, Edwin O., and L. C. Beegle, to American Cyanamid Co. 2,717,241, Cl. 252—32.7.
- Hood, Eugene J., to Flex-O-Lators, Inc. 2,715,230, Cl. 5—35.4.
- Hook, Christopher, 25% to C. P. Holt. 2,708,894, Cl. 114—66.5.
- Hooker, Donald E.: *See*—  
Kihl, Asbjorn, and Hooker. 2,722,382.
- Hooker, Donald E., to R. T. Moloney. 2,710,756, Cl. 273—125.
- Hooker Electrochemical Co.: *See*—  
Johnson, Arnold N. 2,724,730.
- Kimball, Richard H., and Smith. 2,699,456.
- Maude, Aylmer H., and Rosenberg. 2,714,124.
- Smith, Keith J., and Sconce. 2,699,455.
- Hooker, Emerson F. 2,706,300, Cl. 5—296.



- Hook-Flex Corp.: *See*—  
Markin, Louis. 2,703,915.
- Hookway, Raymond H., to The Sherwin-Williams Co. 2,714,560, Cl. 117—41.
- Hoop, Frederick R.,  $\frac{1}{2}$  to S. M. Koukios. 2,713,827, Cl. 103—44.
- Hooper, F. X., Co., Inc.: *See*—  
Rockstrom, Leonard, Ward, and Jindra. 2,720,910.  
Rockstrom, Leonard, and Winship. 2,704,208.
- Hooper, Gilman S., to Industrial Rayon Corp. 2,723,900, Cl. 18—54.
- Hooper, James M., to The B. F. Goodrich Co. 2,703,517, Cl. 97—56.
- Hooper, Irving R.: *See*—  
Fardig, Oliver B., and Hooper. 2,717,892.
- Hooven, Frederick J. 2,714,842, Cl. 95—4.5.
- Hooven, Frederick J., to Harris-Seybold Company. 2,714,843, Cl. 95—4.5.
- Hoover, Arthur M., and F. A. Greenawalt, to Ranco Inc. 2,707,584, Cl. 226—20.1.
- Hoover Co., The: *See*—  
Beach, Justice H. 2,724,197.  
Bell, William C. 2,718,135.  
Bidwell, William R. 2,727,710.  
Blyth, Charles R. 2,698,910.  
Brace, George A. 2,707,527.  
Brace, George A. 2,710,072.  
Brace, George A. 2,713,222.  
Brace, George A. 2,713,223.  
Brace, George A. 2,713,224.  
Brace, George A. 2,718,076.  
Brace, George A. 2,719,317.  
Brace, George A. 2,719,319.  
Brace, George A. 2,719,371.  
Brace, George A. 2,719,597.  
Brace, George A. 2,719,600.  
Brace, George A. 2,719,702.  
Brace, George A. 2,722,285.  
Brace, George A. 2,725,114.  
Brace, George A. 2,727,321.  
Colston, Charles B. 2,727,379.  
Cropley, William D. 2,719,599.  
Dalger, George P., and Seck. 2,724,140.  
Dunn, Harold G. 2,708,246.  
Gerber, Dale C. 2,700,430.  
Gerber, Dale C. 2,727,262.  
Gerber, Dale C., and Seck. 2,722,993.  
Cuddeback, Nelson C. 2,714,220.  
Humphrey, Warren A. 2,724,141.  
Seck, Werner G. 2,713,381.  
Seck, Werner G., and Gerber. 2,722,996.  
Smellie, Donald G. 2,713,221.  
Swann, Edward R. 2,705,054.  
Tschudy, Donald B. 2,719,318.  
Vance, John E. 2,707,622.  
Vance, John E. 2,724,198.  
Vance, John E. 2,727,320.  
Vance, John E., Gerber, and Smith. 2,710,469.  
White, Harry B. 2,714,426.  
White, Harry P. 2,727,395.  
Ziegler, Brandt F., Jr. 2,727,762.
- Hoover, Dillon B., to Westinghouse Electric Corp. 2,707,240, Cl. 307—26.
- Hoover, Edwin W., to The Udyllite Corp. 2,707,167, Cl. 204—52.
- Hoover, Keith S., to A. B. Dick Co. 2,699,113, Cl. 101—128.4.
- Hoover, Keith S., to A. B. Dick Co. 2,715,363, Cl. 101—426.
- Hoover, Keith S., to A. B. Dick Co. 2,721,821, Cl. 154—95.
- Hoover, Lawrence E. de S., to M. M. Hoover. 2,700,460, Cl. 206—46.
- Hoover, Leon J. 2,704,165, Cl. 214—383.
- Hoover, Merle M.: *See*—  
Hoover, Lawrence E. 2,700,460.  
Byno, Earle R., and McKillop. 2,700,518.
- Hoover, Merle V., to Radio Corp. of America. 2,707,250, Cl. 315—163.
- Hoover, Merle V., to Radio Corp. of America. 2,711,505, Cl. 321—13.
- Hoover, Walter M.,  $\frac{1}{2}$  to J. L. Powers. 2,725,231, Cl. 272—72.
- Hopf, Peter P., and R. E. J. Lishmund, to Ward, Blenkinsop & Co., Ltd. 2,721,152, Cl. 117—212.
- Hopf, Peter P., and R. E. J. Lishmund, to Ward, Blenkinsop & Co., Ltd. 2,721,153, Cl. 117—212.
- Hopf, Peter P., and R. E. J. Lishmund to Ward, Blenkinsop & Co., Ltd. 2,721,154, Cl. 117—226.
- Hopf, Fred P.: *See*—  
Sasgen, Anthony M., and Hopfeld. 2,709,015.
- Hopf, Fred P., to Grand Specialties Co. 2,708,048, Cl. 214—651.
- Hopf, Samuel, to Polytechnic Research & Development Co., Inc. 2,710,383, Cl. 333—98.
- Hopf, Heinrich, and K. Maier, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,701,254, Cl. 260—345.2.
- Hopfinger, Otto, and L. L. and C. P. Weisglass,  $\frac{1}{2}$  to O. Hopfinger and  $\frac{1}{2}$  to L. L. and C. P. Weisglass. 2,700,975, Cl. 128—303.18.
- Hopgood, Roy C., to The New Britain Machine Co. 2,709,386, Cl. 81—61.
- Hopkes, Henry, to No-Sag Spring Co. 2,698,649, Cl. 155—72.
- Hopkins, Alan. 2,725,776, Cl. 82—14.
- Hopkins, Blake, Jr., to Floor Coverings Co. of Puerto Rico, Inc. 2,726,612, Cl. 112—79.
- Hopkins, Cecil W.: *See*—  
Heymering, Marinus, and Hopkins. 2,700,167.
- Hopkins, Clarence N. 2,721,618, Cl. 181—43.
- Hopkins, David W., to S. Morgan Smith Co. 2,704,947, Cl. 74—625.
- Hopkins, Elmer L. 2,700,976, Cl. 130—22.
- Hopkins, Ervin W.: *See*—  
Coleman, Harold M., and Hopkins. 2,711,373.
- Hopkins, Evan L. 2,714,918, Cl. 153—48.
- Hopkins, George W., to Friden Calculating Machine Co., Inc. 2,714,991, Cl. 235—79.
- Hopkins, George W., and W. A. Holman, to Friden Calculating Machine Co., Inc. 2,703,678, Cl. 235—92.
- Hopkins, James H.: *See*—  
Olson, Arthur A., and Hopkins. 2,699,155.
- Hopkins, John R., and F. E. McNulty. 2,721,823, Cl. 154—104.
- Hopkins, Kenneth G.: *See*—  
Wiltsie, James N., and Hopkins. 2,704,672.
- Hopkins, Leonard O. 2,724,135, Cl. 14—36.
- Hopkins, Lionel P. 2,704,896, Cl. 34—76.
- Hopkins, Lloyd C., H. H. Schrickel, Jr., and V. L. Wainwright, to Corning Glass Works. 2,699,013, Cl. 49—29.
- Hopkins, Mark C.: *See*—  
Brandt, Preston L., and Hopkins. 2,726,999.
- Fragen, Nathan, and Hopkins. 2,727,077.
- Hopkins, Neil E., to Flakice Corp. 2,701,452, Cl. 62—105.
- Hopkins, Roscoe B.,  $\frac{1}{2}$  to A. L. Ketchum. 2,717,152, Cl. 267—20.
- Hopkinson, Thomas W. 2,714,656, Cl. 250—17.
- Hoppe, Alfred, to Edeleanu Gessellschaft m. b. H. 2,712,519, Cl. 202—39.
- Hoppe, Nils F.: *See*—  
Holm, Hans F., and Hoppe. 2,709,450.
- Hoppe, Robert C.: *See*—  
Ensign, George G., and Hoppe. 2,706,380.
- Hoppe, Walter. 2,699,290, Cl. 235—61.
- Hoppe, William, to National Bread Wrapping Machine Co. 2,704,592, Cl. 198—24.
- Hopper, Andrew L., to Bell Telephone Laboratories, Inc. 2,701,305, Cl. 250—27.
- Hopper, Andrew L., to Bell Telephone Laboratories, Inc. 2,721,980, Cl. 332—23.
- Hopper, Andrew L., to Bell Telephone Laboratories, Inc. 2,725,555, Cl. 343—17.1.
- Hopper Machine Works, Inc.: *See*—  
Lee, Francis H. 2,703,634.
- Hopper, Mary M. 2,720,964, Cl. 206—47.
- Hopper, Oscar B. 2,725,634, Cl. 33—21.
- Hopper, Ralph V.: *See*—  
Houston, Jacques B., and Hopper. 2,727,390.
- Hoppert, Filser D., to the United States of America as represented by the Secretary of the Army. 2,715,858, Cl. 89—193.
- Hoppert, Grace V. 2,720,913, Cl. 155—127.
- Hoppes, Lloyd G., to L. Wilkinson. 2,717,104, Cl. 222—177.
- Hopton, Alan: *See*—  
Russell, Alexander, and Hopton. 2,721,077.
- Hopton, Alfred W. 2,719,429, Cl. 73—100.
- Horace, Julia E.: *See*—  
Goynes, Crawford W. 2,707,963.
- Horan, John P. 2,711,623, Cl. 56—23.
- Horback, William B., and W. D. Paist, to Celanese Corp. of America. 2,715,584, Cl. 117—5.1.
- Horbatt, Paul F.: *See*—  
Folley, Cranston W., Galliers, and Horbatt. 2,727,611.
- Horclois, Raymond J., and J. Metivier, to Societe des Usines Chimiques Rhone-Poulenc. 2,708,670, Cl. 260—306.8.
- Hore, Thomas W. 2,713,231, Cl. 46—107.
- Horejs, Edward R.: *See*—  
Russell, Frank C., and Horejs. 2,720,010.
- Horeyseck, Paul W.: *See*—  
Bolton, Philip S., and Horeyseck. 2,727,439.
- Horiak, Erwin A. V.: *See*—  
Kuepfer, Matthew C., Horiak, and Bouchez. 2,709,425.
- Horii, Shinjiro. 2,713,820, Cl. 101—126.
- Horine, Cyrus F. 2,699,296, Cl. 242—1.
- Horizons Inc.: *See*—  
Fisher, Elwyn D., and Green. 2,723,928.
- Wainer, Eugene. 2,707,697.
- Wainer, Eugene. 2,723,930.
- Horizons Titanium Corp.: *See*—  
Sibert, Merle E., and McKenna. 2,723,182.
- Steinberg, Morris A., Sibert, and Topinka. 2,707,169.
- Wainer, Eugene. 2,707,170.
- Wainer, Eugene. 2,722,509.
- Wainer, Eugene. 2,724,635.
- Wainer, Eugene, and Sibert. 2,707,168.
- Wainer, Eugene, and Sibert. 2,714,575.
- Horkheimer, Ben., to Wisconsin Farmco Service Cooperative. 2,720,326, Cl. 214—520.
- Horlacher, Herman, to The Cincinnati Milling Machine Co. 2,703,040, Cl. 90—21.5.
- Horlacher, Herman, to The Cincinnati Milling Machine Co. 2,713,772, Cl. 60—52.
- Horland, Richard D. 2,706,492, Cl. 137—607.
- Hörlein, Hans U., H. Andersag, and H. Timmler, to Schenley Industries, Inc. 2,714,593, Cl. 260—287.
- Horlick, Gordon T., to Harry Williams Mfg. Co. 2,726,649, Cl. 124—26.
- Hornmuth, Frank J., and W. S. Cook, to Sackner Products, Inc. 2,717,636, Cl. 155—184.
- Horn, Emil A., to Russell & Stoll Co., Inc. 2,701,348, Cl. 339—90.
- Horn, John S.: *See*—  
Fitko, Chester W., and Horn. 2,706,188.
- Horn, Thurman W. 2,707,460, Cl. 123—41.86.



- Horn, Willi: *See*—  
Riepert, Hermann, Horn, and Stumpf. 2,718,811.
- Horn, William D.: *See*—  
Reynolds, Gibson. 2,716,702.
- Hornaday, James R., and D. H. Reeves, to Borg-Warner Corp. 2,718,121, Cl. 62—4.
- Hornberger, John L.: *See*—  
Lerch, Edward J., Thompson, and Hornberger. 2,698,530.
- Hornbostel, Lloyd, to Beloit Iron Works. 2,699,096, Cl. 92—44.
- Hornbostel, Lloyd, to Beloit Iron Works. 2,714,538, Cl. 308—77.
- Hornbostel, Lloyd, to Beloit Iron Works. 2,718,180, Cl. 92—47.
- Hornbostel, Lloyd, to Beloit Iron Works. 2,718,824, Cl. 92—44.
- Hornbostel, Lloyd, to Beloit Iron Works. 2,719,065, Cl. 308—122.
- Hornbruch, Hugo, and H. C. Bartley, and H. Flinn, to Weston Electrical Instrument Corp. 2,719,293, Cl. 346—145.
- Horne, James C.: *See*—  
Cutting, Leslie A., and Horne. 2,706,958.
- Horne, Kenneth W. 2,700,880, Cl. 66—163.
- Hornell, Alex, to Saywell Associates. 2,701,150, Cl. 286—11.
- Horner, Earl V. 2,726,634, Cl. 118—505.
- Horner, Frank W.: *See*—  
Wiggins, John H., Allen, and Horner. 2,723,908.
- Horner, Fred S.: *See*—  
Eck, Robert N., and Horner. 2,725,513.
- Horner, William M. 2,702,180, Cl. 255—1.8.
- Hornfeck, Anthony J.: *See*—  
Alexander, Frank M., and Hornfeck. 2,708,730.
- Hornfeck, Anthony J., to Bailey Meter Co. 2,718,144, Cl. 73—205.
- Hornfeck, Anthony J., to Bailey Meter Co. 2,724,082, Cl. 318—482.
- Hornibrook, Floyd B., to Best Fertilizers Co. 2,700,605, Cl. 71—40.
- Horning, James W., to General Textile Mills, Inc. 2,719,686, Cl. 244—151.
- Horning, James W., to General Textile Mills, Inc. 2,725,204, Cl. 244—151.
- Hornschnuch, Hanns, to Ingersoll-Rand Co. 2,706,651, Cl. 286—11.
- Horowitz, Leopold A., and D. J. Carlson, to Radio Corp. of America. 2,702,344, Cl. 250—20.
- Horrocks, Walter E. Re. 24,012, Cl. 220—90.
- Horsfall, Robert B., Jr.: *See*—  
Smith, Robert E., Wuerth, Horsfall, Goldberg, and Leine. 2,713,266.
- Horsfall, Robert B., Jr., to North American Aviation, Inc. 2,707,898, Cl. 88—1.
- Horst, John C. 2,703,578, Cl. 128—352.
- Horstmann, Bevan G., and S. H. Stevenson. 2,724,900, Cl. 33—199.
- Horstmann, Frederick O. 2,712,763, Cl. 74—568.
- Horth, Walter, to Herbert Simpson Corp. 2,707,314, Cl. 22—217.
- Horth, Walter, to Herbert Simpson Corp. 2,714,237, Cl. 22—89.
- Horth, Walter, to Herbert Simpson Corp. 2,727,696, Cl. 241—124.
- Hortman, Harvey E., Jr.: *See*—  
Wagner, Robert J., and Hortman. 2,702,336.
- Wagner, Robert J., and Hortman. 2,710,627.
- Horton, Adolphus V.: *See*—  
Horton, Joseph R. and A. V. 2,704,468.
- Horton, Bruce A.: *See*—  
Maginn, Edward J., and Horton. 2,727,643.
- Horton, Erwin C., and R. Deibel, to Trico Products Corp. 2,722,200, Cl. 121—164.
- Horton, John W.: *See*—  
Anderson, Arthur G., Horton, and Walker. 2,718,629.
- Horton, Joseph R. and A. V. 2,704,468, Cl. 74—688.
- Horton, Paul V., to Plax Corp. Re. 24,062, Cl. 154—139.
- Horton, Verne K. 2,704,038, Cl. 104—173.
- Horton, William F.: *See*—  
Evans, William G., and Horton. 2,709,776.
- Horton, William F., to Westinghouse Electric Corp. 2,725,515, Cl. 321—19.
- Horton, Winthrop S., and C. J. Lucia, to Studebaker-Packard Corp. 2,701,630, Cl. 188—152.
- Horvath, Alexander M., 20% to F. H. Harmon, 20% to T. A. Grabien, 20% to A. F. Brooker, and 20% to H. Prusha. 2,710,224, Cl. 298—22.
- Horvath, Artemy A. 2,717,207, Cl. 99—2.
- Horvath, John F., to Cleaver-Brooks Co. 2,711,710, Cl. 116—114.
- Horvath, Louis F. 2,724,848, Cl. 15—121.3.
- Horvath, Steven. 2,727,527, Cl. 137—403.
- Horvay, Julius B., to General Electric Co. 2,701,454, Cl. 62—108.5.
- Horvay, Julius B., to General Electric Co. 2,718,125, Cl. 62—106.
- Horvay, Julius B., to General Electric Co. 2,720,674, Cl. 16—82.
- Horwin, Isidore L. 2,725,913, Cl. 150—39.
- Hosack, Gerald C., to W. S. Cloud. 2,700,094, Cl. 219—19.
- Hosdreg Co., Inc.: *See*—  
Blanton, Grover. 2,708,548.
- Hose, Alfred G., G. P. Wennes, Jr., and H. L. Salter, to The Lindsay Wire Weaving Co. 2,718,791, Cl. 74—239.
- Hosemaster Machine Co. Ltd.: *See*—  
Wickardt, Kurt W. 2,701,457.
- Wickardt, Kurt W. 2,716,877.
- Wickardt, Kurt W. 2,722,815.
- Hosfield, Lee C., to Union Carbide and Carbon Corp. 2,715,597, Cl. 154—117.
- Hosford, Harry W., Jr. 2,700,649, Cl. 204—196.
- Hosford, Norman F., to Bendix Aviation Corp. 2,706,407, Cl. 73—182.
- Hosford, Norman F., to Bendix Aviation Corp. 2,726,075, Cl. 264—1.
- Hoskings, Alice P. 2,722,686, Cl. 2—74.
- Hoskins, Everett L., and J. W. Lee, to Cook-Waite Laboratories, Inc. 2,707,466, Cl. 128—218.
- Hoskins, John K., to Hospital Sanitation Equipment Corp. 2,708,074, Cl. 241—17.
- Hosler, Elmer J. 2,714,543, Cl. 311—99.
- Hosler, John F., A. C. Tarjan, and F. L. Howard, to The Board of Trustees of the University of Rhode Island. 2,712,202, Cl. 47—57.5.
- Hosmer, Chester C.: *See*—  
Lauder, Ernie L., and Hosmer. 2,716,822.
- Hosmer, Douglas W., to Raytheon Mfg. Co. 2,722,496, Cl. 154—128.
- Hosmer, William A.: *See*—  
Beller, Hans, and Hosmer. 2,706,701.
- Hospital Sanitation Equipment Corp.: *See*—  
Hoskins, John K. 2,708,074.
- Hostetler, Stanley F.: *See*—  
Allen, Robert E., and Hostetler. 2,719,373.
- Hotchkin, Paul M. 2,723,335, Cl. 219—20.
- Hotchkiss, Clifford, to General Controls Co. 2,722,977, Cl. 158—123.
- Hotchkiss Steel Products Co.: *See*—  
Carter, Raymond. 2,702,977.
- Carter, Raymond. 2,715,307.
- Hott, Ion V. K., and R. J. Haddix, to The Joyce-Cridland Co. 2,708,986, Cl. 187—8.41.
- Hott, Ion V. K., and R. J. Haddix, to The Joyce-Cridland Co. 2,708,987, Cl. 187—8.61.
- Hott, Ion V. K., and R. J. Haddix, to The Joyce-Cridland Co. 2,708,988, Cl. 187—8.75.
- Hottel, Ray, to Chrysler Corp. 2,710,213, Cl. 292—207.
- Hotten, Bruce W., to California Research Corp. 2,709,157, Cl. 252—51.5.
- Hotten, Bruce W., to California Research Corp. 2,719,826, Cl. 252—18.
- Hottiaux, Roland. 2,709,821, Cl. 10—89.
- Hotze, Bent. 2,711,201, Cl. 150—1.5.
- Houck, Gordon H., to Deere Mfg. Co. 2,726,106, Cl. 287—52.06.
- Houck, James P.: *See*—  
Hyde, Merritt A., and Houck. 2,725,552.
- Houdaille-Hershey Corp.: *See*—  
Brundage, Alan D. 2,719,036.
- Chisholm, Harry L., Jr. 2,726,737.
- Dall, Edward D. 2,698,762.
- Dall, Edward D. 2,700,290.
- Dall, Edward D. 2,700,885.
- Gardes, Alfred W. 2,699,475.
- Gardes, Alfred W. 2,714,447.
- Lautz, Carl F. 2,702,099.
- Ludwig, Donald C., and Schatzman. 2,700,553.
- O'Connor, Bernard E. 2,722,849.
- O'Connor, Bernard E. 2,724,983.
- O'Connor, Bernard E., and French. 2,724,339.
- O'Connor, Bernard E., and Grzenkowski. 2,724,893.
- Pierce, William J. 2,700,020.
- Potter, Elbert L., Jr., and Mergi. 2,705,633.
- Rapp, George M. 2,721,731.
- Sandberg, Ray A. 2,709,375.
- Sandberg, Ray A. 2,712,340.
- Sandberg, Ray A. 2,722,732.
- Sebok, Frank. 2,698,743.
- Sebok, Joseph B. 2,698,670.
- Sebok, Joseph B. 2,709,498.
- Houdaille-Hershey of Indiana, Inc.: *See*—  
Beyer, Conrad S., and Kimbro. 2,709,525.
- Gardes, Alfred W. 2,723,058.
- Houdart, Robert. 2,704,223, Cl. 296—26.
- Houdry, Eugene J.: *See*—  
Bowen, William M., III. 2,702,635.
- Houdry, Eugene J., to Oxy-Catalyst, Inc. 2,699,989, Cl. 23—288.
- Houdry Process Corp.: *See*—  
Bland, Rophie E. 2,704,739.
- Boedeker, Edward R., and Erner. 2,719,183.
- Delaplaine, John W. 2,711,350.
- Delaplaine, John W. 2,711,386.
- Delaplaine, John W. 2,726,121.
- Donovan, Joseph J. 2,708,142.
- Kollgaard, Reyner. 2,701,232.
- Kollgaard, Reyner. 2,707,148.
- Kollgaard, Reyner. 2,715,048.
- Milliken, Thomas H., Jr., and Shabaker. 2,699,249.
- Oblad, Alex G., and Heinemann. 2,703,308.
- Oblad, Alex G., and Mills. 2,704,740.
- Oblad, Alex G., and Milliken. 2,723,947.
- Oblad, Alex G., Milliken, and Heinemann. 2,700,013.
- Shabaker, Hubert A. Re. 23,942.
- Shabaker, Hubert A. 2,699,248.
- Shabaker, Hubert A. 2,717,458.
- Shirk, Robert M. 2,702,207.
- Shirk, Robert M. 2,726,146.



- Houdry Process Corp.: *See*—Continued.  
 Shirk, Robert M., and Bruckner. 2,717,809.  
 Snyder, John C. 2,701,813.  
 Stevenson, Donald H. 2,713,949.  
 Voltz, Sterling E. 2,714,054.  
 Weinrich, William W. 2,699,363.  
 Wetzel, John W. 2,704,758.
- Hough, Cass S., to Daisy Mfg. Co. 2,724,897, Cl. 33—54.  
 Hough, Frank G., R. L. Beyerstedt, and M. L. Conrad; said  
 Hough and said Beyerstedt assors, to The Frank G. Hough  
 Co. 2,726,778, Cl. 214—140.  
 Hough, Frank G., Co., The: *See*—  
 Beyerstedt, Ralph L., and Cunningham. 2,720,990.  
 Hough, Frank G., Beyerstedt, and Conrad. 2,726,778.
- Hough, James D.: *See*—  
 Woods, Charles W. 2,700,904.
- Hough Shade Corp., The: *See*—  
 Holloway, Don C., and Ensign. 2,713,899.  
 Teague, Walter D., and Ensign. 2,713,897.
- Houghton, Daniel E., to New York Wire Cloth Co. 2,702,566,  
 Cl. 139—127.
- Houghton, David B. 2,711,017, Cl. 30—130.
- Houghton, Howard D., to Marman Products Co., Inc.  
 2,727,292, Cl. 24—279.
- Houghton, William D., to Radio Corp. of America. 2,700,697,  
 Cl. 178—5.4.
- Houghton, William D., to Radio Corp. of America. 2,721,956,  
 Cl. 315—22.
- Houghton, William D., to Radio Corp. of America. 2,725,419,  
 Cl. 178—5.4.
- Houghton, William D., to Radio Corp. of America. 2,725,470,  
 Cl. 250—27.
- Houldsworth, Joseph,  $\frac{1}{2}$  to A. A. Jones & Shipman Ltd.  
 2,706,467, Cl. 121—46.5.
- Houldsworth, Wallace M. 2,700,348, Cl. 107—49.
- Houldsworth, Wallace M. 2,701,534, Cl. 107—49.
- Houldsworth, Wallace M. 2,712,335, Cl. 150—2.
- Houle, Leon E. 2,714,937, Cl. 181—33.
- Houlis, Louis D. 2,718,200, Cl. 107—59.
- Houlsby, George W., Jr.: *See*—  
 Carlson, Martin. 2,700,175.
- House, Bennie L., and A. K. Shaw. 2,698,583, Cl. 103—103.
- House, Bryan E., and R. K. Super, to Detroit Duo-Grip Brake  
 Corp. 2,720,287, Cl. 188—74.
- House, Carey E.: *See*—  
 Estes, Rufus B., and House. 2,725,066.
- House, Samuel G., 40% to N. Crain and 20% to N. A.  
 Bickley. 2,728,556, Cl. 255—14.
- Houser, Alfred C. 2,708,157, Cl. 51—304.
- Houser, Charles W. 2,718,298, Cl. 206—16.
- Houston, David R.: *See*—  
 Leyde, Warren L., and Houston. 2,727,144.
- Houston-Fearless Corp.: *See*—  
 McCollough, John D. 2,705,599.
- Houston, Herbert V., J. E. Urbany, and D. K. Allison, to the  
 United States of America as represented by the Secretary of  
 the Army. 2,720,835, Cl. 102—70.
- Houston, Jacques B., and H. V. McGill, to Kaiser Aluminum  
 & Chemical Corp. 2,707,669, Cl. 23—143.
- Houston, Jacques B., and R. V. Hopper, to Kaiser Aluminum &  
 Chemical Corp. 2,727,390, Cl. 73—423.
- Houston Oil Field Material Co., Inc.: *See*—  
 Campise, Nash O., and Brock. 2,725,744.
- Houston, Wesley M., and H. W. Breathitt, Jr., to Minerals &  
 Chemicals Corp. of America. 2,706,557, Cl. 209—166.
- Houston, Wesley M., and H. W. Breathitt, Jr., to Minerals &  
 Chemicals Corp. of America. 2,706,558, Cl. 209—166.
- Houtman, Jacobus M.: *See*—  
 Combee, Bart, and Houtman. 2,715,194.
- Houtman, Thomas, Jr., to The Dow Chemical Co. 2,724,005,  
 Cl. 260—654.
- Houtz, Alfred W.: *See*—  
 Schloss, Dan, and Houtz. 2,708,276.
- Houtz, Charles C., and D. A. McLean, to Bell Telephone  
 Laboratories, Inc. 2,716,721, Cl. 317—230.
- Houze, Thomas. 2,717,390, Cl. 2—74.
- Hovde, Arne J.: *See*—  
 Louzecky, Paul J., and Hovde. 2,728,331.
- Hövel, Josef: *See*—  
 Flatz, Emil, and Hövel. 2,725,045.
- Hoven, Alfred C.: *See*—  
 Nordmark, Walter E., and Hoven. 2,701,693.
- Hoven, Alfred C., to American Seating Co. 2,705,043, Cl.  
 155—148.
- Hoven, Alfred C., and W. E. Nordmark, to American Seat-  
 ing Co. 2,705,526, Cl. 155—86.
- Hoven, Alfred C., and W. E. Nordmark, to American Seating  
 Co. 2,717,026, Cl. 155—85.
- Hoven, Alfred C., and W. E. Nordmark, to American Seating  
 Co. 2,719,570, Cl. 155—86.
- Hoven, Alfred C., W. E. Nordmark, and W. S. Lindberg, to  
 American Seating Co. 2,719,771, Cl. 312—255.
- Hoven, Alfred C., and W. E. Nordmark, to American Seating  
 Co. 2,726,826, Cl. 242—107.
- Hovis Screwlock Co., Inc.: *See*—  
 Hodge, Hugh M. 2,699,830.
- Howald, Arthur M. 2,726,185, Cl. 154—91.
- Howald, Arthur M., and G. B. Rheinfrank, to Glaskyd Inc.  
 2,701,054, Cl. 206—52.
- Howard, Alan, to General Electric Co. 2,711,074, Cl.  
 60—39.37.
- Howard, Bernard, to Teleprinter Corp. 2,727,944, Cl.  
 178—35.
- Howard, Bob. 2,725,577, Cl. 4—164.
- Howard, Charles M.: *See*—  
 Carlstrand, Ralph H., Howard, and Gayman. 2,711,648.
- Howard, Charles W., to Manufacturers Machine Tool Co.  
 2,726,775, Cl. 214—16.4.
- Howard, Clarence B.,  $\frac{1}{2}$  to E. H. Kueffer. 2,721,559, Cl.  
 131—187.
- Howard, Clifford M. 2,726,881, Cl. 285—93.
- Howard, Forbes, to United-Carr Fastener Corp. 2,705,308,  
 Cl. 339—94.
- Howard, Frank A.,  $\frac{1}{10}$  to Pittsburgh Consolidation Coal Co.  
 Re. 24,004, Cl. 262—7.
- Howard, Frank L.: *See*—  
 Hosler, John F., Tarjan, and Howard. 2,712,202.
- Howard, George C., to Stanolind Oil and Gas Co. 2,728,395,  
 Cl. 166—22.
- Howard, Harry W., C. V. Wittenwyler, and O. L. Nikles, Jr.,  
 to Shell Development Co. 2,713,565, Cl. 260—43.
- Howard Hosiery Mills, Inc.: *See*—  
 Stevenson, Frank. 2,720,767.
- Howard, John G., to The Pyle-National Co. 2,723,380, Cl.  
 339—10.
- Howard, John G., and F. J. Veselsky, to The Pyle-National  
 Co. 2,723,867, Cl. 286—8.
- Howard, John W.: *See*—  
 Huthsing, Charles K., and Howard. 2,715,908.
- Howard, Kenneth C. 2,699,038, Cl. 60—39.35.
- Howard, Kenneth C.,  $\frac{1}{2}$  to C. S. Sykes, and  $\frac{1}{2}$  to C. E. Rat-  
 cliff. 2,724,205, Cl. 43—26.2.
- Howard, Louis S., to Chrysler Corp. 2,708,135, Cl. 296—44.
- Howard, Paul J. 2,704,207, Cl. 268—104.
- Howard, Paul L., to Yardney International Corp. 2,724,732,  
 Cl. 136—6.
- Howard, Paul L., to Yardney International Corp. 2,724,734,  
 Cl. 136—34.
- Howard, Robert, to Runnymede Mills, Inc. 2,714,299, Cl.  
 66—188.
- Howard, Sam B., to Atlanta Paper Co. 2,728,485, Cl.  
 220—118.
- Howard, Stanley R., to Pneumatic Scale Corp., Ltd. 2,718,345,  
 Cl. 226—69.
- Howard, Stanley R. and T. P., to Pneumatic Scale Corp., Ltd.  
 2,705,076, Cl. 209—244.
- Howard, Thomas P.: *See*—  
 Howard, Stanley R. and T. P. 2,705,076.
- Howard, Thomas P., to Pneumatic Scale Corp., Ltd. 2,704,197,  
 Cl. 249—2.
- Howard, Thomas P., to Pneumatic Scale Corp., Ltd.  
 2,716,534, Cl. 249—18.
- Howard, Walter, and V. M. Baugher. 2,724,850, Cl. 15—124.
- Howard, Walter B., H. H. Nelson, and R. Rosenberg, to Mon-  
 santo Chemical Co. 2,725,985, Cl. 210—53.
- Howat, James B.: *See*—  
 Sillitto, George P., and Howat. 2,700,336.
- Howatt, Glenn N., to Gulton Mfg. Corp. 2,714,148, Cl.  
 201—63.
- Howatt, Glenn N., and A. I. Dranetz, to Gulton Mfg. Corp.  
 2,714,708, Cl. 333—30.
- Howden, James, & Co. Ltd.: *See*—  
 Ulander, Per H. N. 2,714,314.
- Howden, Peter, to Ernest Newell & Co. Ltd. 2,726,068, Cl.  
 259—3.
- Howdle, Frederic E., to Cutler-Hammer, Inc. 2,725,972, Cl.  
 198—40.
- Howe, Arthur W.: *See*—  
 Exley, William M., Jr., and Howe. 2,716,544.
- Howe-Baker Co.: *See*—  
 Roberts, Robert J. 2,728,722.
- Howe, Elra F. 2,701,026, Cl. 182—1.
- Howe, Elra F. 2,718,012, Cl. 4—10.
- Howe Folding Furniture, Inc.: *See*—  
 Howe, Harold. 2,717,631.
- Howe, Harold. 2,725,987.
- Howe, Frank R., to C. A. V. Ltd. 2,716,901, Cl. 74—526.
- Howe, Harold. 2,698,726, Cl. 248—46.
- Howe, Harold, to Howe Folding Furniture, Inc. 2,717,631,  
 Cl. 155—124.
- Howe, Harold, to Howe Folding Furniture, Inc. 2,725,987,  
 Cl. 211—3.
- Howe, Harold S., H. B. Hindin, and C. Mosshart, to United  
 States Rubber Co. 2,728,612, Cl. 305—10.
- Howe, John P., and R. R. Katucki, to General Electric Co.  
 2,706,716, Cl. 252—70.
- Howe, Kenneth W., and H. M. McLearn, to American Ma-  
 chinery Corp. 2,700,953, Cl. 118—18.
- Howe, Phillip O. 2,707,843, Cl. 43—26.1.
- Howe, Robert F. 2,716,963, Cl. 120—24.
- Howe, Wilfred H.: *See*—  
 Cook, Lyman, and Howe. 2,718,232.
- Howe, Wilfred H., to The Foxboro Co. 2,718,620, Cl. 324—61.
- Howe, Wilfred H., to the United States of America as repre-  
 sented by the Secretary of the Navy. 2,725,068, Cl.  
 137—82.
- Howe, Wilfred H., and R. W. Cushman, to The Foxboro Co.  
 2,706,799, Cl. 318—22.
- Howe, William H., and H. W. Reed, to H. G. Liese. 2,698,462,  
 Cl. 18—36.
- Howe, Wright. 2,710,767, Cl. 294—82.
- Howell, Alleyne C., Jr.: *See*—  
 Ford, Tirey L., Shaw, Howell, Pfaff, and Rice. 2,704,309.



- Howell, Alleyne C., Jr. 2,705,094, Cl. 222—335.  
 Howell, Alun R., to Power Jets (Research and Development) Ltd. 2,702,985, Cl. 60—35.6.  
 Howell, Edgar A., to American Cyanamid Co. 2,701,468, Cl. 73—33.  
 Howell, Fred A., and J. D. Rhea, to American Enka Corp. 2,725,067, Cl. 137—1.  
 Howell, George W. 2,699,755, Cl. 119—55.  
 Howell, Hugh A., to The Indiana Steel Products Co. 2,723,315, Cl. 179—100.2.  
 Howell, Hugh A., and H. W. Bauman, to Ampro Corp. 2,718,562, Cl. 179—100.2.  
 Howell, Josephine M. 2,711,830, Cl. 211—75.  
 Howell, Kenneth W.: *See*—  
   Gradoff, Alex, Howell, and Vinoff. 2,714,221.  
 Howell, Paul B. 2,713,394, Cl. 180—7.  
 Howell, Richard B., to The Kendall Corp. 2,711,636, Cl. 65—54.  
 Howell, Thaddeus L., Jr., to Con-Dor Corp. of America. 2,720,308, Cl. 206—46.  
 Howell, William C., Jr., and W. E. Waddey, to Esso Research and Engineering Co. 2,724,654, Cl. 106—14.  
 Howell, William D., to General Motors Corp. 2,713,264, Cl. 73—317.  
 Howenstine, James A., to Neon Products, Inc. 2,715,216, Cl. 339—275.  
 Howery, Richard W., to Radio Corp. of America. 2,716,746, Cl. 343—7.4.  
 Howes, Leslie D., to A. V. Roe Canada Ltd. 2,727,358, Cl. 60—39.71.  
 Howes, S. Co., Inc.: *See*—  
   Coon, Edwin L. 2,699,258.  
 Howey, Edwin M.: *See*—  
   Howey, Walter C. 2,699,720.  
 Howey, Walter C., deceased; W. S. Brooks, J. P. Murphy, and E. M. Howey, executors. 2,699,720, Cl. 101—401.1.  
 Howick, Walter B. 2,705,040, Cl. 153—32.  
 Howk, Benjamin W.: *See*—  
   Catlin, Willard E., and Howk. 2,728,751.  
 Howland, Fred C.: *See*—  
   Wilson, Wash D., and Howland. 2,708,511.  
 Howland, Walter L.: *See*—  
   Buzzetti, Charles J., and Howland. 2,722,587.  
 Hoxie, Howard M.: *See*—  
   Gibson, Eugene C., and Hoxie. 2,708,843.  
 Hoye, Peder B., to Electrical Engineers Equipment Co. 2,717,939, Cl. 200—149.  
 Hoyer, James L. 2,699,106, Cl. 98—41.  
 Hoyt, Clyde W., and L. P. Thomas, Jr., to Radio Corp. of America. 2,718,550, Cl. 178—7.3.  
 Hoyt, Karl R., 12½% to W. Mellott, 12½% to O. Culbertson, 12½% to J. S. Barrett, and 12½% to T. B. Frost. 2,703,340, Cl. 178—5.4.  
 Hoyt, Karl R., to Electronics Research Corp. 2,711,983, Cl. 154—95.  
 Hoyt Mfg. Corp.: *See*—  
   Vetorino, Joseph E. 2,712,182.  
 Hrabe, John J.: *See*—  
   Saks, Robert, Hrabe, and Hodges. 2,726,419.  
 Hranicka, Albert C. 2,705,637, Cl. 272—70.2.  
 Hromatka, Otto, and H. Ebner. 2,707,683, Cl. 99—147.  
 Hrubesch, Adolf, and O. Schlichting, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,711,991, Cl. 202—57.  
 Huard, Alexander J., to The Budd Co. 2,703,924, Cl. 29—283.  
 Hubacker, Earl F.: *See*—  
   La Flame, Frank E., and Hubacker. 2,713,969.  
 Hubacker, Earl F., to General Electric Co. 2,728,883, Cl. 318—221.  
 Hubbard, Arthur F., to American Air Filter Co. Inc. 2,723,616, Cl. 98—38.  
 Hubbard, Arthur L., to Deere Mfg. Co. 2,699,027, Cl. 56—41.  
 Hubbard, Arthur L., to Deere Mfg. Co. 2,699,029, Cl. 56—41.  
 Hubbard, Arthur L., to Deere Mfg. Co. 2,721,436, Cl. 56—47.  
 Hubbard, Charles J. 2,717,815, Cl. 311—1.  
 Hubbard and Co.: *See*—  
   Peirce, Charles L., Jr., and Hoehner. 2,698,471.  
 Hubbard, James K., to E. I. du Pont de Nemours and Co. 2,726,217, Cl. 260—2.  
 Hubbard, Merle R., to Collins Radio Co. 2,717,363, Cl. 333—82.  
 Hubbard, Robert L. 2,722,740, Cl. 30—180.  
 Hubbard, Robert M., and J. T. Hart, Jr. 2,725,745, Cl. 73—67.  
 Hubbard, Wallace L., to Deere Mfg. Co. 2,723,520, Cl. 56—47.  
 Hubbell, Dean S.: *See*—  
   Coffman, Alden W., and Hubbell. 2,714,246.  
   Coffman, Alden W., and Hubbell. 2,724,177.  
 Hubbell, Dean S., to H. H. Robertson Co. 2,712,174, Cl. 29—473.1.  
 Hubbell, Harvey. 2,713,082, Cl. 174—53.  
 Hubbell, Harvey. 2,727,107, Cl. 200—67.  
 Hubbell, Jesse P. 2,723,793, Cl. 226—128.  
 Hubby, Albert G.: *See*—  
   Hoepfner, Conrad H., and Hubby. 2,727,228.  
 Hübel, Emil, to A. Dubsky. 2,713,255, Cl. 67—7.1.  
 Huber, Clyde L., to Johnston Testers, Inc. 2,719,588, Cl. 166—152.  
 Huber, Harry: *See*—  
   Brück, Lothar, and Huber. 2,720,609.  
 Huber, Harry, to Compagnie Generale de Telegraphie Sans Fil. 2,701,322, Cl. 315—3.6.  
 Huber, J. M., Corp.: *See*—  
   Bertorelli, Orlando L. 2,710,244.  
   Redell, Fredrick C. 2,699,589.  
   Voet, Andries. 2,720,461.  
 Huber, Jennie: *See*—  
   Huber, Ralph L. 2,717,599.  
   Huber, Ralph L. 2,717,600.  
 Huber, John R., to Eastern Rotorcraft Corporation. 2,715,008, Cl. 248—361.  
 Huber, John R., to Eastern Rotorcraft Corporation. 2,715,012, Cl. 254—67.  
 Huber, Louis J., to General Mills, Inc. 2,701,200, Cl. 99—81.  
 Huber, Ludwig, and B. Lafferentz, to Swingfire (Bahamas) Ltd. 2,708,926, Cl. 126—91.  
 Huber, Ludwig R.: *See*—  
   Haag, Franz A., and Huber. 2,719,580.  
   Lafferentz, Bodo, Huber, and Strittmatter. 2,707,515.  
   Lafferentz, Bodo, Huber, and Strittmatter. 2,715,436.  
 Huber, Ludwig R., to Swingfire (Bahamas) Ltd. 2,717,637, Cl. 158—4.  
 Huber, Ludwig R., and F. A. Haag, to Swingfire (Bahamas) Ltd. 2,701,950, Cl. 60—39.77.  
 Huber, Matthew W., to The New York Air Brake Co. 2,710,206, Cl. 286—11.13.  
 Huber, Matthew W., to The New York Air Brake Co. 2,712,954, Cl. 291—2.  
 Huber, Matthew W., to The New York Air Brake Co. 2,713,828, Cl. 103—130.  
 Huber, Melvin L.: *See*—  
   Donaruma, Lorraine G., and Huber. 2,702,801.  
 Huber, Melvin L., to E. I. du Pont de Nemours and Co. 2,721,199, Cl. 260—239.3.  
 Huber, Ralph L., deceased (J. Huber, administratrix). 2,717,599, Cl. 128—221.  
 Huber, Ralph L., deceased (J. Huber, administratrix). 2,717,600, Cl. 128—221.  
 Huber, Richard D., and W. F. Bruce, to American Home Products Corp. 2,721,201, Cl. 260—257.  
 Huber, Robert, to Societe d'Etudes & de Participations, Eau, Gaz, Electricite, Energie, S. A. 2,701,555, Cl. 123—46.  
 Huber, Robert, to "Societe d'Etudes et de Participations Eau, Gaz, Electricite Energie," S. A. 2,711,719, Cl. 123—46.  
 Huber, Robert, to Societe d'Etudes et de Participations Eau, Gaz, Electricite, Energie, S. A. 2,718,751, Cl. 60—13.  
 Huber, Russell C. 2,710,608, Cl. 125—23.  
 Hubert, Clarence A., and J. F. Ziskal, to International Harvester Co. 2,716,966, Cl. 121—40.  
 Hubertz, Halvard P. 2,706,268, Cl. 318—208.  
 Hubley Mfg. Co., The: *See*—  
   Weimer, John H., and Rockey. 2,722,073.  
 Hubmann, Otto. 2,700,596, Cl. 48—78.  
 Hubmann, Otto. 2,723,187, Cl. 48—87.  
 Hubmeier, Max, to Aktiengesellschaft der Maschinenfabrik von Theodor Bell & Cie. 2,710,043, Cl. 154—30.  
 Huch, William F.: *See*—  
   Moore, Charles B., and Huch. 2,708,082.  
   Stinger, Henry J., Hakomaki, and Huch. 2,703,769.  
 Huck, Alfred J., and J. J. Kueser, to Knapp-Monarch Co. 2,701,410, Cl. 29—155.5.  
 Huck, Alfred J., and I. Pass, to Knapp-Monarch Co. 2,725,451, Cl. 219—20.  
 Huck Co.: *See*—  
   Huck, William F. 2,699,939.  
   Huck, William F. 2,706,628.  
   Huck, William F. 2,723,620.  
   Huck, William F., and Albrecht. 2,699,940.  
   Huck, William F., and Albrecht. 2,699,941.  
 Huck, George: *See*—  
   Grosskinsky, Otto, Thurauf, Benning, Huck, and Ewers. 2,726,262.  
 Huck, Rodney M., to Monsanto Chemical Company. 2,715,114, Cl. 260—57.  
 Huck, William F., to Huck Co. 2,699,939, Cl. 271—48.  
 Huck, William F., to Huck Co. 2,706,628, Cl. 270—72.  
 Huck, William F., to The Brunswick-Balke-Collender Co. 2,709,083, Cl. 273—42.  
 Huck, William F., to The Brunswick-Balke-Collender Co. 2,717,155, Cl. 273—49.  
 Huck, William F., to Huck Co. 2,723,620, Cl. 101—181.  
 Huck, William F., and A. J. Albrecht, to Huck Co. 2,699,940, Cl. 271—49.  
 Huck, William F., and A. J. Albrecht, to Huck Co. 2,699,941, Cl. 271—53.  
 Huckabee, Luther H. 2,700,153, Cl. 340—244.  
 Huckabay, William B., to Socony-Vacuum Oil Co., Inc. 2,712,986, Cl. 23—230.  
 Huckle, Charles H. 2,727,268, Cl. 15—299.  
 Hucksold, Elmer J., to Central Mine Equipment Co. 2,713,993, Cl. 255—324.  
 Huckstep, Robin C., to Birmingham Paper Co. 2,705,588, Cl. 229—39.  
 Hudachek, Richard: *See*—  
   Furno, Harold R. 2,706,072.  
 Hudachek, Richard F. 2,718,432, Cl. 299—24.  
 Hudack, Stephen S., to the United States of America as represented by the Secretary of the Navy. 2,719,522, Cl. 128—92.  
 Huddleston, Helen L.: *See*—  
   Huddleston, Leo D., and H. L. 2,720,797.  
 Huddleston, James G.: *See*—  
   Woodman, John A., and Huddleston. 2,700,664.  
 Huddleston, Leo D., and H. L. 2,720,797, Cl. 74—713.  
 Huddleston, Loyd C., F. B. White, and T. F. Eastes, to E. & W. Mfg. Co. 2,698,635, Cl. 143—43.



- Haddon, Ivan L. 2,710,517, Cl. 56—258.  
Hudelson-Whitebone Corp.: *See*—  
Stromberg, Roland W. 2,711,273.  
Hudgins, Archibald P. 2,708,754, Cl. 4—225.  
Hudkins, Clyde. 2,703,657, Cl. 214—370.  
Hudson, Raymond W. 2,724,921, Cl. 43—127.  
Hudson, Arthur C., to National Research Council. 2,710,344, Cl. 250—13.  
Hudson, Edwin B., and C. R. Taylor, to Arco Steel Corp. 8,708,572, Cl. 266—35.  
Hudson, H. D., Mfg. Co.: *See*—  
Landgraf, Jacob T. 2,716,423.  
Hudson Lamp Co.: *See*—  
Bassler, John R. 2,700,726.  
Hudson, Linwood P., and H. D. Smith. 2,716,303, Cl. 43—84.  
Hudson, Monie S. 2,726,169, Cl. 117—57.  
Hudson, Opal F. 2,725,642, Cl. 34—90.  
Hudson, Richard L.,  $\frac{1}{2}$  to A. Healy, Jr. 2,713,718, Cl. 30—200.  
Hudspeth, Hubert W. 2,718,435, Cl. 302—15.  
Hueber, Carl J., and W. J. Brugge, to Addressograph-Multi-graph Corp. 2,710,407, Cl. 101—369.  
Huebner, Charles F., to Ciba Pharmaceutical Products, Inc. 2,726,243, Cl. 260—287.  
Huebner, Charles F., and C. R. Scholz, to Ciba Pharmaceutical Products, Inc. 2,702,821, Cl. 260—552.  
Huebner, Charles F., and C. R. Scholz, to Ciba Pharmaceutical Products, Inc. 2,703,815, Cl. 260—552.  
Huebner, Charles F., and C. R. Scholz, to Ciba Pharmaceutical Products, Inc. 2,714,613, Cl. 260—552.  
Huebner Co., The: *See*—  
Huebner, William C. 2,716,826.  
Huebner, Floyd C., and R. M. Stauber. 2,708,465, Cl. 143—47.  
Huebner, George J., Jr., to Chrysler Corp. 2,707,865, Cl. 60—39.16.  
Huebner, George J., Jr., and D. M. Borden, to Chrysler Corp. 2,699,319, Cl. 253—69.  
Huebner, William C., to The Huebner Co. 2,716,826, Cl. 41—1.  
Hueffed, Homer C., and E. P. Orvis, to The Leece-Neville Co. 2,725,488, Cl. 307—48.  
Huelsman, Arthur H., to General Electric Co. 2,709,236, Cl. 318—203.  
Huemer, Hans, to Deutsche Gold- und Silber-Scheideanstalt Vormals Roessler. 2,723,185, Cl. 23—151.  
Huerre, Jean B. 2,728,687, Cl. 117—64.  
Huet, André. 2,720,383, Cl. 257—262.12.  
Huet, Andre, to Combustion Engineering, Inc. 2,724,891, Cl. 29—157.6.  
Huettner, Clarence, and H. R. Reeve, to the United States of America as represented by the Secretary of the Army. 2,712,048, Cl. 201—63.  
Huey, Dwight L.: *See*—  
Edinborough, John F., and Huey. 2,699,967.  
Huey, John, to The United Electric Coal Companies. 2,704,149, Cl. 198—89.  
Huff, Carlos D., to American Pipe and Construction Co. 2,724,582, Cl. 259—72.  
Huff, Marvick J. 2,727,330, Cl. 43—44.4.  
Huff, Sireno E. 2,725,998, Cl. 214—332.  
Huffman, Chester A. 2,716,261, Cl. 20—4.  
Huffman, Delmar E., 25% to J. C. Stone. 2,725,063, Cl. 134—142.  
Huffman, Levi D., to Service Castor & Truck Corp. 2,700,173, Cl. 16—44.  
Huffman Mfg. Co., The: *See*—  
Abel, Frederick. 2,700,862.  
Abel, Frederick. 2,709,882.  
Locke, Loyal V. 2,714,476.  
Huffman, Max N., to G. D. Searle & Co. 2,699,447, Cl. 260—514.  
Huffman, Max N., to Nepera Chemical Co., Inc. 2,705,239, Cl. 260—397.5.  
Huffman, Max N., to Lasdon Foundation, Inc. 2,712,031, Cl. 260—562.  
Huffman, Robert L., to Automatic Electric Laboratories, Inc. 2,714,427, Cl. 184—1.  
Huffman, Russell I., to Knapp-Monarch Co. 2,706,766, Cl. 219—25.  
Hufnagel, Andrew, to Westinghouse Air Brake Co. 2,710,953, Cl. 340—171.  
Hufnagel, Andrew, to Westinghouse Air Brake Company. 2,715,164, Cl. 200—30.  
Hug, Rudolf. 2,706,963, Cl. 118—51.  
Hugel, Friedrich: *See*—  
Wagner, Adolf, and Hugel. 2,726,163.  
Hugel, Georges L., M. Lerer, and R. J. M. Courtel, to Institut Français du Pétrole des Carburants et Lubrifiants. 2,704,744, Cl. 252—28.  
Hugenholtz, Eduard H., to Hartford National Bank and Trust Co., trustee. 2,698,904, Cl. 250—36.  
Hugenholtz, Eduard H., to Hartford National Bank and Trust Co., trustee. 2,719,231, Cl. 250—36.  
Hugenholtz, Eduard H., to Hartford National Bank and Trust Co., trustee. 2,725,476, Cl. 250—36.  
Hugg, Ralph W. 2,712,830, Cl. 137—613.  
Hugger, Richard H., to United States Rubber Co. 2,725,647, Cl. 36—7.3.  
Hughghins, Arthur R. 2,711,658, Cl. 76—79.  
Hughes Aircraft Co.: *See*—  
Bakeman, Delbert C., and Richardson. 2,701,858.  
Barnett, Wilford J., Hansen, and Smith. 2,723,324.  
Beebe, Murray C., Jr. 2,720,749.  
Chrystie, Henry. 2,703,853.  
Cleary, Fred W. 2,703,382.  
Curtis, Daniel L. 2,723,080.  
Edwards, James N. 2,728,866.  
Griest, Raymond H. 2,723,565.  
Hannum, Arthur J., and Norby. 2,728,856.  
Hansen, Siegfried. 2,709,770.  
Hansen, Siegfried. 2,710,234.  
Hansen, Siegfried. 2,718,634.  
Jaffe, Jerome S. 2,705,753.  
La Fleur, Richard S. 2,704,332.  
May, Michael. 2,707,591.  
North, Harper Q. 2,708,646.  
Parode, Lowell C., and Young. 2,705,282.  
Phillips, Edward V., and Berman. 2,725,554.  
Powell, Donald W. 2,701,346.  
Preston, Jack W. 2,727,541.  
Smith, Henry M. 2,728,872.  
Taylor, Thomas T. 2,700,106.  
Weiss, Leon H. 2,708,718.  
Woodruff, Thomas E. 2,701,328.  
Woodruff, Thomas E. 2,714,185.  
Woodruff, Thomas E. 2,717,310.  
Young, Gregory O. 2,710,915.  
Hughes, Arthur V., to Westinghouse Electric Corp. 2,706,957, Cl. 114—20.  
Hughes, Arthur V., to the United States of America as represented by the Secretary of the Navy. 2,712,806, Cl. 114—20.  
Hughes, Arthur V., and L. B. Rademacher, to the United States of America as represented by the Secretary of the Navy. 2,700,356, Cl. 114—20.  
Hughes, Cecil M. 2,725,030, Cl. 116—135.  
Hughes, Charles E., and W. S. Walker. 2,726,483, Cl. 46—228.  
Hughes, Claude A. 2,702,077, Cl. 155—161.  
Hughes, Edward H., and H. M. and W. S. Garrett. 2,698,890, Cl. 200—139.  
Hughes, Everett C.: *See*—  
Hardman, Harley F., and Hughes. 2,699,997.  
Hughes, Everett C., and E. C. Milberger, to The Standard Oil Co. 2,711,393, Cl. 252—28.  
Hughes, Everett C., and J. D. Bartleson, to The Standard Oil Co. 2,725,857, Cl. 123—1.  
Hughes, F. A. A., & Co. Ltd.: *See*—  
Higgins, William F., and Waite. 2,721,172.  
Hughes, George C., to Reynolds Gas Regulator Co. 2,707,970, Cl. 137—489.  
Hughes, George W.: *See*—  
Spielmann, Willson A., and Hughes. 2,716,298.  
Hughes, Harold K., to Socony-Vacuum Oil Co., Inc. 2,706,789, Cl. 250—43.5.  
Hughes, Herbert W. S., and D. G. Bonner, to Girling Ltd. 2,704,944, Cl. 74—503.  
Hughes, Hugh. 2,707,945, Cl. 123—90.  
Hughes, Lafayette M.: *See*—  
Herbold, Robert J. 2,712,694.  
Hughes, Philip H. 2,703,227, Cl. 259—167.  
Hughes, Ray C.: *See*—  
Coppola, Patrick P., and Hughes. 2,722,626.  
Levi, Roberto, and Hughes. 2,700,000.  
Hughes, Ray C., P. P. Coppola, and E. S. Rittner, to North American Philips Co., Inc. 2,700,118, Cl. 313—346.  
Hughes, Ray C., and P. P. Coppola, to North American Philips Co., Inc. 2,716,716, Cl. 313—346.  
Hughes, Richard R.: *See*—  
Lowman, Malden C., Jr., Hughes, and Nelson. 2,726,198.  
Hughes Tool Co.: *See*—  
Elliott, Harry E. 2,727,759.  
Elliott, Harry E., and Moskow. 2,727,761.  
Lampton, Glen T. 2,708,306.  
Hughes, Walter J., to Inflico Inc. Re. 24,088, Cl. 340—206.  
Hughes, Walter J., to Inflico Inc. 2,710,126, Cl. 226—93.  
Hughes, Walter J., to Inflico Inc. 2,711,134, Cl. 103—38.  
Hughes, Walter J., to Inflico Inc. 2,718,496, Cl. 210—16.  
Hughes, William B., to Cities Service Research and Development Co. 2,724,695, Cl. 252—8.55.  
Hughes, William B., to Cities Service Research and Development Co. 2,727,003, Cl. 252—8.55.  
Hughes, William B., and E. B. Fisher, to Cities Service Research and Development Co. 2,700,024, Cl. 252—341.  
Hughes, William B., and R. E. Lembcke, to Cities Service Research and Development Co. 2,706,714, Cl. 252—8.55.  
Hughes, William D., to Beaumont Birch Co. 2,706,136, Cl. 302—27.  
Hughes, William E., Jr., and O. Zauner, to Owens-Illinois Glass Co. 2,718,731, Cl. 49—7.  
Hughey, Carter J., to Eastman Kodak Co. 2,718,790, Cl. 74—229.  
Hughson, David R. 2,715,779, Cl. 33—178.  
Hughson, J. Donald: *See*—  
Maenpaa, Wilho K., and Hughson. 2,719,912.  
Hugman, Robert H. H. 2,708,579, Cl. 273—79.  
Huguenin & Cie: *See*—  
Huguenin, Pierre, and Fetterle. 2,716,829.  
Huguenin, Pierre, Bienne, and M. Fetterle, to Huguenin & Cie. 2,716,829, Cl. 41—35.  
Huguenin, Walter: *See*—  
Wyss, Eugen. 2,723,702.



- Huisman, George R.: *See*—  
Pasek, Robert A., Huisman, and Lo Bue. 2,723,092.
- Hujsak, Karol L.: *See*—  
Grekel, Howard, and Hujsak. 2,710,831.
- Hulbert, Francis L., to Square D Co. 2,703,351, Cl. 200—116.
- Hulett, Schuyler C. 2,704,529, Cl. 114—66.5.
- Hull, Charles J., and F. H. Osborne, to The Rudolph Wurlitzer Co. 2,725,235, Cl. 274—10.
- Hull, Clifford O., to General Electric Co. 2,727,087, Cl. 174—109.
- Hull, Donald E.: *See*—  
Mithoff, Robert C., and Hull. 2,706,254.
- Hull, Edwin H., and A. F. Winslow, deceased (by E. L. Winslow, administratrix), to United States of America. 2,698,514, Cl. 60—35.5.
- Hull, Gerald P., to Oval Wood Dish Corp. 2,723,661, Cl. 128—15.
- Hull, Harvard L., and S. M. MacNeille, to the United States of America as represented by the United States Atomic Energy Commission. 2,715,186, Cl. 250—41.9.
- Hull, Henry E., to Rockwell Mfg. Co. 2,709,324, Cl. 51—216.
- Hull, Henry E., to Rockwell Mfg. Co. 2,710,501, Cl. 51—281.
- Hull, Maurice E., to Armour and Co. 2,699,995, Cl. 99—57.
- Hull, Monroe R. 2,721,052, Cl. 251—6.
- Hull, Richard D.: *See*—  
Clark, Edward C., Jr., and Hull. 2,711,782.
- Hull, Wayland E., and H. Seeler, to the United States of America as represented by the Secretary of the Air Force. 2,711,169, Cl. 128—141.
- Hull, William F., to Western Precipitation Corp. 2,708,980, Cl. 183—7.
- Hullegård, Erik W., L. G. Ulin, and A. G. V. Larshans, to Telefonaktiebolaget L M Ericsson. 2,706,746, Cl. 179—16.
- Hulsbergen, Cornelis W. 2,711,829, Cl. 210—171.
- Hulse, Alexander B., Jr. 2,717,140, Cl. 248—223.
- Hulse, Gene W. 2,704,901, Cl. 40—130.
- Hulse, George E., to Hercules Powder Co. 2,722,520, Cl. 260—2.
- Hulst, George D., to Allen B. Du Mont Laboratories, Inc. 2,701,275, Cl. 178—5.4.
- Hulst, George D., to Allen B. Du Mont Laboratories, Inc. 2,701,310, Cl. 250—36.
- Hulst, George D., to Allen B. Du Mont Laboratories, Inc. 2,708,728, Cl. 315—27.
- Hult, Carl A. 2,715,265, Cl. 30—15.5.
- Hult, William A. E. 2,713,749, Cl. 47—1.2.
- Hultquist, Martin E., and B. Roth, to American Cyanamid Co. 2,717,250, Cl. 260—251.5.
- Hum, Bing W. 2,722,424, Cl. 273—131.
- Humbert, Dean E.: *See*—  
Siebengartner, George W., Dugan, and Humbert. 2,722,125.
- Humble Pipe Line Co.: *See*—  
Rachuig, Walter A. 2,701,952.  
Rachuig, Walter A. 2,714,290.
- Humboldt Co., The: *See*—  
McIntyre, Sidney S. 2,718,160.
- Hume, Gertrude B. 2,719,996, Cl. 15—118.
- Hume, Horace D.: *See*—  
Scheidenhelm, Earl L., and Lampe. 2,717,479.
- Hume, Horace D. 2,717,483, Cl. 56—296.
- Hume, James D. 2,727,755, Cl. 280—405.
- Hume, Patrick H.: *See*—  
Staunton, Le Roy, and Hume. 2,710,471.
- Hume, Tiley L.: *See*—  
Meighan, William A., and Hume. 2,710,998.
- Humes, Gale, to M. Turchan, d. b. a. Turchan Follower Machine Co. 2,723,827, Cl. 251—3.
- Humes, George W. 2,720,192, Cl. 122—497.
- Humes, William Y. C.: *See*—  
Ober, Bertil N., and Humes. 2,721,806.
- Humma, Cyril A. 2,712,118, Cl. 339—74.
- Hummel, John C., to Robert R. Anderson Co. 2,704,390, Cl. 25—131.
- Hummel, Robert S. 2,726,835, Cl. 248—198.
- Hummittsch, Werner, and F. Ablasser, to Gebr. Böhler & Co Aktiengesellschaft. 2,704,317, Cl. 219—8.
- Humphlett, Wilbert J., to Eastman Kodak Co. 2,726,269, Cl. 260—615.
- Humphrey, Andrew J., to Reliance Electric and Engineering Co. 2,724,785, Cl. 313—29.
- Humphrey, Richard A. 2,711,435, Cl. 13—23.
- Humphrey, Warren A., to The Hoover Co. 2,724,141, Cl. 15—350.
- Humphreys, David, and E. W. Suhr. 2,707,842, Cl. 43—15.
- Humphreys, David D.: *See*—  
Brown, Herbert C., and Humphreys. 2,727,929.
- Humphreys Investment Co., The: *See*—  
Humphreys, Ira B. 2,700,469.
- Humphreys, Ira B., to The Humphreys Investment Co. 2,700,469, Cl. 209—211.
- Humphreys, John W., to Johnson Products, Inc. 2,700,965, Cl. 123—90.
- Humphreys, Marion W. 2,712,794, Cl. 103—161.
- Humphreys, Richard F.: *See*—  
Garrison, Jack W., and Humphreys. 2,723,351.
- Humphries, Douglas N.: *See*—  
Dexter, John C., Henrikson, and Humphries. 2,706,517.
- Humpola, Frank J., and R. R. Tripp. 2,715,394, Cl. 123—41.
- Hungerford, Thomas W.: *See*—  
Mackintosh, Alexander D., and Hungerford. 2,715,359.
- Hungerle, Jack: *See*—  
Gruber, Hans. 2,706,336.
- Hüni, Albrecht: *See*—  
Isler, Hans, and Hüni. 2,710,295.
- Hunn, James V., to The Sherwin-Williams Co. 2,727,047, Cl. 260—405.5.
- Hunn, Olen D., to Sinclair Refining Co. 2,727,847, Cl. 196—14.15.
- Hunnicut, Warren P.: *See*—  
Dowling, Robert L., Jr., and Hamilton. 2,706,081.
- Hunold, James L. 2,721,082, Cl. 273—138.
- Hunsdorf, William F., to Cleveland Electrical Equipment Co., Inc. 2,718,359, Cl. 242—13.
- Hunt, Charles D'A., and H. P. Yockey, to the United States of America as represented by the United States Atomic Energy Commission. 2,712,223, Cl. 62—1.
- Hunt, David G.: *See*—  
Dixon, Henry L., and Hunt. 2,709,277.
- Hunt, Gerald R., 1/2 to C. E. Munn. 2,703,423, Cl. 15—210.
- Hunt, Guilbert M., to Republic Steel Corp. 2,719,342, Cl. 20—66.
- Hunt, Harold R.: *See*—  
Boehm, Robert M., and Hunt. 2,703,293.
- Hunt, John W. 2,704,398, Cl. 30—142.
- Hunt, Joseph A.: *See*—  
Jay, James B., White, and Hunt. 2,717,003.
- Hunt, Leonard R., to Jones & Laughlin Steel Corp. 2,709,403, Cl. 57—1.
- Hunt, Rodney Machine Co.: *See*—  
Belcher, Harold H., and Creegan. 2,706,391.  
Kuniholm, David A. 2,720,691.
- Hunt, Russell G. 2,713,671, Cl. 339—157.
- Hunt, Thomas B.: *See*—  
Odom, Marvin W., and Hunt. 2,712,833.
- Hunt, William T., Jr.: *See*—  
Mathias, Gerald E., and Hunt. 2,712,105.
- Hunt, William T., Jr., to Westinghouse Electric Corp. 2,722,642, Cl. 318—144.
- Hunt, William T., Jr., and C. H. Storey, Jr., to Westinghouse Electric Corp. 2,728,040, Cl. 318—275.
- Huntar, Felix, and G. O. Frey, to American Can Co. 2,711,821, Cl. 209—72.
- Hunter, Alfred W., and J. E. Phillips, to American Viscose Corp. 2,709,856, Cl. 34—1.
- Hunter, Ann S.: *See*—  
Heisler, Edward G., and Hunter. 2,704,260.
- Hunter Douglas Corp.: *See*—  
Hunter, Joseph L., and Martin. 2,714,413.  
Rutledge, Melvin C. 2,698,727.  
Rutledge, Melvin C. 2,721,609.
- Hunter, Edward A., and M. A. Segura, to Esso Research and Engineering Co. 2,722,503, Cl. 196—50.
- Hunter, Eldred T. 2,724,673, Cl. 154—83.
- Hunter, Fred L.: *See*—  
De Santis, Vincent J., and Hunter. 2,711,980.
- Hunter, George D., to Deere Mfg. Co. 2,716,476, Cl. 192—62.
- Hunter, Gerald G., to Baldwin Rubber Co. 2,726,081, Cl. 267—63.
- Hunter, Gordon S., to Bendix Aviation Corp. 2,728,155, Cl. 40—77.
- Hunter, Herbert T., to Doughnut Corp. of America. 2,709,955, Cl. 99—404.
- Hunter, Herbert T., and B. W. Wilson, to Doughnut Corp. of America. 2,709,974, Cl. 107—7.
- Hunter, James B.: *See*—  
Ciapetta, Frank G., and Hunter. 2,721,226.
- Hunter, James B., to The Atlantic Refining Co. 2,699,540, Cl. 340—282.
- Hunter, James H., to Columbia Broadcasting System, Inc. 2,715,752, Cl. 18—5.3.
- Hunter, James, Machine Co.: *See*—  
Morrill, Frank B. 2,701,717.  
Morrill, Frank B., and Woodworth. 2,709,270.
- Hunter, Joseph L., and T. A. Martin, to Hunter Douglas Corp. 2,714,413, Cl. 154—1.6.
- Hunter, Lee, Jr. 2,723,555, Cl. 73—66.
- Hunter, Lloyd P., to the United States of America as represented by the United States Atomic Energy Commission. 2,712,079, Cl. 250—41.9.
- Hunter, Maurice W. 2,712,137, Cl. 5—131.
- Hunter, Melvin J., and C. F. Dudley, to Dow Corning Corp. 2,728,736, Cl. 260—29.1.
- Hunter Metallic Products Corp.: *See*—  
Hunter, Samuel N. 2,713,006.
- Hunter Packing Co.: *See*—  
Griffin, Dustin H., Fiss, and Kiers. 2,728,674.  
Griffin, Dustin H., Fiss, and Kiers. 2,728,675.
- Hunter-Penrose Ltd.: *See*—  
Messenger, George E., and Batchelor. 2,717,544.
- Hunter, Richard H.: *See*—  
Gibson, John H., and Hunter. 2,723,512.
- Hunter, Robert H.: *See*—  
Brandner, John D., and Hunter. 2,711,999.  
Damon, Ralph S., and Hunter. 2,721,607.
- Hunter, Samuel N., to Hunter Metallic Products Corp. 2,713,006, Cl. 106—308.
- Hunter, Scott L.: *See*—  
Foss, Burdette W., and Hunter. 2,699,884.
- Hunter, Stuart I.: *See*—  
Rudnick, Edward S., and Hunter. 2,709,448.
- Hunter, Walker F., Jr., to Eastman Kodak Co. 2,706,534, Cl. 184—1.
- Hunter, William A., and W. P. Cousino, to Chrysler Corp. 2,710,203, Cl. 285—75.
- Hunter, William H.: *See*—  
Coates, Harold, Hunter, and Topley. 2,712,546.



- Huntington, Glen H. 2,725,832, Cl. 108—21.  
Huntington, Samuel S., to Berthoud Pass Lodge, Inc. 2,699,199, Cl. 155—2.  
Huntley, Alva E.: *See—*  
Kroyer, John M., and Huntley. 2,708,143.  
Huntley, Frederick H., to Motor Wheel Corp. 2,721,915, Cl. 200—137.  
Huntzicker, Harry N., to United States Gypsum Co. 2,701,209, Cl. 106—120.  
Hunziker, Emil, to Luscher, Leber & Co. A. G. 2,723,127, Cl. 276—44.  
Hunziker, Franz. 2,714,356, Cl. 104—197.  
Hupert, Julius J., to A. R. F. Products, Inc. 2,720,591, Cl. 250—36.  
Hupp, Arleigh G., to The Midland Co. 2,709,493, Cl. 180—19.  
Hupp, Arleigh G., to Dings Magnetic Separator Co. 2,724,474, Cl. 192—90.  
Hupp Corp.: *See—*  
Mackmann, Arthur. 2,701,973.  
Hupp, Edward E., to Bendix Aviation Corp. 2,703,631, Cl. 188—3.  
Hupp, John C.: *See—*  
Meisel, George M., Kautz, and Hupp. 2,701,742.  
Hurden, Dennis: *See—*  
Allen, Sidney, and Hurden. 2,708,342.  
Hurfurd, Winslow L., to General Electric Co. 2,725,475, Cl. 250—36.  
Hurka, Victor R.: *See—*  
Funderburk, George O., and Hurka. 2,702,279.  
Hurlburt, Charles E.: *See—*  
Konet, Henry, Boehm, and Hurlburt. 2,726,457.  
Hurlburt, Edwin A. 2,708,924, Cl. 124—17.  
Hurlbut Paper Co.: *See—*  
Arledter, Hanns F. 2,721,139.  
Arledter, Hanns F. 2,706,156.  
Hurley, Daniel: *See—*  
Smith, Daniel, and Hurley. 2,707,916.  
Hurley, Jason. 2,713,733, Cl. 38—36.  
Hurley, Jason, and H. F. Trepte; said Trepte assor. to said Hurley. 2,713,734, Cl. 38—36.  
Hurley, Roy T., to Curtiss-Wright Corp. 2,716,578, Cl. 308—23.  
Hurmence, Howard H.: *See—*  
Merriam, Henry F., and Hurmence. 2,726,933.  
Hurrell, Guy C., to Executors of James Mills Ltd. 2,718,280, Cl. 184—3.  
Hush, Robert W., to Lukens Steel Co. 2,716,494, Cl. 210—202.5.  
Hurst, Norman F., to McCabe-Powers Auto Body Co. 2,711,803, Cl. 189—11.  
Hurt, Hansford D. 2,712,338, Cl. 152—347.  
Hurt, Hansford D. 2,712,339, Cl. 152—350.  
Hurt, William C., Jr., to General Electric Co. 2,702,936, Cl. 29—155.58.  
Hurtzig, Raymond M. 2,723,818, Cl. 248—106.  
Hurvitz Hyman, to M. Wallace, d. b. a. Panoramic Laboratories. 2,700,157, Cl. 343—112.  
Hurvitz, Hyman, to Melpar, Inc. 2,727,100, Cl. 179—171.  
Hurwitz, Melvin D., and R. W. Auten, to Rohm & Haas Co. 2,728,787, Cl. 260—453.  
Husa, Carl A. 2,719,694, Cl. 254—24.  
Huse, Erle S.: *See—*  
Huse, Oscar E. 2,726,479.  
Huse, Oscar E. 2,704,625, Cl. 224—5.  
Huse, Oscar E., 1/2 to E. S. Huse. 2,726,479, Cl. 43—100.  
Husgen, Helmut E., and R. R. J. Daniels. 2,710,027, Cl. 138—89.  
Husqvarna Vapenfabriks Aktiebolag: *See—*  
Lindbom, Sven V. 2,699,423.  
Hussey, Frank J., Jr.: *See—*  
Lavarack, Frederick C., and Hussey. 2,712,914.  
Lavarack, Frederick C., Hussey, and Lundy. 2,713,102.  
Hussey, Norman R.: *See—*  
Dunbar, James Y., Schubert, and Hussey. 2,709,891.  
Husted, Donald R.: *See—*  
Rendall, John L., and Husted. 2,716,616.  
Husted, Donald R., to Minnesota Mining & Mfg. Co. 2,727,923, Cl. 260—567.6.  
Husted, Ronald R.: *See—*  
Rendall, John L., and Husted. 2,721,807.  
Husten, Benjamin F.: *See—*  
Lyons, Harold, and Husten. 2,699,503.  
Husting, Liborius F. 2,710,464, Cl. 37—42.  
Huston, Charles E. 2,699,877, Cl. 214—83.26.  
Huston, Elmo F., to The Ohio Brass Co. 2,708,265, Cl. 339—109.  
Huston, Elmo F., to The Ohio Brass Co. 2,722,667, Cl. 339—60.  
Hut, Roelf W. 2,703,936, Cl. 34—168.  
Hutchens, Francis G. 2,728,350, Cl. 137—461.  
Hutchens, Ralph O. 2,719,398, Cl. 56—25.4.  
Hutchings, Brian L., to American Cyanamid Co. 2,702,807, Cl. 260—343.3.  
Hutchings, Brian L., and S. Gordon, to American Cyanamid Co. 2,704,288, Cl. 260—343.3.  
Hutchings, Brian L., S. Gordon, and C. F. Wolf, to American Cyanamid Co. 2,704,289, Cl. 260—343.3.  
Hutchings, John H., to National Electronics, Inc. 2,707,245, Cl. 313—43.  
Hutchins, Allan S., to Crompton & Knowles Loom Works. 2,714,401, Cl. 139—97.  
Hutchins, Charles C., and B. C. Seaman, to Hutchins Electric Co., Inc. 2,703,859, Cl. 318—221.  
Hutchins, Earl R.: *See—*  
Rogers, Quentin W., and Hutchins. 2,702,554.  
Hutchins Electric Co., Inc.: *See—*  
Hutchins, Charles C., and Seaman. 2,703,859.  
Hutchins, Elizabeth P.: *See—*  
Hutchins, Selwyn P. R. 2,708,437.  
Hutchins, George V. 2,703,659, Cl. 214—515.  
Hutchins, Joseph W., to Phillips Petroleum Co. 2,720,594, Cl. 250—43.5.  
Hutchins, Joseph W., and F. W. Crawford, to Phillips Petroleum Co. 2,706,253, Cl. 250—43.5.  
Hutchins, Selwyn P. R., to E. P. Hutchins. 2,708,437, Cl. 128—7.  
Hutchinson, Ben. 2,703,718, Cl. 280—112.  
Hutchinson, Charles W.: *See—*  
Fessler, Frank. 2,714,573.  
Hutchinson, George R. 2,701,670, Cl. 224—42.32.  
Hutchinson, Gilbert E.: *See—*  
Finlay, Walter L., Catlin, and Hutchinson. 2,700,839.  
Hutchinson, Gordon C.: *See—*  
Campbell, Joseph L., Osmond, and Hutchinson. 2,709,665.  
Hutchinson, Henry M., to The Distillers Company Limited. 2,715,116, Cl. 260—91.5.  
Hutchinson, J. Edwin: *See—*  
MacAdams, Jesse E. 2,712,790.  
Hutchinson, Leonard, and F. W. Binks. 2,718,770, Cl. 67—7.1.  
Hutchinson, Roland V.: *See—*  
Thorne, Maurice A., and Hutchinson. 2,702,701.  
Hutchison, Alexander C.: *See—*  
Livingston, Robert, and Hutchison. 2,713,768.  
Hutchison, Alexander C., to Imperial Chemical Industries Ltd. 2,710,793, Cl. 52—0.5.  
Hutchison, Frank E. 2,716,493, Cl. 210—196.  
Hutchison, Miller R., Jr., to the United States of America as represented by the Secretary of the Navy. 2,704,433, Cl. 58—115.  
Hüter, Ludwig, and H. Veith, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. 2,717,911, Cl. 260—652.  
Huth, Dwight E., to Eastern States Petroleum Co., Inc. 2,704,154, Cl. 209—138.  
Huthsing, Charles K. 2,710,227, Cl. 299—98.  
Huthsing, Charles K. and C. K. Huthsing, Jr. 2,710,658, Cl. 169—31.  
Huthsing, Charles K., and J. W. Howard; said Howard assor. to said Huthsing. 2,715,908, Cl. 137—68.  
Huthsing, Charles K., Jr.: *See—*  
Huthsing, Charles K., and C. K. Huthsing, Jr. 2,710,658.  
Hutsell, Thomas A. 2,706,029, Cl. 194—73.  
Hutsell, Thomas A. 2,713,441, Cl. 221—39.  
Hutt, Philip, to General Electric Co. 2,723,317, Cl. 200—5.  
Huttenlock, George B., and W. A. Cammon. 2,709,919, Cl. 73—306.  
Huttenwerk Oberhausen Aktiengesellschaft: *See—*  
Graef, Rudolf F. 2,707,677.  
Huttenwerk Rheinhausen Aktiengesellschaft: *See—*  
Klotzbach, Günter A. 2,700,849.  
Vorwerk, Otto K. 2,702,967.  
Huttig Sash & Door Co.: *See—*  
Trammell, Earl M., Sr. 2,711,617.  
Hutton, Dorothy D. 2,710,711, Cl. 222—400.8.  
Hutton, Philip C., to Silentbloc Ltd. 2,720,374, Cl. 248—358.  
Hutton, Philip C., to Silentbloc Ltd. 2,728,593, Cl. 287—85.  
Hutton, Robert D. 2,719,215, Cl. 240—8.3.  
Huxtable, Leonard G.: *See—*  
Stuart, Whitney A., and Huxtable. 2,714,751.  
Hwa, Jesse C. H., to Rohm & Haas Co. 2,725,361, Cl. 260—2.1.  
Hyams, Herbert B., to Atlas Mfg. Co. 2,699,617, Cl. 38—136.  
Hyams, Montagu, and A. Nicholson, to Parker Rust-Proof Co. 2,702,768, Cl. 148—6.15.  
Hyatt, Woodv D. 2,722,902, Cl. 111—7.  
Hyde, A. R., & Sons Co.: *See—*  
Shapiro, Isadore. Re. 23,922.  
Hyde, Cecil M. 2,712,677, Cl. 20—2.  
Hyde, J. J.: *See—*  
Torgerson, Ernest L. 2,702,526.  
Hyde, Lawrence K., to Baldwin-Lima-Hamilton Corp. 2,726,542, Cl. 73—95.  
Hyde, Merritt A., and J. P. Houck, to Westinghouse Electric Corp. 2,725,552, Cl. 340—225.  
Hyde, Robert W., to The Schaible Co. 2,709,046, Cl. 241—32.5.  
Hydell, Robert C.: *See—*  
Schwalbe, Hellmuth C., Hydell, and O'Connor. 2,700,621.  
Hyden, Irwin F., to Northrop Aircraft, Inc. 2,727,223, Cl. 340—201.  
Hydra-Feed Machine Tool Corp., The: *See—*  
Lomazzo, Edmund J. 2,713,283.  
Hydraulic Accessories Co.: *See—*  
Monahan, John C. 2,707,135.  
Hydraulic Dredging Co., Ltd.: *See—*  
Cushing, Paul J. 2,702,437.  
Hydraulik A/S: *See—*  
Vestre, Rasmus. 2,718,759.  
Hydro-Aire, Inc.: *See—*  
Suthann, Robert A. 2,713,986.  
Yarber, Gordon W. 2,716,425.  
Hydro-Ash Corp.: *See—*  
Stokoe, James. 2,708,489.



- Hydrocarbon Research, Inc.: *See*—  
 Johnson, Clarence A., and Schuman. 2,707,698.  
 Johnson, Clarence A., and Schuman. 2,707,699.  
 Johnson, Evan A., Jr. 2,715,323.  
 Kalbach, John C. 2,700,599.  
 Keith, Percival C. 2,702,267.  
 Keith, Percival C. 2,707,700.  
 Mayhew, Robert L. 2,699,175.
- Hydrofoil Corp., The: *See*—  
 Bush, Vannevar, and Scherer. 2,709,979.  
 Gilruth, Robert R. 2,703,063.
- Hydropress, Inc.: *See*—  
 Albers, Heinrich B. 2,722,174.  
 Albers, Heinrich B. 2,722,905.  
 Albers, Heinrich B. 2,723,982.  
 Albers, Heinrich B. 2,727,556.  
 Albers, Heinrich B., and Morrison. 2,722,144.  
 Albers, Heinrich B., and Terhune. 2,703,024.  
 Bertrand, Joseph V. 2,716,421.  
 Bottenhorn, Hermann A. 2,703,614.  
 Cozzo, Giuseppe. 2,699,196.  
 Kent, Francis J. 2,707,388.  
 Kent, Francis J. 2,713,418.  
 Reichl, Raymond M. 2,725,473.
- Hyland, John E. 2,719,312, Cl. 15—55.  
 Hyland, William A., and E. E. Schnell, to John Deere Van Brunt Co. 2,701,513, Cl. 97—245.  
 Hylas, Albert E., to Allen B. Du Mont Laboratories, Inc. 2,725,536, Cl. 333—82.  
 Hylton, Katherine M.: *See*—  
 Johnson, George W. 2,699,889.
- Hyman, Abraham, 2,702,365, Cl. 323—123.  
 Hyman, Benjamin M., to International Harvester Co. 2,711,244, Cl. 198—9.  
 Hyman, Benjamin M., to International Harvester Co. 2,723,566, Cl. 74—242.1.  
 Hyman, George. 2,701,932, Cl. 45—5.  
 Hyman, Mark, Jr. 2,710,284, Cl. 252—301.2.  
 Hyman, Robert A.: *See*—  
 Matthews, Kenneth A., and Hyman. 2,713,132.  
 Hyman, Sam M. 2,719,370, Cl. 38—66.  
 Hynek, Thomas E. 2,710,474, Cl. 40—125.  
 Hynes, Adrien M. 2,728,089, Cl. 5—354.  
 Hyslop, Francis E., Jr. and L. B. 2,726,845, Cl. 254—131.  
 Hyslop, Lois B.: *See*—  
 Hyslop, Francis E., Jr. and L. B. 2,726,845.
- Hyson, Archibald M., to E. I. du Pont de Nemours and Co. 2,710,302, Cl. 260—464.
- Hyster Co.: *See*—  
 Ehmann, Leslie G. 2,706,061.
- Hytron Radio & Electronics Co.: *See*—  
 Ropes, George F. 2,726,311.  
 Sachs, Rudolph. 2,726,357.  
 Tomer, Robert B. 2,713,083.
- I L G Electric Ventilating Co.: *See*—  
 Drechsel, Fred E. 2,711,682.
- I-T-E Circuit Breaker Corp.: *See*—  
 Conangla, Amado. 2,701,314.  
 Diebold, Edward J. 2,714,709.  
 Edmunds, William H. 2,701,284.  
 Foti, Arem. 2,699,482.  
 Foti, Arem. 2,702,323.  
 Jamison, Donald R. 2,714,646.  
 Pokorny, Frank J. 2,727,111.  
 Rudd, Harold H. 2,706,744.  
 Smith, Roy M. 2,713,622.  
 Thumim, Carl. 2,704,311.
- Iacobitti, Joseph. 2,705,900, Cl. 84—505.
- Iacono, John D.: *See*—  
 Raines, Thomas A. 2,714,379.
- Iannarone, Joseph J., Jr., to E. I. du Pont de Nemours and Co. 2,700,589, Cl. 8—55.  
 Iannelli, Frank M. 2,703,666, Cl. 222—447.  
 Iannetti, Ernest D. 2,706,967, Cl. 119—121.  
 Iasillo, Casper. 2,711,898, Cl. 272—33.  
 Iavelli, Teno, A. J. Syrovoy, and A. B. Couture, to Chrysler Corp. 2,701,948, Cl. 60—12.  
 Ibarlucia, Alfredo: *See*—  
 Hojman, Jorge A., Kiguel, and Ibarlucia. 2,722,269.
- Ibuka, Masaru, and K. Iwama. 2,715,659, Cl. 179—100.2.
- Ice, Clark H.: *See*—  
 Wener, Simon H., and Ice. 2,727,890.
- Icecrafter (Liquidating) Trust: *See*—  
 Bayston, John R. 2,726,516.  
 Capehart, Thomas C., and McShan. 2,726,514.
- Icenhower, Langdon L. 2,708,275, Cl. 4—187.
- Ichelson, Rose R., 1/4 to E. Unterberger and 1/4 to J. G. Denny, Jr. 2,709,670, Cl. 167—84.5.
- Ickes, Rolland E. 2,714,884, Cl. 124—25.
- Iddings, Charles D.: *See*—  
 Woollayer, Homer J., Jenkins, and Iddings. 2,701,039.  
 Woollayer, Homer J., Jenkins, and Iddings. 2,711,804.  
 Woollayer, Homer J., Jenkins, Iddings, and Campbell. 2,706,539.
- Ide, Albert E. 2,705,563, Cl. 210—1.5.  
 Ide, John M. 2,699,835, Cl. 181—0.5.
- Ideal-Aerosmith, Inc.: *See*—  
 Kallenbach, Donald D. 2,719,942.
- Ideal Capsules Ltd.: *See*—  
 Railton, Denis E., and White. 2,699,265.
- Ideal Handbag Frame Mfg. Corp.: *See*—  
 Friedman, Thomas. 2,714,031.
- Ideal Industries, Inc.: *See*—  
 Robinson, Elvin B. 2,700,797.  
 Robinson, Elvin B., and Costner. 2,724,623.
- Ideal Toy Corp.: *See*—  
 Richards, Frank. 2,728,314.  
 Yakooeff, Josef. 2,706,364.
- Ideco, Inc.: *See*—  
 Macy, James C. Re. 23,980.
- Ifield, Richard J., to Joseph Lucas Ltd. 2,712,300, Cl. 121—38.  
 Ifield, Richard J., to Joseph Lucas Ltd. 2,722,894, Cl. 103—162.
- Ihrle, Merle L., and F. A. Root, to Bendix Aviation Corp. 2,709,847, Cl. 29—195.
- Ike, Arthur E. 2,718,063, Cl. 33—98.
- Ikeda, Fred K.: *See*—  
 Farrington, Thayer B. and R. K., and Ikeda and Mercer. 2,728,848.
- Iknayan, Alfred N.: *See*—  
 Clayton, Alfred B., and Iknayan. 2,724,424.
- Iknayan, Alfred N., to United States Rubber Co. 2,699,194, Cl. 152—350.
- Iknayan, Alfred N., L. C. Peterson, and H. J. Batts, to United States Rubber Co. 2,702,286, Cl. 260—33.6.  
 Iknayan, Alfred N., L. C. Peterson, and H. J. Batts, to United States Rubber Co. 2,702,287, Cl. 260—38.
- Iler, Ralph K., to E. I. du Pont de Nemours and Co. 2,705,700, Cl. 252—28.
- Iler, Ralph K., to E. I. du Pont de Nemours & Co. 2,721,812, Cl. 117—76.  
 Iler, Ralph K., to E. I. du Pont de Nemours and Co. 2,726,961, Cl. 106—10.  
 Iler, Ralph K., to E. I. du Pont de Nemours and Co. 2,727,008, Cl. 252—313.  
 Iler, Ralph K., to E. I. du Pont de Nemours and Co. 2,727,876, Cl. 260—37.  
 Iler, Ralph K., to E. I. du Pont de Nemours and Co. 2,728,740, Cl. 260—41.
- Ilford Ltd.: *See*—  
 Fry, Douglas J., and Lea. 2,712,013.  
 Fry, Douglas J., and Lea. 2,715,623.  
 Fry, Douglas J., and Lea. 2,723,267.  
 Kendall, John D., and Duffin. 2,704,755.  
 Kendall, John D., and Duffin. 2,704,762.  
 Kendall, John D., and Duffin. 2,726,248.  
 Kendall, John D., Duffin, and Lawrence. 2,705,713.  
 Kendall, John D., and Fry. 2,705,234.  
 Wood, Henry W. 2,710,805.
- Ilfrey, William T.: *See*—  
 Abendroth, Guss F., Ilfrey, and Tausch. 2,725,107.
- Ilfrey, William T., and M. E. True, to Esso Research and Engineering Co. 2,716,341, Cl. 73—312.
- Illinois Clay Products Co.: *See*—  
 Veale, John H. 2,703,445.  
 West, Howard F., and Veale. 2,711,951.  
 West, Howard F., and Veale. 2,711,952.  
 West, Howard F., and Veale. 2,711,954.
- Illinois Duster & Brush Co.: *See*—  
 Wilson, Ludwig. 2,705,336.
- Illinois Railway Equipment Co.: *See*—  
 Johnson, Malcolm S. Re. 24,003.  
 Johnson, Malcolm S. Re. 24,033.  
 Johnson, Malcolm S. 2,716,382.  
 Johnson, Malcolm S. 2,716,383.  
 Johnson, Malcolm S. 2,716,384.
- Illinois Stoker Co.: *See*—  
 Simpson, Franklin S. 2,699,130.
- Illinois Testing Laboratories, Inc.: *See*—  
 Boyle, John R. 2,709,360.  
 Donath, Edwin W. 2,706,250.
- Illinois Tool Works: *See*—  
 Austin, Leonard E. 2,728,365.  
 Cox, Linvell A. 2,707,012.  
 Cox, Linvell A. 2,716,487.  
 Crowther, Edmond C. 2,716,434.  
 Hoenk, Robert L. 2,728,091.  
 Knohl, Friedrich K. 2,698,472.  
 Knohl, Friedrich K. 2,709,470.  
 Knohl, Friedrich K. 2,712,262.  
 Knohl, Friedrich K. 2,714,754.  
 Knohl, Friedrich K. 2,715,929.  
 Nielsen, Moritz H. 2,711,550.  
 Nielsen, Moritz H. 2,716,761.  
 Nielsen, Moritz H. 2,719,563.  
 Pergande, Leslie S. 2,726,456.  
 Poupitch, Ougljesa J. 2,702,063.  
 Poupitch, Ougljesa J. 2,703,418.  
 Poupitch, Ougljesa J. 2,708,956.  
 Poupitch, Ougljesa J. 2,713,883.  
 Poupitch, Ougljesa J. 2,716,247.  
 Poupitch, Ougljesa J. 2,716,760.  
 Poupitch, Ougljesa J. 2,724,419.  
 Poupitch, Ougljesa J. 2,724,811.  
 Poupitch, Ougljesa J. 2,724,882.  
 Poupitch, Ougljesa J. 2,728,092.  
 Poupitch, Ougljesa J. 2,728,259.  
 Rees, Clarence A. 2,727,551.  
 Saari, Oliver E. 2,726,455.  
 Stern, William. 2,714,214.  
 Stern, William. 2,716,762.
- Illinois Watch Case Co.: *See*—  
 Fritz, Carl H. 2,720,884.  
 Ireland, Ellison S. 2,719,648.



- Ilco Copper Tube & Products Inc.: *See*—  
     Stubbers, Andrew H. 2,724,814.  
 Iltis, Jean: *See*—  
     Seiz, Jacques, and Iltis. 2,721,264.  
 Image, William E., to Milford-Astor Ltd. 2,723,619, Cl. 101—44.  
 Imamoto, Sadasuke: *See*—  
     Munekata, Eiji, Imamoto, and Mihara. 2,707,670.  
 Imboden, Robert L.: *See*—  
     Szafran, Adolph C., and Imboden. 2,716,742.  
 Imhausen & Cie., G. m. b. H.: *See*—  
     Katzschmann, Ewald. 2,698,865.  
 Imhof, Herman A., to United Shoe Machinery Corp. 2,703,421, Cl. 12—12.1.  
 Imler, Donald I., to Selectronics, Inc. 2,705,392, Cl. 51—283.  
 Immel, Ralph B.: *See*—  
     Wibell, Martin, and Immel. 2,712,123.  
 Immel, Ralph B., and W. B. Guggi, to Westinghouse Electric Corp. 2,722,649, Cl. 318—494.  
 Immesoete, Arthur J.: *See*—  
     Oehler, William P., and Immesoete. 2,728,313.  
 Imperatore, Thomas, and A. Muniz. 2,718,766, Cl. 62—129.  
 Imperial Brass Mfg. Co., The: *See*—  
     Daniels, John J. 2,726,092.  
     Franck, George E. 2,702,065.  
     Franck, George E. 2,707,511.  
     Franck, George E. 2,709,474.  
     Franck, George E. 2,714,868.  
     Franck, George E. 2,723,624.  
     Franck, George E. 2,727,559.  
 Imperial Chemical Industries Ltd.: *See*—  
     Anderson, David K. C. 2,718,342.  
     Bond, Alexander E. 2,705,226.  
     Burdin, Nelson V. 2,726,800.  
     Carter, Ronald J., Gourlay, and Lovell. 2,711,416.  
     Clough, Harry. 2,709,193.  
     Clough, Harry. 2,709,194.  
     Coats, Robert R. 2,701,266.  
     Coats, Robert R., and Ingram. 2,705,248.  
     Dalziel, Alexander Y., and McLean. 2,704,867.  
     Davidson, Samuel H., and Sillitto. 2,711,366.  
     Davies, William H., Marks, and Snow. 2,714,082.  
     Dijksman, Derek J., and McArthur. 2,725,397.  
     Doyle, Clifford J., and Sterer. 2,709,708.  
     Elleman, Albert J. 2,718,506.  
     Fletcher, Norman. 2,711,402.  
     Ganguin, Karl O., and Macdonald. 2,709,136.  
     Gaunt, Alfred, Earle, and Ross. 2,712,683.  
     Harding, John B., and Petrie. 2,711,429.  
     Hodgson, Maurice A. E. 2,725,403.  
     Hodkinson, John, and Lipscomb. 2,721,371.  
     Hutchison, Alexander C. 2,710,793.  
     Irving, Francis, and Livingston. 2,709,170.  
     Keggin, James F. 2,712,977.  
     Keggin, James F. 2,720,442.  
     Keggin, James F. 2,720,443.  
     Lilly, Cecil H., and Marke. 2,720,012.  
     Livingston, Robert, and Hutchison. 2,713,768.  
     Lowe, Arthur J. 2,709,407.  
     Marrion, Stanley F., and Thompson. 2,703,763.  
     Pearce, Thomas J. P. 2,716,055.  
     Reynolds, Peter W., and Lamb. 2,723,997.  
     Seed, John B., and Cassie. 2,714,832.  
     Seed, Leslie. 2,725,398.  
     Sillitto, George P., and Butchart. 2,711,948.  
     Sillitto, George P., and Howat. 2,700,336.  
     Taylor, Arthur W. C., and Harding. 2,723,998.  
     Taylor, James. 2,700,011.  
     Waterfall, Frederick D., and Hewson. 2,711,981.  
     Whetstone, John, and Bell. 2,720,446.  
     Wright, Harold R., Zenftman, and Whitworth. 2,716,056.  
     Zenftman, Henryk, and Whitworth. 2,724,394.  
 Imperial Knife Co., Inc.: *See*—  
     Baer, Albert M. 2,724,179.  
     Mirando, Michael A. 2,698,480.  
     Mirando, Michael A. 2,705,832.  
     Mirando, Michael A. 2,711,019.  
     Mirando, Michael A. 2,728,159.  
 Imperial Trust for the Encouragement of Scientific and Industrial Research, The: *See*—  
     Hardy, Douglas V. N., and Grant. 2,705,186.  
 Improved Machinery, Inc.: *See*—  
     Alexander, Ronald R. 2,710,635.  
 Imse, Philip J., to Chain Belt Co. 2,717,520, Cl. 74—242.11.  
 Imshaug, Arnold L. 2,728,147, Cl. 34—146.  
 Incandescent Heat Co. Ltd.: *See*—  
     Edwards, Tom. 2,712,963.  
 Income S. p. A.: *See*—  
     Winkle, Adolf. 2,703,114.  
 Inconex Handelsgesellschaft m. b. H. fur industrielle Produkte-Konstruktionen-Export: *See*—  
     Adamek, Karl H. 2,718,115.  
 Incore, Inc.: *See*—  
     Schmid, Herman, and Hobush. 2,700,225.  
 Independence Life Insurance Co., The: *See*—  
     Gray, Walter R. 2,706,550.  
 Independent Lock Co.: *See*—  
     Falk, Morris. 2,707,335.  
     Falk, Morris. 2,707,386.  
 Independent Pneumatic Tool Co.: *See*—  
     Fuehrer, George H. 2,721,540.  
 Indergand, Josef, R. Pudelko, and W. Bugmann, to Landis & Gyr, A.G. 2,699,365, Cl. 308—10.  
 Indevco, Inc.: *See*—  
     Bremer, Hermann F. 2,725,458.  
 Indge, Herbert S., to Norton Co. 2,709,321, Cl. 51—118.  
 Indge, Herbert S., to Norton Co. 2,709,876, Cl. 51—118.  
 Indge, Herbert S., to Norton Co. 2,715,800, Cl. 51—118.  
 Indiana Steel Products Co., The: *See*—  
     Howell, Hugh A. 2,723,315.  
 Indiana Steel & Wire Co., Inc.: *See*—  
     Holmes, Alvin W., and Burns. 2,708,181.  
 Indiana University Foundation: *See*—  
     Campaigne, Ernest E. 2,711,413.  
 Industriaktiebolaget Luxor: *See*—  
     Wennerbo, Erik, and Svensson. 2,722,426.  
 Industrial Ceramic Products, Inc.: *See*—  
     Orth, Howard S., Oberst, and Cramer. 2,713,712.  
 Industrial Clutch Corp.: *See*—  
     Eason, Clarence M. 2,698,676.  
 Industrial Engineering Co.: *See*—  
     Ganster, Joseph A., Jr. 2,727,594.  
 Industrial Engineering & Equipment Co.: *See*—  
     Epstein, Milton. 2,712,588.  
 Industrial and Financial Association, Inc.: *See*—  
     Delruelle, Andre. 2,699,985.  
 Industrial Hardware Mfg. Co., Inc.: *See*—  
     Wintriss, George. 2,704,837.  
 Industrial Instrument Corp.: *See*—  
     Reese, William M. 2,712,968.  
 Industrial Patent Corp.: *See*—  
     Wales, Nathaniel B., Jr. 2,699,857.  
     Wales, Nathaniel B., Jr. 2,700,150.  
 Industrial Rayon Corp.: *See*—  
     Bruns, Herman A. 2,700,027.  
     Bruns, Herman A. 2,712,015.  
     Courson, George F. 2,706,040.  
     Hooper, Gilman S. 2,723,900.  
     Mayner, Thomas S. 2,706,035.  
     McLellan, Kenneth M. 2,715,753.  
     Oberly, Louis A. 2,725,734.  
     Terpay, John M. 2,716,586.  
 Industrial Research Laboratories: *See*—  
     Johnson, William G., and Castleton. 2,717,668.  
 Industrial Tool & Machine Co.: *See*—  
     Kalberer, Otto F. 2,718,708.  
 Industrie- en Handelsmaatschappij "De Vuurslag" C. V.: *See*—  
     Neutelings, Willem, and Kengen. 2,724,348.  
 Industriemiska Aktiebolaget: *See*—  
     Fischerström, Nils C. H., and Gullström. 2,708,571.  
 Inc, Frank H. 2,723,831, Cl. 251—155.  
 Ineichen, Rudolf, to Machine Tool Works Oerlikon, Administration Co. 2,710,597, Cl. 121—45.  
 Infante, Samuel J. 2,700,822, Cl. 32—12.  
 Infants Socks, Inc.: *See*—  
     Bausher, Jeremiah L. 2,703,971.  
     Rickert, Frederick D., and Post. 2,698,532.  
 Inflico Inc.: *See*—  
     Banks, Robert B. 2,718,275.  
     Hughes, Walter J. Re. 24,088.  
     Hughes, Walter J. 2,710,126.  
     Hughes, Walter J. 2,711,134.  
     Hughes, Walter J. 2,718,496.  
     Kalinske, Anton A. 2,710,099.  
 Ingalls, David, and T. N. Anderson, to Airtron, Inc. 2,724,660, Cl. 117—75.  
 Ingarra, Nicholas. 2,725,667, Cl. 45—139.  
 Ingels, Glenn R. 2,704,884, Cl. 29—527.  
 Ingelstam, Erik. 2,712,265, Cl. 88—14.  
 Ingersoll, James H., to Borg-Warner Corp. 2,705,448, Cl. 97—217.  
 Ingersoll, James H., to Borg-Warner Corp. 2,705,534, Cl. 164—50.  
 Ingersoll Milling Machine Co., The: *See*—  
     Bowen, Earl M. Re. 23,969.  
 Ingersoll-Rand Company: *See*—  
     Arnold, Harry I. 2,725,771.  
     Bancel, Paul A. 2,704,631.  
     Bancel, Paul A. 2,714,881.  
     Brkich, Alexander. 2,710,205.  
     Deshler, Walter B. 2,725,918.  
     Hornschuch, Hanns. 2,706,651.  
     Jimerson, Francis A. 2,718,803.  
     Koplin, Peter F. 2,703,739.  
     Sellars, Oliver H. 2,705,127.  
     Weaver, Samuel H. 2,719,762.  
 Ingersoll, Roy C., C. F. Ferre, and L. K. Albert, to Borg-Warner Corp. 2,714,316, Cl. 76—89.2.  
 Inghram, Mark G., and D. C. Hess, to the United States of America as represented by the United States Atomic Energy Commission. 2,710,354, Cl. 250—41.9.  
 Ingle, George W.: *See*—  
     Conery, George F., and Ingle. 2,711,968.  
 Ingledue, Elwood F., to Thompson Products, Inc. 2,707,143, Cl. 346—32.  
 Inglesfield, Charles L., Jr., to United States Steel Corp. 2,708,171, Cl. 117—46.  
 Inglett & Corley, Inc.: *See*—  
     Inglett, Wilfred L. 2,705,607.  
 Inglett, Wilfred L., to Inglett & Corley, Inc. 2,705,607, Cl. 249—45.  
 Ingold, Hans. 2,706,573, Cl. 214—16.  
 Ingold, Hans. 2,707,442, Cl. 105—31.  
 Ingraham, E., Co., The: *See*—  
     Fengler, Ferdinand. 2,709,333.



- Ingram, Dempsey D. 2,703,025, Cl. 81—7.5.  
 Ingram, Dixon. 2,711,588, Cl. 33—12.  
 Ingram, Donald W.: *See—*  
   Coats, Robert R., and Ingram. 2,705,248.  
 Ingram, Glen E. 2,722,006, Cl. 1—210.  
 Ingram, Orville. 2,709,972, Cl. 105—369.  
 Ingram, Walter J. 2,721,065, Cl. 261—124.  
 Ingram, William A. 2,724,924, Cl. 46—90.  
 Ingwer, Carl H., to The Ridge Tool Co. 2,705,119, Cl. 248—55.  
 Ingwer, Carl H., and C. E. Wright, to The Ridge Tool Co. 2,699,604, Cl. 30—97.  
 Ingwersen, Richard C., to Mechanical Products, Inc. Re. 23,971, Cl. 200—116.  
 Inhoffen, Hans H., to Hoffmann-La Roche Inc. 2,705,728, Cl. 260—598.  
 Inhoffen, Hans H., and O. L. Bremer, to Løvens Kemiske Fabrik ved A. Kongsted. 2,723,280, Cl. 260—397.5.  
 Injection Molding Co.: *See—*  
   Archer, William K., and Marchant. 2,711,766.  
   Gray, Robert F. 2,710,986.  
   Gray, Robert F. 2,717,728.  
 Injeski, Stanley G., Jr., to Dings Magnetic Separator Co. 2,702,123, Cl. 209—223.  
 Injeski, Stanley G., Jr., to Dings Magnetic Separator Co. 2,719,630, Cl. 209—219.  
 Inland Container Corp.: *See—*  
   Ketler, Lester K. 2,726,803.  
 Inland Mfg. Co.: *See—*  
   Langfeld, Daniel. 2,722,753.  
 Inland Steel Co.: *See—*  
   Hallev, James W. 2,720,361.  
   Sheets, Cleo B. 2,726,079.  
 Inman, Charles E.: *See—*  
   Gall, John F., and Inman. 2,702,306.  
 Inman, George E.: *See—*  
   Keiffer, Raymond L., and Inman. 2,714,681.  
 Inman, William H., to Bloomer Bros. Co. 2,708,065, Cl. 229—33.  
 Inman, William H., to Bloomer Bros. Co. 2,718,347, Cl. 229—28.  
 Inman, William H., to Bloomer Bros. Co. 2,720,143, Cl. 93—37.  
 Inman, William H., to Bloomer Bros. Co. 2,725,174, Cl. 229—28.  
 Inman, William H., to Bloomer Bros. Co. 2,725,175, Cl. 229—28.  
 Inman, William H., to Bloomer Bros. Co. 2,725,176, Cl. 229—28.  
 Inman, William H., to Bloomer Bros. Co. 2,725,177, Cl. 229—28.  
 Innerfield, Barry G. 2,714,267, Cl. 41—1.  
 Insetta, Lloyd W.: *See—*  
   Stott, Albert M., and Insetta. 2,704,331.  
 Insley, Bert T.: *See—*  
   Corley, Buren L., and Insley. 2,714,381.  
 Insta-Freeze Corp.: *See—*  
   Read, George E. 2,713,474.  
 Instant Drying Corp.: *See—*  
   Bishop, Howard B. 2,698,815.  
 Institut Francais du Petrole des Carburants et Lubrifiants: *See—*  
   Hugel, Georges L., Lerer, and Courtel. 2,704,744.  
   Souillard, Georges J. P. 2,707,197.  
 Institute of Gas Technology, The: *See—*  
   Pettyjohn, Elmore S. 2,706,706.  
   Pettyjohn, Elmore S. 2,719,819.  
   Pettyjohn, Elmore S., and Linden. 2,707,675.  
   Pettyjohn, Elmore S., and Linden. 2,721,122.  
   Pettyjohn, Elmore S., and Linden. 2,721,123.  
   Pettyjohn, Elmore S., and von Fredersdorff. 2,715,573.  
 Institute of Inventive Research: *See—*  
   Poulter, Thomas C. 2,698,575.  
   Swift, Lawrence M. 2,713,395.  
   Youtz, Philip N. 2,720,017.  
 Institutum Divi Thomae Foundation: *See—*  
   Cook, Elton S., and Kreke. 2,719,811.  
 Institutum Divi Thomae Foundation, The: *See—*  
   Embschhoff, George F., and Sperti. 2,724,790.  
 Instruments, Inc.: *See—*  
   Graham, Ollie W. 2,713,124.  
 Insul-8-Corp.: *See—*  
   Ford, Tirey L., Shaw, Howell, Pfaff, and Rice. 2,704,309.  
 Integral Clad Metals Co.: *See—*  
   Fromson, Howard A. 2,728,136.  
 Integral Ltd.: *See—*  
   Bray, Peter E. 2,709,422.  
 Integrated Mica Corp.: *See—*  
   Heyman, Moses D. 2,703,598.  
   Heyman, Moses D. 2,705,456.  
   Heyman, Moses D. 2,708,032.  
 Interchemical Corp.: *See—*  
   Goldstein, Gabriel F. 2,708,188.  
   Pizzarello, Roy A., and Schneid. 2,727,044.  
   Smith, Daniel, and Hurley. 2,707,916.  
   Smith, William T., Euverard, and Weidlich. 2,727,266.  
 Inter-City Mfg. Co.: *See—*  
   Mora, Steve. 2,721,346.  
 Intercraft Corp.: *See—*  
   Oxaal, Leif, and Choumenkovitch. 2,718,133.  
 Interior, United States of America as represented by the Secretary of the: *See—*  
   Elliott, Martin A., Corey, and Perry. 2,703,275.  
   Golumbic, Calvin. 2,724,001.  
   Loud, Edward I., Jr. 2,704,960.  
   Schmidt, Lawrence D., and Holden. 2,710,232.  
   Wylie, Donald L., and Marhart. 2,710,368.  
 Interior, United States of America as represented by the Secretary of the Department of the: *See—*  
   Stringfield, Theodore W., Spaulding, Stevens, and Behrens. 2,725,526.  
 Interior, United States of America as represented by the Solicitor of the Department of the: *See—*  
   Geer, Max R., and Klein. 2,708,360.  
   Schmid, Byron C. 2,714,960.  
 International Alloys Ltd.: *See—*  
   Scheuer, Ernst. 2,724,160.  
 International Business Machines Corp.: *See—*  
   Anderson, Arthur G., and Hahn. 2,714,714.  
   Anderson, Arthur G., Horton, and Walker. 2,718,629.  
   Beattie, Horace S. 2,709,959.  
   Blakely, Robert T. 2,720,642.  
   Bradley, Leslie W. 2,700,757.  
   Buhler, Eugen. 2,702,506.  
   Buhler, Eugen. 2,717,685.  
   Buhler, Eugen. 2,726,940.  
   Buhler, Eugen, and Clark. 2,720,134.  
   Burrell, Warren P., Cohen, and Hardenbergh. 2,718,356.  
   Cartwright, John R. 2,703,202.  
   Cole, David F. 2,724,233.  
   Connolly, Charles E. 2,706,079.  
   Cunningham, James M. 2,727,952.  
   Demer, Frederick M., and Mork. 2,714,841.  
   Dickinson, Arthur H. 2,700,750.  
   Dickinson, Arthur H. 2,702,666.  
   Dickinson, Arthur H., and Paulsen. 2,717,994.  
   Dodge, Ronald D., Page, and Norcross. 2,720,959.  
   Emery, Raymond W. 2,724,061.  
   Estrems, Eugeni. 2,700,756.  
   Fitch, Clyde J. 2,715,166.  
   Fitch, Clyde J. 2,721,229.  
   Fitch, Clyde J. 2,727,943.  
   Ghertman, Ioino. 2,711,794.  
   Greaves, Robert W. 2,726,166.  
   Hahn, Erwin L. 2,705,790.  
   Hamilton, Francis E., and Seeber. 2,700,502.  
   Havens, Byron L. 2,700,738.  
   Hendrich, Henry A., and Gray. 2,702,428.  
   Holmwood, Richard H. 2,700,556.  
   Jacobson, Carl H. 2,723,776.  
   Johnson, Reynold B. 2,699,111.  
   Johnson, Reynold B. 2,724,026.  
   Kistner, Harold J. 2,714,850.  
   Kress, George H., and Sundberg. 2,710,473.  
   Larrabee, Clinton E. 2,715,054.  
   Luhn, Hans P. 2,702,621.  
   Luhn, Hans P. 2,717,121.  
   Luhn, Hans P. 2,720,360.  
   Luhn, Hans P. 2,723,801.  
   Luhn, Hans P. 2,723,849.  
   Luhn, Hans P. 2,726,860.  
   Luhn, Hans P. 2,727,688.  
   Luhn, Hans P., and Johnson. 2,717,733.  
   Luning, George A. 2,720,832.  
   Malmros, Gustav V. A., and Barber. 2,704,511.  
   Malmros, Gustav V. A., and Barber. 2,723,118.  
   Morgan, William F. 2,724,755.  
   Mork, Ralph G. 2,720,586.  
   Nordyke, Horace W., Jr. 2,700,703.  
   Nordyke, Horace W., Jr. 2,717,928.  
   Orshansky, Elias, Jr. 2,709,408.  
   Paris, Robert E. 2,726,601.  
   Pealler, Theodore. 2,717,642.  
   Schlessiger, Paul J., and Smith. 2,724,332.  
   Schumacher, Otto. 2,720,641.  
   Seeber, Robert R., Jr. 2,717,686.  
   Shoultes, Donald P., and Swarthout. 2,727,990.  
   Smith, William R. 2,720,961.  
   Sprecker, Alfred L. 2,700,271.  
   Stauss, Karl R., and Hamilton. 2,723,850.  
   Stoddard, Emory F., and Reidy. 2,724,232.  
   Toeppen, Thurston H. 2,723,740.  
   Triest, William E. 2,709,757.  
   Tucker, Gardiner L. 2,700,147.  
   Weidenhammer, James A. 2,708,267.  
   Whitney, Gordon E. 2,710,928.  
   Wild, Herbert K. 2,724,104.  
   Wilson, Edward S. 2,727,685.  
   Woods-Hill, William, and Davis. 2,703,201.  
 International Cellucotton Products Co.: *See—*  
   Greiner, Charles J., and Collins. 2,710,007.  
   Harwood, Kenneth J., Hogue, Le Dain, and Sabee. 2,719,337.  
   Jones, David D., and Banks. 2,698,692.  
 International Cigar Machinery Co.: *See—*  
   Neumair, Joseph A., and Clausen. 2,724,389.  
 International Coffee Corp.: *See—*  
   Brown, William F. 2,715,868.  
 International Electronics Co., The: *See—*  
   Reed, Frank J. 2,714,512.  
   Reed, Frank J. 2,717,282.  
   Reed, Frank J., and Bobb. 2,719,884.  
   Roberts, Bruce. 2,712,572.



- International Engineering, Inc.: *See*—  
McElroy, Roy H. 2,702,163.
- International Fisheries Machinery Co., Inc.: *See*—  
Savrdá, Charles M. 2,722,711.
- International Harvester Co.: *See*—  
Abrahamsen, Henry C. 2,711,241.  
Arend, Christopher. 2,700,555.  
Arend, Christopher. 2,727,348.  
Barbknecht, Fred W. 2,711,066.  
Beardsley, Gale R. 2,713,332.  
Bechman, William O. 2,723,767.  
Bechman, William O., Land, Baker, and Henning. 2,716,907.  
Benno, Edward L. 2,724,952.  
Bing, John H. 2,711,262.  
Borgerd, William F. 2,702,994.  
Borgerd, William F. 2,716,418.  
Borgerd, William F. 2,725,117.  
Borgerd, William F., Calling, and Abbott. 2,703,106.  
Bornzin, James H. 2,703,246.  
Bornzin, James H. 2,718,189.  
Bornzin, James H. 2,723,572.  
Bornzin, James H. 2,725,009.  
Brantingham, Paul T. 2,707,944.  
Calling, John. 2,700,362.  
Clark, Adna R. 2,723,537.  
Courtney, Joseph F., and Radtke. 2,700,253.  
Courtney, Joseph F., and Radtke. 2,720,728.  
Cutliff, Norman J., and Brogan. 2,716,695.  
Dales, Benton. 2,718,325.  
Derr, Elmer B. 2,723,540.  
Erickson, Vedick A., and Vance. 2,724,318.  
Evans, Arthur G. 2,724,314.  
Faust, Ellwood L. 2,726,500.  
Fenster, Abraham S., and Ulm. 2,727,347.  
Ferguson, Henry A., and Boyle. 2,723,569.  
Frie, George R., and Selzer. 2,725,099.  
Gaul, Edward M., Marks, and Oldham. 2,711,081.  
Georgen, Wendell L. 2,718,041.  
Hall, John R. 2,726,502.  
Harris, Arvel R. 2,702,993.  
Harstick, William H. 2,700,392.  
Harstick, William H. 2,711,288.  
Harstick, William H., and Hein. 2,725,189.  
Heckendorf, Howard A. 2,699,145.  
Hein, Harold W. 2,725,245.  
Hein, Harold W., and Harstick. 2,725,190.  
Henning, William W. 2,718,437.  
Hershman, Gordon L. 2,725,072.  
Hinkel, Lester H. 2,706,140.  
Hinkel, Lester H. 2,718,446.  
Hintz, Otto E., and Nakata. 2,718,109.  
Hodsdon, Floyd G. 2,703,068.  
Hubert, Clarence A., and Ziskal. 2,716,966.  
Hyman, Benjamin M. 2,711,244.  
Hyman, Benjamin M. 2,723,566.  
Jedrzykowski, Edmund. 2,718,271.  
Jennings, Marvin D. 2,724,313.  
Johnson, Arnold E. W., and Mitchell. 2,700,233.  
Karlsson, Elof K. 2,723,521.  
Komuchar, Victor J., and Gammie. 2,726,662.  
Kowalik, John J. 2,706,032.  
Land, Harry A. 2,716,577.  
Macy, James R. 2,706,234.  
Maki, Edwin C., and Schmidt. 2,720,866.  
McNamara, Gordon G., Jr. 2,716,325.  
Morkoski, James. 2,718,184.  
Morkoski, James. 2,720,741.  
Morkoski, James. 2,723,612.  
Morkoski, James, and Toland. 2,720,824.  
Mott, Carl W. 2,705,861.  
O'Neil, Gordon R. 2,707,908.  
Orelind, John R. 2,711,065.  
Orelind, John R., and Harstick. 2,705,970.  
Orelind, John R., Hein, and Paplaski. 2,725,187.  
Orendorff, John W. 2,724,491.  
Peck, Duane F. 2,718,631.  
Peterson, Walter R., and Radtke. 2,700,478.  
Pool, Stuart D. 2,703,956.  
Pool, Stuart D. 2,723,667.  
Pool, Stuart D. 2,723,668.  
Pool, Stuart D., and Karlsson. 2,716,322.  
Pool, Stuart D., and Karlsson. 2,723,522.  
Pool, Stuart D., and Karlsson. 2,723,669.  
Pool, Stuart D., and Walker. 2,716,358.  
Povnor, Russell R., and Peterson. 2,718,433.  
Radtke, Adelbert C. 2,698,965.  
Raney, Russell R. 2,726,663.  
Raney, Russell R., Komuchar, and Bing. 2,704,166.  
Raney, Russell R., Komuchar, Gammie, and Evans. 2,726,501.  
Roberson, Raymond F. 2,724,315.  
Scarlett, Arthur A., and Young. 2,700,261.  
Scarlett, Arthur A., and Young. 2,704,429.  
Schwenker, Eric H., and Scott. 2,720,683.  
Selzer, John. 2,711,342.  
Sewelin, Ernest R., Lee, and Lindblom. 2,708,133.  
Sewelin, Ernest R., and Olender. 2,708,134.  
Shager, Bernise J., and Van Buskirk. 2,713,299.  
Showalter, Carl N. 2,711,239.  
Sisulak, Michael S. 2,718,159.  
Smith, Coleman F. 2,724,867.
- International Harvester Co.: *See*—Continued.  
Steward, Ray D., and Lee. 2,723,710.  
Swift, John F., and Lindblom. 2,724,973.  
Vahs, William. 2,704,131.  
Wagner, John C. 2,725,251.  
Walker, Delos A. 2,700,266.  
Ziskal, Joseph F. 2,699,150.
- International Hormones, Inc.: *See*—  
Barsel, Norman. 2,728,772.  
Fleischhacker, Desider, and Barsel. 2,712,024.
- International Industries, Inc., (N. S. L.): *See*—  
Summers, Orran B. 2,711,914.
- International Latex Corp.: *See*—  
Barth, Harry J. 2,707,281.  
Batzdorff, Alfred. 2,723,435.  
Hawie, Gabriel S., Sebrell, and Ambrose. 2,723,434.  
Krieger, Larry L. 2,713,683.  
Ludwig, Walter L. 2,709,006.  
Owen, Harold A. 2,703,416.  
Spanel, Louis A., Owen, and Barth. 2,721,323.
- International Minerals & Chemical Corp.: *See*—  
Anderson, Dave. 2,724,497.  
Buchanan, Ben F. 2,709,658.  
Cardinal, Earl V. 2,706,737.  
Cook, Charles C., Jr. 2,706,044.  
Dancy, William B., and Adams. 2,699,377.  
Fuchsman, Charles H. 2,703,272.  
Hoglan, Forest A. 2,713,592.  
Jones, William E. 2,723,291.  
Lawver, James E. 2,723,029.  
Le Baron, Ira M. 2,709,640.  
Le Baron, Ira M. 2,709,649.  
Le Baron, Ira M. 2,722,472.  
Schlaeger, Albert J., and Radecki. 2,723,292.
- International Mutoscope Corp.: *See*—  
Rabkin, William, and Bencivengo. 2,703,664.
- International Nickel Co., Inc., The: *See*—  
Bucknall, Eric H. 2,709,145.  
Eash, John T. 2,726,152.  
Fernsler, Edward B., and Tschop. 2,710,271.  
Foley, Francis B., and Clark. 2,708,159.  
Prine, Walter H. 2,726,201.  
Ramsay, Alexander G., and Wallis. 2,726,951.  
Sproule, William K., Queneau, and Nowlan. 2,719,082.  
Wallis, Albert E., and Pincott. 2,726,144.  
Welblund, Albert G. 2,698,978.
- International Paper Box Machine Co.: *See*—  
Chandler, Austin S. 2,723,603.
- International Paper Co.: *See*—  
Baumann, Martin. 2,702,155.  
Evers, Arthur J. 2,706,515.  
Thompson, Caney A. 2,712,330.
- International Projector Corp.: *See*—  
Heldegger, Henry F. 2,704,395.
- International Register Co.: *See*—  
Gallagher, William P., and Courant. 2,701,845.  
Gallagher, William P., Stolle, and Bielik. 2,709,341.  
Stolle, Anthony D., and Ellis. 2,728,822.
- International Sales Co.: *See*—  
Tuck, George A. 2,704,538.
- International Shoe Machine Corp.: *See*—  
Michalek, Josef. 2,720,669.
- International Smelting and Refining Co.: *See*—  
Yates, Charles E. 2,715,385.
- International Standard Electric Corp.: *See*—  
Barnard, Roy M., and Buckley. 2,706,682.  
Beale, Evelyn S. L. 2,722,604.  
Branch, Maurice C., King, and Walsh. 2,722,630.  
Brown, Andrew, and Benner. 2,702,321.  
Buchmann, Gerhard. 2,717,047.  
Clavier, André G. 2,718,002.  
Clavier, André G., and Thomas. 2,723,378.  
Cresson, George M. 2,723,302.  
Den Hertog, Martinus. 2,706,748.  
Drubig, Horst, Eisele, Strattner, and Parow. 2,714,694.  
Earp, Charles W. 2,717,379.  
Eisele, Josef H., and Geisselsöder. 2,698,918.  
Frum, Alexander. 2,723,310.  
Ganitta, Eugen. 2,709,721.  
Glover, William F., and Giles. 2,713,007.  
Goerlich, Reinhard. 2,712,910.  
Gohorel, Fernand P. 2,717,924.  
Gohorel, Fernand P. 2,724,019.  
Gosslar, Karl. 2,717,325.  
Grayson, Harry, McLeod, and Vernon-Smith. 2,703,865.  
Haberkorn, Rudolf. 2,698,722.  
Haberkorn, Rudolf, and Ziegler. 2,719,681.  
Henquet, André J., and Gaugain. 2,719,882.  
Jammer, Jacob S. 2,710,392.  
Klepp, George F. 2,719,933.  
Klinkhammer, Kurt. 2,705,743.  
Klinkhammer, Kurt, and Mehls. 2,719,880.  
Lair, Julien J. B., and Deloraine. 2,723,309.  
MacMullan, John S. M., and Mortlock. 2,706,776.  
Manteuffel, Ernst. 2,723,810.  
Marlet, Anton F. 2,712,620.  
Martens, Jean V. 2,698,878.  
Matthews, Kenneth A., and Hyman. 2,713,132.  
McLarn, Ernest S. 2,723,322.  
Muhmer, Kurt. 2,705,602.  
Mullarkey, Alfred J. 2,701,301.  
Oden, Hoeckley. 2,722,568.



- International Standard Electric Corp.: *See*—Continued.  
 Pletscher, Hermann. 2,701,276.  
 Pouliart, Willy, den Hertog, and Adelaar. 2,724,018.  
 Pouliart, Willy H. P., and Michiels. 2,704,361.  
 Prietzel, Norbert. 2,703,687.  
 Ridler, Desmond S., and Reynolds. 2,722,565.  
 Schmidt, Hubert M. 2,710,346.  
 Schroder, Willi. 2,709,555.  
 Seiler, Karl. 2,701,216.  
 Seiler, Karl, and Fedotowski. 2,702,361.  
 Starr, Arthur T., and King. 2,705,776.  
 Strong, Charles E. 2,709,807.  
 Taylor, Frank H. 2,717,312.  
 Terry, Victor J. 2,701,277.  
 Touraton, Emile, Dumousseau, and Zwobada. 2,717,327.  
 Treadwell, Cyril G., and Munday. 2,719,877.  
 Urtel, Rudolf. 2,713,086.  
 Urtel, Rudolf. 2,713,131.  
 White, Charles de B., and Matthews. 2,701,281.  
 Wright, Edward S., and Robertson. 2,698,909.  
 Yosano, Iku. 2,712,623.
- International Staple and Machine Co.: *See*—  
 Forrester, William A. 2,703,402.  
 Schafroth, Werner, and Mott. 2,723,001.
- International Steel Co.: *See*—  
 Luke, Leo C. 2,721,404.  
 Nystrom, Karl F. 2,703,181.  
 Nystrom, Karl F. 2,706,051.
- International Telemeter Corp.: *See*—  
 Rosenberg, Milton. 2,709,248.  
 Rosenberg, Milton, and Stanavice. 2,712,126.  
 Stuart-Williams, Raymond, and Rosenberg. 2,720,597.
- International Telephone and Telegraph Corp.: *See*—  
 Adams, Paul R., and Allison. 2,714,199.  
 Allison, John L. 2,726,387.  
 Arditi, Maurice, and Parzen. 2,726,332.  
 Arthur, Richard P., and Earle. 2,703,394.  
 Baracket, Albert J., Maxwell, and Numrich. 2,723,307.  
 Baum, Richard F. 2,713,164.  
 Bellamy, John I., and Bowers. 2,725,428.  
 Bellamy, John I., and Hemminger. 2,715,719.  
 Bigelow, John F. 2,726,282.  
 Black, Donald W. 2,724,079.  
 Boyer, Richard P., Jr. 2,710,893.  
 Boyer, Richard P., Jr. 2,718,557.  
 Culbertson, John L. 2,717,284.  
 Day, Cyril L. 2,728,425.  
 De Rosa, Louis A. 2,703,401.  
 De Rosa, Louis A., Di Toro, and Fischer. 2,718,638.  
 De Santis, Vincent J., and Hunter. 2,711,980.  
 Di Toro, Michael J. 2,726,283.  
 Di Toro, Michael J., Graham, and Dwork. 2,699,464.  
 Dodington, Sven H. M. 2,706,773.  
 Dodington, Sven H. M. 2,709,805.  
 Durst, Robert F., Florio, and Black. 2,724,078.  
 Dwork, Bernard M. 2,708,262.  
 Gobat, André R. 2,726,279.  
 Goldstein, Ladislav. 2,712,069.  
 Grieg, Donald D., and Engelmann. 2,721,312.  
 Grieg, Donald D., Engelmann, and Kostriza. 2,710,946.  
 Grieg, Donald D., Engelmann, and Kostriza. 2,725,535.  
 Hemminger, Paul W., and Bellamy. 2,700,071.  
 Henderson, J. Alvin. 2,726,329.  
 Himmel, Leon. 2,710,917.  
 Himmel, Leon. 2,713,163.  
 Himmel, Leon. 2,726,369.  
 Judy, Robert V. 2,724,020.  
 Kaganoff, Solomon. 2,708,215.  
 Kandoian, Armig G., and Felsenheld. 2,726,388.  
 Kough, Harold R. 2,707,274.  
 Krause, Irving A. 2,720,555.  
 Labin, Emile. 2,723,376.  
 Lawyer, James E. 2,723,029.  
 Majkrzak, Charles P., and Jones. 2,711,055.  
 Martin, Gregory L. 2,726,173.  
 Master, Warren S. 2,707,251.  
 McAdams, Bruce. 2,707,211.  
 Miller, Horace G., and Stillman. 2,699,504.  
 Nail, James J., and Spanos. 2,720,590.  
 Overman, Harold L. 2,706,252.  
 Pickles, Sidney B. 2,715,727.  
 Powers, Stephen J., and Bonner. 2,703,856.  
 Radcliffe, Arthur J., Jr. 2,725,532.  
 Saunders, Norman H. 2,700,072.  
 Seidel, Harold. 2,721,309.  
 Stoneback, Ira T. 2,708,771.  
 Taylor, Irving R. 2,726,389.  
 Thompson, Ben V., and Deiss. 2,707,271.  
 Warner, Arthur J., and Keel. 2,726,233.  
 Weintraub, Nelson. 2,717,992.  
 White, Edward A. 2,718,594.  
 Wing, Arthur K., Jr., and Marchese. 2,726,349.
- International Vibration Co., The: *See*—  
 Day, William P., and Hamilton. 2,725,799.
- International Ytong-Stabalite Co. Ltd.: *See*—  
 Sehardt, Wilhelm. 2,719,018.
- Inter-Seal Corp.: *See*—  
 Greene, Edgeworth. 2,723,773.
- Interstate Engineering Corp.: *See*—  
 Chaney, John W. 2,721,106.
- Interstate Folding Box Co., The: *See*—  
 Nerenberg, Robert W. 2,717,731.
- Intertherm A.-G., Fabrik für elektrische Apparate (Intertherm S. A., Fabrique d'appareils électriques): *See*—  
 Gallay, Francis. 2,712,053.
- Intertype Corp.: *See*—  
 Freund, Herman R. 2,698,562.  
 Freund, Herman R. 2,704,014.  
 Freund, Herman R., and Foster. 2,708,506.
- Interwoven Stocking Co.: *See*—  
 Thurston, Paul L. 2,705,878.  
 Thurston, Paul L. 2,708,838.
- Inventa A.-G. für Forschung und Patentverwertung Luzern: *See*—  
 Kahr, Kurt. 2,706,204.  
 Kümmel, Paul. 2,719,776.  
 Messner, Georg. 2,707,678.
- Invidiato, Cosmo L.: *See*—  
 Giambra, Stephen. 2,712,310.
- Invincible Metal Furniture Co.: *See*—  
 Schuette, John A. 2,726,915.
- Ionaire, Inc.: *See*—  
 Beckett, John C., and Hicks. 2,727,978.
- Ionia Mfg. Co., Inc.: *See*—  
 Hickok, Glenn G. 2,701,007.
- Ionics, Inc.: *See*—  
 Kasper, Andrew A. 2,702,272.  
 Rosenberg, Norman W. 2,708,658.
- Iorio, Gabriella A. 2,726,962, Cl. 106—13.
- Iowa College, The Trustees of: *See*—  
 Danforth, Joseph D. 2,720,550.
- Iowa Mfg. Co. of Cedar Rapids, Iowa: *See*—  
 Plumb, Robert F., and Linse. 2,727,732.
- Iowa State College Research Foundation, Inc.: *See*—  
 Fox, Sidney W., and Bullock. 2,701,250.  
 Fox, Sidney W., and Bullock. 2,701,251.
- Iowa Wringer Corp.: *See*—  
 Etten, Nicholas L. 2,722,818.
- Ipatieff, Vladimir N.: *See*—  
 Pines, Herman, and Ipatieff. 2,706,208.  
 Pines, Herman, and Ipatieff. 2,721,885.  
 Pines, Herman, and Ipatieff. 2,721,886.  
 Pines, Herman, and Ipatieff. 2,721,887.
- Irby, William, to General Electric Co. 2,701,285, Cl. 200—118.
- Ireland, Ellison S., to Illinois Watch Case Co. 2,719,648, Cl. 220—55.
- Ireland, Murray: *See*—  
 Gomersall, John R., and Ireland. 2,726,313.
- Ireland, Murray, to McGraw Electric Co. 2,700,237, Cl. 38—88.
- Ireland, Murray, to McGraw Electric Co. 2,710,901, Cl. 219—10.
- Ireland, Walter H.: *See*—  
 Sellers, Arthur G. 2,714,501.
- Ireton, Carl A., to The Specialty Papers Company. 2,714,952, Cl. 206—48.5.
- Irgens, Finn T., to Outboard, Marine & Mfg. Co. 2,725,075, Cl. 137—512.1.
- Irion, Clarence E., and K. E. Prindle, to The Dobeckmun Co. 2,714,571, Cl. 154—139.
- Irion, Jim E. 2,728,087, Cl. 4—57.
- Irish, Glenn: *See*—  
 Hirschler, Daniel A., Jr., and Irish. 2,728,648.
- Irish, Russell J.: *See*—  
 McAneny, Redmond. 2,702,212.
- Irmscher, Hans O., to National Tea Packing Co., Inc. 2,713,410, Cl. 198—21.
- Irmscher, Hans O., to National Tea Packing Co., Inc. 2,715,807, Cl. 53—26.
- Iron Fireman Mfg. Co.: *See*—  
 Judson, Albert L. 2,719,582.  
 Kingsley, Errol F. 2,714,171.  
 Todoroff, Edward J. 2,713,388.
- Ironrite, Inc.: *See*—  
 Sperlich, Herman A. 2,711,600.
- Irrgang, Ferdinand C.: *See*—  
 Kroening, Walter F., and Irrgang. 2,726,294.
- Irtenkauf, Josef: *See*—  
 Lautenbach, Friedrich, Uhink, Fickenscher, Haller, and Irtenkauf. 2,704,464.
- Irvin, Basil D. 2,706,510, Cl. 152—220.
- Irvin, Dock R. 2,718,324, Cl. 217—5.
- Irvine, Houston H.: *See*—  
 Magee, Kenneth L., and Irvine. 2,709,086.
- Irvine, Rayner D. 2,725,687, Cl. 51—59.
- Irvine, Robert L., to Gulf Oil Corp. 2,713,023, Cl. 202—40.
- Irvine, Robert L., to Belle Fons Chemical Corp. 2,721,562, Cl. 134—60.
- Irving, Francis, and A. Livingston, to Imperial Chemical Industries Ltd. 2,709,170, Cl. 260—275.
- Irving, Henry F., to Baker Perkins Inc. 2,716,290, Cl. 34—57.
- Irving Machinery Co., Inc.: *See*—  
 Rabinowitz, Irving. 2,702,930.
- Irwin, Arthur S., to the United States of America as represented by the Secretary of the Air Force. 2,724,590, Cl. 267—64.
- Irwin, Elise V.: *See*—  
 Irwin, George C. 2,711,392.  
 Irwin, George C., and Willert. 2,711,346.
- Irwin, Emmett M. 2,701,960, Cl. 73—40.5.
- Irwin, Donald W., to McDonnell Aircraft Corp. 2,701,695, Cl. 244—102.
- Irwin, George C., deceased (E. V. Irwin, administratrix), and A. W. Willert, Jr. 2,711,346, Cl. 299—24.



- Irwin, George C., deceased (E. V. Irwin, administratrix),  $\frac{1}{2}$  to A. W. Willert, Jr. 2,711,392, Cl. 252—8.55.
- Irwin, James T.: *See—*  
Dill, Russell E., and Irwin. 2,718,927.
- Irwin, Milton, and G. W. Feiker. 2,702,568, Cl. 143—158.
- Irwin, Opal C.: *See—*  
Sharp, Beulah C. 2,711,595.
- Irwin, Russel D., to Minneapolis-Honeywell Regulator Co. 2,699,095, Cl. 92—27.
- Irwin, Stanley. 2,712,853, Cl. 166—175.
- Isaac, George R., Jr. 2,727,408, Cl. 74—615.
- Isaacs, George B. 2,716,458, Cl. 169—11.
- Isaacs, George G., and E. H. Nelson, to General Electric Co. 2,714,686, Cl. 313—214.
- Isaacs, George G., and E. H. Nelson, to General Electric Co. 2,714,687, Cl. 313—214.
- Isaacs, John D., to The Regents of the University of California. 2,719,742, Cl. 287—89.
- Isaacs, John D., to The Regents of the University of California. 2,720,047, Cl. 43—7.
- Isaacson, Anson. 2,727,424, Cl. 84—477.
- Isaacson, F. T.: *See—*  
Jackson, Rodney. 2,712,857.
- Isaacson, Neil E.: *See—*  
Allen, Albert D. 2,706,922.
- Isaacson, Paul J.: *See—*  
Jackson, Rodney. 2,712,857.
- Isacco, Vittorio. 2,713,393, Cl. 170—160.11.
- Isacco, Vittorio. 2,717,043, Cl. 170—135.4.
- Isackson, Robert I.: *See—*  
Scott, Leonard E., and Isackson. 2,716,334.
- Isbell, Donald K.: *See—*  
Schjolin, Hans O., and Isbell. 2,704,233.
- Isbister, Eric J., to Sperry Rand Corp. 2,716,235, Cl. 343—11.
- Isborn, Carl L., to The National Cash Register Co. 2,721,947, Cl. 307—88.
- Isborn, Carl L., to The National Cash Register Co. 2,723,354, Cl. 307—88.
- Iselin, Ernst, to Sandoz A. G. 2,705,707, Cl. 260—145.
- Isenberg, Hans D. 2,717,917, Cl. 174—25.
- Isenberg, Hans D. 2,723,933, Cl. 154—80.
- Isham, Robert M.: *See—*  
Levine, Morris, and Isham. 2,703,154.
- Ishida, Taro: *See—*  
Matsumoto, Genzaburo, Masuda, and Ishida. 2,727,495.
- Ishler, Harry K., and J. J. Grabiec, to Philco Corp. 2,704,169, Cl. 220—2.2.
- Iske, James E., to Phillips Petroleum Co. 2,726,335, Cl. 250—41.9.
- Isler, Hans, and A. Hüni, to Ciba Pharmaceutical Products, Inc. 2,710,295, Cl. 260—256.4.
- Isler, Samuel. 2,706,003, Cl. 164—84.5.
- Isler, William. 2,726,165, Cl. 117—18.
- Isom, Warren R., to Radio Corp. of America. 2,701,690, Cl. 242—55.
- Isom, Warren R., to Radio Corp. of America. 2,712,771, Cl. 88—18.4.
- Iso-Sol Co., Inc.: *See—*  
Feinstein, Robert R., and Bechtold. 2,703,777.
- Isotope Products Ltd.: *See—*  
Procter, Charles G., and Alcock. 2,719,926.
- Israel, Grace K.: *See—*  
Kayser, Allan J. 2,727,769.
- Israel, Samuel. 2,721,400, Cl. 36—8.5.
- Isreel, Jack, and J. N. Morris,  $\frac{1}{2}$  to The S. U. Carburetter Co. Ltd., and  $\frac{1}{2}$  to Simmonds Aerocessories, Inc. 2,720,344, Cl. 222—250.
- Ivancic, Robert E.: *See—*  
White, Chester M., and Ivancic. 2,721,183.
- Ivanko, Michael F., to The Singer Mfg. Co. 2,721,526, Cl. 112—67.
- Ivanoff, John V. 2,719,628, Cl. 206—47.
- Ivanoff, Victor, and R. E. King, to Hayward Tyler and Co. Ltd. 2,702,730, Cl. 308—73.
- Ivens, William R. C.: *See—*  
Jubb, Albert, and Ivens. 2,722,800.
- Ives, Clifford E.: *See—*  
Nelson, Martin J., and Ives. 2,718,314.
- Ives, Loran G. 2,702,137, Cl. 214—147.
- Iveson, Herbert T.: *See—*  
Julian, Percy L., Iveson, and McClelland. 2,724,649.
- Ivie, Milton W. 2,701,886, Cl. 9—19.
- Ivory, Harry S. 2,700,384, Cl. 128—204.
- Iwama, Kazuo: *See—*  
Ibuka, Masaru, and Iwama. 2,715,659.
- Izchaki, Shimon. 2,710,226, Cl. 299—69.
- Izquierdo, Federico D. S. 2,722,950, Cl. 139—190.
- Jabzenski, Stephen. 2,706,139, Cl. 312—7.
- Jack & Heintz, Inc.: *See—*  
Bergson, Arnold. 2,727,117.
- Burchfield, Willard F. 2,706,261.
- Dennis, John R., and Shafraneck. 2,710,360.
- Heintz, Ralph M. 2,700,740.
- Heintz, Ralph M. 2,706,260.
- Martin, Cecil G. 2,709,892.
- Martin, Cecil G., and Shafraneck. 2,708,724.
- Nixon, William P. 2,710,359.
- Puchy, Clarence G. 2,720,570.
- Walley, Omar C. 2,720,571.
- Jack & Heintz Precision Industries, Inc.: *See—*  
Fritz, Dwain E. 2,700,124.
- Niemela, Reino J. 2,720,299.
- Jacklin, Harold M. 2,705,478, Cl. 123—51.
- Jackman, Anthony V. G.: *See—*  
Thorn, James D., and Jackman. 2,715,816.
- Jackson, Albert H. 2,703,985, Cl. 73—432.
- Jackson, Albert M., to the United States of America as represented by the Secretary of War. 2,721,275, Cl. 250—83.3.
- Jackson, Albert S., C. A. Heyne, J. R. Johnson, and J. E. McLaughlin, to Owens-Illinois Glass Co. 2,718,847, Cl. 101—40.
- Jackson, Alonzo C., to Combustion Engineering, Inc. 2,700,505, Cl. 236—9.
- Jackson, Anthony E., to Eastman Kodak Co. 2,704,712, Cl. 95—5.6.
- Jackson, Arthur H., Jr., to United Aircraft Corp. 2,702,085, Cl. 170—159.
- Jackson, Byron, Co.: *See—*  
McKibben, Paul S., Chrisman, and Smith. 2,705,614.
- Riordan, Matthew B., Jr., Boller, and Hambly. 2,701,615.
- Jackson, Charles E., to Universal Corrugated Box Machinery Corp. 2,707,568, Cl. 214—8.5.
- Jackson & Church Co.: *See—*  
Armstrong, Bruce. 2,709,957.
- Armstrong, Bruce. 2,716,926.
- Armstrong, Bruce. 2,717,195.
- Jackson, Claud L. 2,707,089, Cl. 248—42.
- Jackson, Claude D.: *See—*  
Seavey, William H., Jackson, and Mullins. 2,720,423.
- Jackson, Corwill, to Jackson Vibrators, Inc. 2,723,608, Cl. 94—48.
- Jackson, Donald, to Pye Ltd. 2,712,035, Cl. 178—6.8.
- Jackson, Donald, to Pye Ltd. 2,725,783, Cl. 88—16.
- Jackson, Donald, and J. D. F. Green, to Pye Ltd. 2,725,805, Cl. 95—64.
- Jackson, Edwin J., and A. J. Gardiner, to General Electric Co. 2,699,524, Cl. 318—448.
- Jackson, Edwin T., to Jackstite, Inc. 2,706,837, Cl. 20—11.
- Jackson, Edwin T. 2,711,564, Cl. 20—11.
- Jackson, Eugene. 2,700,526, Cl. 248—343.
- Jackson, Frank H., to the United States of America as represented by the Secretary of the Navy. 2,715,725, Cl. 343—7.
- Jackson, Geoffrey W.: *See—*  
Bewley, Thomas, Bowen, Bramwyche, and Jackson. 2,715,145.
- Jackson, George A., Sr., and O. M. Elifritz. 2,702,840, Cl. 200—83.
- Jackson, George W., to General Motors Corp. 2,717,344, Cl. 318—31.
- Jackson, Hagan L.: *See—*  
Adkins, John D., and Jackson. 2,727,224.
- Jackson, Harold L., to E. I. du Pont de Nemours and Co. 2,722,538, Cl. 260—461.
- Jackson, Harvey B.: *See—*  
Brandon, Clarence W. 2,716,958.
- Jackson, Helen G.: *See—*  
Jackson, Otto V. 2,704,082.
- Jacobel, Herbert: *See—*  
Kaye, Gordon, and Jacobel. 2,702,310.
- Jackson, James M. 2,717,775, Cl. 265—42.
- Jackson, Jessie M.: *See—*  
Seavey, William H., Jackson, and Mullins. 2,720,423.
- Jackson, John R. 2,710,779, Cl. 308—86.
- Jackson, John V., to The Bristol Aeroplane Co. Ltd. 2,709,948, Cl. 89—37.5.
- Jackson Mfg. Co.: *See—*  
Fritz, William L., and Millar. 2,710,117.
- Jackson, Mildred M.: *See—*  
Pohnan, Frank J. 2,723,919.
- Jackson, Nolan C., to Wichita Precision Tool Co., Inc. 2,720,347, Cl. 223—67.
- Jackson, Norman W.: *See—*  
Molins, Desmond W., Ruau, and Jackson. 2,703,089.
- Molins, Desmond W., Ruau, and Jackson. 2,716,412.
- Ruau, Felix F., Molins, and Jackson. 2,708,440.
- Jackson, Otto V., deceased, by H. G. Jackson, administratrix. 2,704,082, Cl. 134—95.
- Jackson, Peter F. 2,714,385, Cl. 131—140.
- Jackson, Radie S.: *See—*  
Williams, Moses M. 2,704,114.
- Jackson, Richard G.: *See—*  
Friel, Daniel D., and Jackson. 2,721,942.
- Jackson, Richard W.: *See—*  
Hellman, Nison N., Tsuchiya, Rogovin, Jackson, and Senti. 2,726,985.
- Jackson, Robert J., to Bigelow-Sanford Carpet Co., Inc. 2,713,877, Cl. 139—403.
- Jackson, Rodney, to P. J. and F. T. Isaacson. 2,712,857, Cl. 180—70.
- Jackson, Theodore F.,  $\frac{1}{2}$  to R. M. Buck,  $\frac{1}{2}$  to D. E. Carlyle, and  $\frac{1}{2}$  to C. F. Christensen. 2,719,450, Cl. 81—165.
- Jackson, Thomas S., and J. R. Swanton, Jr., to Arthur D. Little, Inc. 2,713,252, Cl. 62—6.
- Jackson, Tom: *See—*  
Olpin, Henry C., and Jackson. 2,699,373.
- Jackson Vibrators, Inc.: *See—*  
Jackson, Crowill. 2,723,608.
- Jackson, William M., II, to Godfrey L. Cabot, Inc. 2,726,963, 106—46.
- Jackstite, Inc.: *See—*  
Jackson, Edwin T. 2,706,837.
- Jacob, Gordon R.: *See—*  
Harwood, Philip, and Jacob. 2,726,691.
- Jacob, Robert M., to Parke, Davis & Co. 2,702,804, Cl. 260—307.
- Jacob, Robert M., to Parke, Davis & Co. 2,727,042, Cl. 260—307.



- Jacob, Robert M., to Parke, Davis & Co. 2,727,070, Cl. 260—562.
- Jacob, Robert M., and J. G. Robert, to Parke, Davis & Co. 2,727,063, Cl. 260—519.
- Jacob, Robert M., P. Gailliot, and J. Robert, to Parke, Davis & Co. 2,727,071, Cl. 260—562.
- Jacob, Robert M., and J. G. Robert, to Parke, Davis & Co. 2,727,072, Cl. 260—562.
- Jacobi, Charles R., O. C. Nord, and R. P. Trubey. 2,726,114, Cl. 296—97.
- Jacobi, George T., to General Electric Co. 2,728,881, Cl. 317—235.
- Jacobi, Richard J., to Raytheon Mfg. Co. 2,706,277, Cl. 333—82.
- Jacobi, Werner, to Siemens & Halske. 2,717,299, Cl. 201—63.
- Jacobs, Albert J.: *See—*  
Zandmer, Solis M., and Jacobs. 2,707,997.
- Jacobs, Banks I.: *See—*  
Anderson, Oscar B., and Jacobs. 2,722,412.
- Jacobs Bros. Co. Inc.: *See—*  
Schroeder, Charles S. 2,719,669.
- Jacobs, Charles T. 2,721,907, Cl. 179—171.
- Jacobs, Donald H., and M. May; said May assor. to said Jacobs. 2,706,247, Cl. 250—27.
- Jacobs, Donald H., H. L. Shoemaker, and M. May; said Shoemaker and said May assors. to said Jacobs. 2,719,670, Cl. 235—61.
- Jacobs, Edward R.: *See—*  
Jacobs, Phillip and E. R. 2,709,262.
- Jacobs, F. L., Co.: *See—*  
Fox, Harry D. 2,723,155.  
Lockwood, William B. 2,722,976.
- Jacobs, Fred F., to Ciba Co., Inc. 2,700,883, Cl. 68—5.
- Jacobs, Harold, and D. Dobischek, to United States of America as represented by the Secretary of the Army. 2,709,134, Cl. 95—7.
- Jacobs, Harry N.: *See—*  
Strough, Robert L., and Jacobs. 2,703,864.
- Jacoby, Henry C. E., to The General Electric Co. Ltd. 2,702,681, Cl. 248—22.
- Jacobs, Henry S., to Harnischfeger Corp. 2,725,511, Cl. 318—202.
- Jacobs, Herman A. 2,718,799, Cl. 81—3.
- Jacobs, James W., to General Motors Corp. 2,716,867, Cl. 62—4.
- Jacobs, James W., to General Motors Corp. 2,720,700, Cl. 31—22.
- Jacobs, James W., to General Motors Corp. 2,720,761, Cl. 62—117.3.
- Jacobs, James W., to General Motors Corp. 2,724,241, Cl. 62—103.
- Jacobs, James W., to General Motors Corp. 2,724,576, Cl. 257—3.
- Jacobs, John E., to General Electric Co. 2,706,790, Cl. 250—83.3.
- Jacobs, John E., to General Electric Co. 2,706,792, Cl. 250—83.3.
- Jacobs, John E., and R. Frerichs, to General Electric Co. 2,706,791, Cl. 250—83.3.
- Jacobs, Joseph H., to Jacobs Wind Electric Co., Inc. 2,723,388, Cl. 340—236.
- Jacobs, Phil, Co., Inc.: *See—*  
Jacobs, Phillip and E. R. 2,709,262.
- Jacobs, Phillip and E. R., to Phil Jacobs Co., Inc. 2,709,262, Cl. 2—221.
- Jacobs, Robert B., and E. C. Greanias, to Standard Oil Co. 2,700,111, Cl. 250—106.
- Jacobs, Robert J.: *See—*  
Bower, Fred C., and Jacobs. 2,728,532.
- Jacobs, Robert J., to The Black-Clawson Co. 2,703,681, Cl. 242—58.
- Jacobs, Robert J., to The Black-Clawson Co. 2,703,682, Cl. 242—58.
- Jacobs, Samuel S., to American Can Co. 2,700,495, Cl. 226—22.
- Jacobs, Samuel S., to American Can Co. 2,720,352, Cl. 226—71.
- Jacobs, Thomas F., to Kenosha Auto Transport Corp. 2,705,081, Cl. 214—85.
- Jacobs, Thomas F., to Kenosha Auto Transport Corp. 2,719,731, Cl. 280—402.
- Jacobs Wind Electric Co., Inc.: *See—*  
Jacobs, Joseph H. 2,723,388.
- Jacobsen, Andrew B.: *See—*  
Chance, Britton, and Jacobsen. 2,709,804.
- Jacobsen, Andrew B., to the United States of America as represented by the Secretary of the Navy. 2,706,810, Cl. 340—147.
- Jacobsen, Donald O. 2,715,745, Cl. 15—121.
- Jacobsen, Jacob. 2,700,374, Cl. 121—46.5.
- Jacobsen, Paul W., to Minnesota Mining & Mfg. Co. 2,715,861, Cl. 93—1.
- Jacobsen, Robert P., to G. D. Searle & Co. 2,704,283, Cl. 260—99.
- Jacobson, Abraham W.: *See—*  
Vine, Allyn C., Redfield, Jacobson, and Russell. 2,704,936.  
McKinlay, Donald, Jr., and Jacobson. 2,715,332.
- Jacobson, Carl H. 2,717,705, Cl. 214—147.
- Jacobson, Carl H., to International Business Machines Corp. 2,723,776, Cl. 217—60.
- Jacobson, Eugene W., B. M. Wedner, and N. H. Eckler, to Gulf Research & Development Co. 2,711,833, Cl. 214—17.
- Jacobson, Fred B.: *See—*  
Hipp, William A., and Jacobson. 2,722,452.
- Jacobson, Harvey B.: *See—*  
Brandon, Clarence W. 2,720,082.  
Brandon, Clarence W. 2,720,181.  
Brandon, Clarence W. 2,720,182.  
Brandon, Clarence W. 2,724,357.
- Jacobson, Henning W.: *See—*  
Dietrich, Melvin A., and Jacobson. 2,709,694.
- Jacobson, James H. 2,715,175, Cl. 219—21.
- Jacobson, John W., to General Electric Co. 2,706,383, Cl. 60—35.6.
- Jacobson Research Inc.: *See—*  
Jacobson, Victor. 2,726,793.
- Jacobson, Samuel: *See—*  
Haschel, Adolfo, and Jacobson. 2,713,172.
- Jacobson, Victor, to Jacobson Research Inc. 2,726,793, Cl. 222—330.
- Jacobus, Herbert R., Jr., to Sonotone Corp. 2,716,200, Cl. 313—261.
- Jacobus, Jere K. 2,716,167, Cl. 200—61.25.
- Jacoby, Arthur L.: *See—*  
Bird, Paul G., and Jacoby. 2,717,881.
- Jacoby, Arthur L., deceased (by R. P. Jacoby, executrix), and G. W. Luvisi, to National Aluminate Corp. 2,723,959, Cl. 252—321.
- Jacoby-Bender, Inc.: *See—*  
Sacccone, John V. 2,713,766.
- Jacoby, George W. 2,708,763, Cl. 15—132.5.
- Jacoby, George W., Jr. 2,711,733, Cl. 128—221.
- Jacoby, Harold E., to Chicago Bridge & Iron Co. 2,720,259, Cl. 159—27.
- Jacoby, Harry L., to Riegel Paper Corp. 2,716,315, Cl. 53—98.
- Jacoby, Ruth P.: *See—*  
Jacoby, Arthur L., and Luvisi. 2,723,959.
- Jacot, Henri A. 2,725,768, Cl. 77—73.5.
- Jacqué, Heinrich, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,709,148, Cl. 154—139.
- Jacques' Brass Specialties Co., Inc.: *See—*  
Stanton, William P., Jr., and Tinkham. 2,704,628.
- Jacques, Edward J., and A. A. Limberg, to General Motors Corp. 2,718,428, Cl. 296—44.
- Jacquet, Urban J. 2,709,056, Cl. 248—29.
- Jacquet, Urban J. 2,711,942, Cl. 312—245.
- Jaediker, George A. 2,713,487, Cl. 273—29.
- Jaeger Machine Co., The: *See—*  
Apel, John H. 2,711,257.  
Lamberton, Ralph E. 2,725,181.
- Jaeger Watch Co., Inc.: *See—*  
Schaaf, Rudolph G., Jr. 2,700,283.  
Schaaf, Rudolph F., Jr. 2,712,758.
- Jaeger, Wayne E. 2,699,104, Cl. 97—205.
- Jaenicke, Lothar: *See—*  
Dimroth, Karl J., Holle, Hamm, and Jaenicke. 2,698,844.  
Dimroth, Karl, Holle, Hamm, and Jaenicke. 2,719,844.
- Jaeschke, Ralph L.: *See—*  
Winther, Martin P., and Jaeschke. 2,704,344.
- Jaeschke, Ralph L., to Eaton Mfg. Co. 2,702,872, Cl. 310—94.
- Jaeschke, Ralph L., to Eaton Mfg. Co. 2,723,356, Cl. 310—59.
- Jaffe, Adolf S., and M. J. Morris. 2,722,064, Cl. 37—42.
- Jaffe, Bernard, to the United States of America as represented by the Secretary of the Army. 2,708,244, Cl. 310—8.
- Jaffe, Jerome S., to Hughes Aircraft Co. 2,705,753, Cl. 250—33.65.
- Jaffe, Max L. 2,724,467, Cl. 190—26.
- Jaffee, Robert I.: *See—*  
Finlay, Walter L., Gonser, and Jaffee. 2,703,278.
- Jaffee, Robert I., H. R. Ogden, and D. J. Maykuth, to Rem-Cru Titanium, Inc. Re. 24,013, Cl. 75—175.5.
- Jaffee, Robert I., and H. R. Ogden, to Rem-Cru Titanium, Inc. 2,726,954, Cl. 75—175.5.
- Jagenberg-Werke Akt.-Ges.: *See—*  
Meyer-Jagenberg, Gunther, Drese, and Welsch. 2,699,712.  
Meyer-Jagenberg, Günther. 2,719,663.
- Jagersherger, Joseph W., to Rajo Automotive Research Corp. 2,698,613, Cl. 123—119.
- Jahn, Edward J., to Shell Development Co. 2,708,182, Cl. 252—33.
- Jahncke, Albert, to Hermann Thorens S. A. 2,704,461, Cl. 74—200.
- Jahnsen, Ragnar A., to Norsk Hvdro-Elektrisk Kvaelfstafaktieselskab. 2,721,529, Cl. 114—74.
- Jahoda, Edward, to H. P. Andrews Paper Co. 2,726,956, Cl. 95—8.
- Jakeway, Gerald V., to Keeler Brass Co. 2,703,729, Cl. 292—336.3.
- Jakeway, Gerald V., to Keeler Brass Co. 2,707,648, Cl. 292—336.3.
- Jakob, Lothar, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,706,717, Cl. 252—73.
- Jakobs, Walter A. E., and F. W. Emler. 2,699,089, Cl. 88—28.
- Jakobsen, Harry S., to Airborne Accessories Corp. 2,725,049, Cl. 125—11.
- Jakobsen, Harry S., to Airborne Accessories Corp. 2,725,050, Cl. 125—11.
- Jalkanen, Turre: *See—*  
Latvala, Waino K., and Jalkanen. 2,725,141.
- Jam: *See—*  
Austin, Herbert F., Jr., Konigsberg, Morrison, and Campins. 2,716,617.
- James, Charles C. 2,712,973, Cl. 312—26.
- James, Cyril H., to United Shoe Machinery Corp. 2,724,938, Cl. 51—273.



- James, Cyril H., to United Shoe Machinery Corp. 2,728,094, Cl. 12—17.
- James, Cyril H., and J. W. Pratt, to United Shoe Machinery Corp. 2,719,989, Cl. 12—1.
- James, Cyril H., and L. V. G. Parker, to United Shoe Machinery Corp. 2,722,027, Cl. 12—147.
- James, David M. 2,721,663, Cl. 211—126.
- James, Duane A.: *See—*
- James, Lewis A. and D. A. 2,704,084.
- James, Lewis A. and D. A. 2,710,617.
- James, Esther D.: *See—*
- James, Stephen F. and E. D. 2,719,891.
- James, Flem G. 2,698,486, Cl. 33—182.
- James, Guy E.: *See—*
- Nebe, Kenneth, and James. 2,699,809.
- James, Hardy M. 2,701,001, Cl. 153—39.
- James, Hubert M., to the United States of America as represented by the Secretary of the Navy. 2,715,274, Cl. 33—49.
- James, Inc.: *See—*
- James, Lewis A. and D. A. 2,704,084.
- James, Lewis A. and D. A. 2,710,617.
- James, Ivauboe, J. Penfound, and J. A. Lodge, to Electric & Musical Industries Ltd. 2,721,228, Cl. 178—5.4.
- James, Jolly. 2,702,118, Cl. 209—82.
- James, Jolly. 2,702,209, Cl. 304—9.
- James, Leonard. 2,706,954, Cl. 109—29.
- James, Lewis A. and D. A., to James, Inc. 2,704,084, Cl. 134—183.
- James, Lewis A. and D. A., to James, Inc. 2,710,617, Cl. 134—183.
- James, Lillian L. 2,715,428, Cl. 150—1.8.
- James, Mark S., Jr. 2,699,886, Cl. 222—15.4.
- James, Richard D., to Northrop Aircraft, Inc. 2,720,619, Cl. 318—31.
- James, Robert R., to American Viscose Corp. 2,705,183, Cl. 18—54.
- James, Stephen F. and E. D. 2,719,891, Cl. 200—90.
- James, Volney L., to O. K. Rubber, Inc. 2,717,639, Cl. 164—10.2.
- James, Wade H., III. 2,726,603, Cl. 102—49.
- James, William S., to Fram Corp. 2,713,422, Cl. 210—122.5.
- James, William S., to Fram Corp. 2,720,279, Cl. 183—71.
- Jameson, Robert F. 2,726,837, Cl. 248—226.
- Jameson, Russel D., to H. T. Febr. 2,712,633, Cl. 324—17.
- Jameson, Donald F., to Stromberg-Carlson Company. 2,715,188, Cl. 307—132.
- Jamieson, James G., G. Adamec, and J. J. Hays, deceased (by M. C. Hays, administratrix). 2,706,393, Cl. 70—315.
- Jamieson, John W.: *See—*
- Dingman, Thomas C., and Jamieson. 2,723,146.
- Jamison, Merwin M., to Gaylord Container Corp. 2,718,996, Cl. 229—23.
- Jamieson, Thomas. 2,708,712, Cl. 240—6.46.
- Jamieson, William F. 2,712,392, Cl. 215—47.
- Jamison Cold Storage Door Co.: *See—*
- Evans, Winfield C. 2,722,446.
- Jamison, Donald R., to I-T-E Circuit Breaker Co. 2,714,646, Cl. 200—162.
- Jamison, Fred A. 2,699,713, Cl. 97—15.
- Jamison, Robert M.: *See—*
- Arnold, Orlan M., and Jamison. 2,715,564.
- Jammer, Jacob S., to International Standard Electric Corp. 2,710,392, Cl. 340—153.
- Jandasek, Joseph, to Chrysler Corp. 2,709,926, Cl. 74—645.
- Jandasek, Vladimir J., to Borg-Warner Corp. 2,701,951, Cl. 60—54.
- Jandasek, Vladimir J., to Ford Motor Co. 2,712,285, Cl. 103—115.
- Jandris, Joseph T., to The Glenn L. Martin Co. 2,709,556, Cl. 244—122.
- Jänecke, Ludwig. 2,707,960, Cl. 131—10.
- Janelid, Ingvar, to Hercules Powder Co. 2,725,822, Cl. 102—23.
- Janes, Leslie G.: *See—*
- Kirk, Max L., and Janes. 2,725,648.
- Janet, Dewey J., Jr. 2,704,253, Cl. 95—7.
- Janette Electric Mfg. Co.: *See—*
- Wight, William A. 2,724,289.
- Janeway, Cornell. 2,707,525, Cl. 181—56.
- Janeway, Robert N., to Chrysler Corp. 2,717,559, Cl. 105—190.
- Janik, Anton J., to The Ridge Tool Co. 2,716,947, Cl. 103—138.
- Janis, Ursula Z.: *See—*
- Elmore, Carol A. 2,705,959.
- Janiszewski, Kasimir. 2,714,422, Cl. 164—118.
- Janke, Edward J., to Addressograph-Multigraph Corp. 2,713,306, Cl. 101—248.
- Jänner, Margarete A. M.: *See—*
- Jänner, Rudolf. 2,700,126.
- Jänner, Rudolf, deceased, by M. A. M. Jänner, née Schmidt, administratrix, to Siemens-Schuckertwerke Aktiengesellschaft. 2,700,126, Cl. 317—238.
- Janney, Raymond B., II, to All American Engineering Company. 2,715,000, Cl. 244—108.
- Janonis, George. 2,715,538, Cl. 292—50.
- Janos, Alfred G., and E. H. Roberts, to General Electric Co. 2,724,244, Cl. 62—108.5.
- Janossy, Alexander. 2,723,454, Cl. 31—20.
- Janowitz, Arnold. 2,722,979, Cl. 160—87.
- Jans, John T.: *See—*
- Holcroft, Walter H., and Jans. 2,708,107.
- Jansen, Bernhard. 2,723,318, Cl. 200—6.
- Janssen, Carl O. 2,705,023, Cl. 139—76.
- Janssen, Jacob E., to The B. F. Goodrich Co. 2,709,706, Cl. 260—455.
- Jansen, Pieter C., to Hartford National Bank and Trust Co., trustee. 2,706,930, Cl. 88—28.93.
- Jansen, Robert A., to Avco Mfg. Corp. 2,718,765, Cl. 62—103.
- Janson, Marvin H.: *See—*
- Bernhart, Finn W., Eckhardt, Janson, and Tinkler. 2,714,068.
- Janssen, Gerardus H., and P. C. van der Linden, to Hartford National Bank and Trust Co., trustee. 2,727,830, Cl. 117—54.
- Janssen, Helmuth, and F. Rings, to G. Kromschroder Aktiengesellschaft. 2,725,747, Cl. 73—268.
- Janssen, Hermann, to Perforating Guns Atlas Corp. 2,722,657, Cl. 324—1.
- Janssen, Peter J. H., to Hartford National Bank and Trust Co., as trustee. 2,710,363, Cl. 315—27.
- Jansson, Gustav E., to Allis-Chalmers Mfg. Co. 2,708,699, Cl. 200—146.
- Jansson, Oscar A. 2,702,308, Cl. 136—34.
- Jantschke, Leopold, to Dr. ing. h. c. F. Porsche K.-G. 2,702,533, Cl. 123—41.65.
- Jantzen Inc.: *See—*
- Scholfeld, Bette J. 2,700,160.
- January, Lester A. 2,702,488, Cl. 81—1.
- Jaquay, Louis H., to American Cyanamid Co. 2,702,818, Cl. 260—481.
- Jaques, Elmo B., to Descaling Equipment Co., Inc. 2,701,407, Cl. 29—81.
- Jaray, Francis F.: *See—*
- Clause, Jean, Parisot, Roos, Hilliard, and Jaray. 2,721,730.
- Jarboe, Charles H., to E. I. du Pont de Nemours and Co. 2,700,028, Cl. 260—45.8.
- Jarboe, John P. 2,701,916, Cl. 32—33.
- Jardine, Frank, to Aluminum Company of America. 2,715,052, Cl. 309—12.
- Jarman-Williamson Co.: *See—*
- Williamson, Norman B. 2,711,027.
- Jarmotz, Paul: *See—*
- Berger, France B., Jarmotz, and Haworth. 2,720,646.
- Jarnagin, R. A.: *See—*
- Duncan, Forrest R. 2,722,964.
- Jarno, John O., to Michigan Tool Co. 2,698,477, Cl. 29—103.
- Jarolux A. G.: *See—*
- Weber, Henri. 2,706,988.
- Jaron, Julian. 2,718,304, Cl. 206—80.
- Jaros, Joseph F., ½ to H. N. Seversen. 2,709,401, Cl. 95—18.
- Jaros, Stanley E.: *See—*
- Leary, Robert F., Jaros, and Gleason. 2,712,562.
- Jaros, Stanley E., A. H. Gleason, and R. F. Leary, to Esso Research and Engineering Co. 2,728,801, Cl. 260—666.
- Jarosi, Joseph J.: *See—*
- Brown, Wilbur F., Mook, Jarosi, and Davis. 2,714,558.
- Jarrard, Clarence. 2,714,794, Cl. 56—112.
- Jarrett, Donald R.: *See—*
- Urey, George M., Porch, Jarrett, and Crawford. 2,714,141.
- Jarvi, Reino A., to Monsanto Chemical Co. 2,705,680, Cl. 106—146.
- Jarvis, Cecil W.: *See—*
- Trotter, Hobart O. and M. L., and Jarvis. 2,707,577.
- Jarvis, Paul L.: *See—*
- Cook, Kenneth L., Jarvis, and Davis. 2,700,483.
- Jaschinsky, Erich: *See—*
- Mayer, Hans, Jaschinsky, Neuerburg, and Lerp. 2,699,928.
- Jasco Aluminum Products Corp.: *See—*
- Skodnek, Arthur. 2,716,037.
- Wick, George F., Sr. 2,701,040.
- Jasik, Henry. 2,724,778, Cl. 250—36.
- Jasik, Henry, to A. Alford. 2,700,112, Cl. 250—33.
- Jaskowski, Michael C.: *See—*
- Frederick, Edward R., and Jaskowski. 2,714,767.
- Jasper, Lennus E. 2,714,826, Cl. 74—780.
- Jaspers, Johannes C. A. A.: *See—*
- Alink, Roelof J. H., Jaspers, and van Rijssel. 2,704,262.
- Jaspersen, George H. 2,711,301, Cl. 248—354.
- Jasse, Joseph R., to Societe Nouvelle des Etablissements Brandt. 2,714,836, Cl. 89—27.
- Jast, George P., J. M. Fitzpatrick, and E. W. Gannon, said Fitzpatrick and said Gannon assors. to T. J. Unik: said Jast assor. to T. J. Unik, as trustee. 2,703,934, Cl. 33—174.
- Jauch, Gustav L. 2,720,985, Cl. 211—42.
- Jauch, Robert J. 2,708,421, Cl. 119—71.
- Jauernik, Rudolf: *See—*
- Eisenlohr, Karl-Heinz, Jauernik, and Kohrt. 2,701,753.
- Jaquet, Juan. 2,714,266, Cl. 40—126.
- Javid, Farhang, to The Black-Clawson Co. 2,728,273, Cl. 92—51.
- Jav. James B., A. J. White, and J. A. Hunt, to The Chloride Electrical Storage Co. Ltd. 2,717,003, Cl. 137—625.34.
- Jay, Kenneth W., to A. V. Roe Canada Ltd. 2,700,394, Cl. 137—118.
- Jaye Corp.: *See—*
- Jaye, Richard C. 2,717,848.
- Jaye, Richard C. 2,727,128.
- Jaye, Richard C., to The Jaye Corp. 2,717,848, Cl. 154—44.
- Jaye, Richard C., to The Jaye Corp. 2,727,128, Cl. 219—19.
- Jaysane, Edward R., ½ to R. Calvert. 2,723,122, Cl. 273—30.



- Jeanson, Marcel, to Regie Autonome Des Transports Parisiens. 2,726,739, Cl. 188—181.
- Jecmen, James M., to Harris Preble Fire Doors, Inc. 2,726,460, Cl. 35—62.
- Jedlicka, James J.: *See—*  
Jedlicka, Vladimir, and J. J. 2,705,351.
- Jedlicka, Vladimir and J. J. 2,705,351, Cl. 20—57.5.
- Jedrzejewski, Chester M., to United Aircraft Corp. 2,704,583, Cl. 170—160.32.
- Jedrzykowski, Edmund, to International Harvester Co. 2,718,271, Cl. 180—54.
- Jee, Albert R., and S. Harwood, to Geo. S. Harwood & Son. 2,702,177, Cl. 249—4.
- Jefferies, Sampson F., to Allied Laboratories, Inc. 2,713,019, Cl. 167—58.
- Jeffers, Walter M., to Crouse-Hinds Co. 2,719,958, Cl. 340—37.
- Jefferson Chemical Co., Inc.: *See—*  
Goerner, Joseph K. 2,715,605.
- Jefferson, Glen V., to Westinghouse Air Brake Co. 2,701,856, Cl. 318—258.
- Jefferson Medical College of Philadelphia, The: *See—*  
Gibbon, John H., Jr., Malmros, and Barber. 2,702,035.  
Malmros, Gustav V. A. 2,700,320.  
Malmros, Gustav V. A., Engstrom, and Rex. 2,705,493.
- Jeffery, David B., to Amity Leather Products Co. 2,720,904, Cl. 150—35.
- Jeffery, Harold: *See—*  
Edge, Stanley H., and Jeffery. 2,725,073.
- Jeffrey Mfg. Co., The: *See—*  
Couch, Karl W. 2,704,159.  
Kindig, Arnie J. 2,702,868.  
Moon, Sterling C. 2,699,966.  
Moon, Sterling C. 2,718,381.  
Muller, Ernst F. 2,718,380.  
Newton, William H. 2,698,685.  
Pearson, David, and Yarmak. 2,725,039.
- Jeffreys, George A. 2,700,611, Cl. 99—2.
- Jeffreys, Roy A., to Eastman Kodak Co. 2,719,152, Cl. 260—240.4.
- Jehlicka, Josef. 2,699,822, Cl. 159—4.
- Jehn, Werner F. 2,712,423, Cl. 244—150.
- Jelinek, Charles, Jr., to The Western Union Telegraph Co. 2,718,548, Cl. 178—7.1.
- Jelinek, Ulrich, to The M. W. Kellogg Co. 2,717,024, Cl. 154—33.1.
- Jelinek, Ulrich, to The M. W. Kellogg Co. 2,717,025, Cl. 154—33.1.
- Jelks, James W.: *See—*  
Gisler, Henry J., and Jelks. 2,723,032.
- Jenard, Leonard J., and O. Fregeolle, to Harcourt Knitting Co. 2,721,464, Cl. 66—184.
- Jencks, W. L.: *See—*  
Larkin, Artemas M. 2,709,744.
- Jendrisak, Joseph E., to Libbey-Owens-Ford Glass Co. 2,702,445, Cl. 49—67.
- Jendrzynski, Hillard J., and T. F. Stapleton, to General Motors Corp. 2,721,814, Cl. 117—130.
- Jenkins, Alexander, and L. H. Peter, to Westinghouse Brake and Signal Co. Ltd. 2,721,966, Cl. 317—238.
- Jenkins, Cecil: *See—*  
Woolslayer, Homer J., Jenkins, and Iddings. 2,701,039.  
Woolslayer, Homer J., Jenkins, and Iddings. 2,711,804.  
Woolslayer, Homer J., Jenkins, Iddings, and Campbell. 2,706,539.  
Woolslayer, Homer J., Jenkins, and Turner. 2,708,565.  
Woolslayer, Homer J., Jenkins, Turner, and Campbell. 2,706,540.
- Jenkins, Cecil, and E. A. Campbell, to Lee C. Moore Corp. 2,709,087, Cl. 280—425.
- Jenkins, Desmond L.: *See—*  
Holroyd, Eric, and Jenkins. 2,723,330.
- Jenkins, Felton S. 2,715,720, Cl. 340—228.
- Jenkins, George F., to Minneapolis-Honeywell Regulator Co. 2,719,672, Cl. 236—46.
- Jenkins, H. Ray: *See—*  
Holum, Edwin B. 2,720,121.
- Jenkins, Henry G.: *See—*  
Cates, Julius, and Jenkins. 2,722,628.
- Jenkins, Henry G., to General Electric Co. 2,714,683, Cl. 313—109.
- Jenkins, Homer H. 2,727,745, Cl. 273—131.
- Jenkins, Howard M., Jr., to Van Auken, Inc. 2,699,360, Cl. 301—37.
- Jenkins, Howard M., Jr., to Van Auken, Inc. 2,699,361, Cl. 301—37.
- Jenkins, Keith A.: *See—*  
Csvercsko, Nicholas, and Jenkins. 2,699,705.
- Jenkins, Leslie A. W.: *See—*  
Bush, John T., and Jenkins. 2,720,898.
- Jenkins, Ralph M. 2,727,309, Cl. 33—52.
- Jenkins, Tobie W. 2,706,901, Cl. 70—227.
- Jenkins, Walter H., to Dewey Bros. Inc. 2,707,743, Cl. 219—17.
- Jenkins, Will F. 2,727,427, Cl. 88—16.
- Jenkins, Will F. 2,727,429, Cl. 88—16.
- Jenkinson, Lillian L. 2,720,860, Cl. 119—26.
- Jenks, Frederic A., and N. R. Wild, to Raytheon Mfg. Co. 2,713,636, Cl. 250—31.
- Jenks, Harry N. 2,713,028, Cl. 210—7.
- Jenner, Edward L., to E. I. du Pont de Nemours and Co. 2,700,051, Cl. 260—465.8.
- Jenner, Egbert C. 2,706,028, Cl. 194—2.
- Jenner, William C., R. S. Wick, and C. R. Newpher, to The Reliance Electric and Engineering Co. 2,713,715, Cl. 29—155.57.
- Jenney, John A. 2,721,555, Cl. 128—305.
- Jenney, Theodore M.: *See—*  
Nicolaissen, Bernard H., and Jenney. 2,708,209.
- Jennings, Charles W. 2,701,994, Cl. 97—47.83.
- Jennings, Emerson P. 2,712,642, Cl. 340—213.
- Jennings, Ernest E. 2,719,054, Cl. 296—23.
- Jennings, Frank C., to Emhart Mfg. Co. 2,706,847, Cl. 29—33.
- Jennings, Frederic B., to General Electric Co. 2,714,310, Cl. 73—194.
- Jennings, Gerald M. 2,716,641, Cl. 155—140.
- Jennings, John H., to Servel, Inc. 2,711,087, Cl. 62—129.
- Jennings, Louis A., and B. R. Stricklan, to Esso Research and Engineering Co. 2,721,831, Cl. 196—29.
- Jennings, Louis E.: *See—*  
Good, Charles R., and Jennings. 2,703,143.
- Jennings, Lyell: *See—*  
Snelson, Howard J. 2,703,966.
- Jennings, Marvin D., to International Harvester Co. 2,724,313, Cl. 97—31.
- Jennings, Paul A., to Armco Steel Corp. 2,698,785, Cl. 75—126.
- Jenny, Albert C.,  $\frac{1}{2}$  to C. G. Raible and  $\frac{1}{2}$  to W. W. Lytle. 2,710,606, Cl. 123—179.
- Jenny, Albert C.,  $\frac{1}{2}$  to W. W. Lytle,  $\frac{1}{2}$  to A. C. Jenny, and  $\frac{1}{2}$  to C. G. Raible. 2,711,724, Cl. 123—179.
- Jenny, Dietrich A., to Radio Corp. of America. Re. 23,964, Cl. 313—77.
- Jenny, Frank J., to Texaco Development Corp. 2,698,830, Cl. 196—67.
- Jenny, Raymond K.: *See—*  
Guentner, Robert L., and Jenny. 2,727,156.
- Jenny, Robert W., to Bostitch, Inc. 2,714,208, Cl. 1—44.4.
- Jenny, Walter, and W. Kern, to Ciba Ltd. 2,709,168, Cl. 260—247.1.
- Jenny, Walter, and W. Kern, to Ciba Ltd. 2,720,533, Cl. 260—381.
- Jensen, Aage. 2,712,678, Cl. 20—4.
- Jensen, Arthur S.: *See—*  
Gray, George W., and Jensen. 2,725,500.
- Jensen, Emil B. 2,703,446, Cl. 29—79.
- Jensen, Erik, to Novo Terapeutisk Laboratorium A/S. 2,704,073, Cl. 128—218.
- Jensen, Evans A., and R. J. Davies, to United Air Lines, Inc. 2,722,824, Cl. 73—9.
- Jensen, Frank V., to Jensen Specialties, Inc. 2,702,114, Cl. 198—177.
- Jensen, Gunnar, and R. Holm; said Jensen assor. to H. Laurent-Christensen. 2,708,424, Cl. 123—25.
- Jensen, Hans E. T. 2,726,012, Cl. 220—93.
- Jensen, Harry T., to United Aircraft Corp. 2,699,833, Cl. 170—135.22.
- Jensen, Helmar O., to General Time Corp. 2,704,345, Cl. 318—220.
- Jensen, Herman G., to J. P. Seeburg Corp. 2,716,550, Cl. 274—10.
- Jensen, Homer. 2,719,470, Cl. 95—12.5.
- Jensen, James A., to Philadelphia Valve Co. 2,700,559, Cl. 285—173.
- Jensen, Kaj B. 2,711,107, Cl. 77—75.
- Jensen, Lee. 2,710,008, Cl. 128—403.
- Jensen, Merrill W., to Kiekhaefer Corp. 2,725,212, Cl. 251—122.
- Jensen, Otto, and W. T. Walton, to Seidlitz Paint and Varnish Co. 2,722,485, Cl. 106—241.
- Jensen, Raymond W.: *See—*  
Crawford, James V., and Jensen. Re. 24,061.  
Morris, Charles W., and Jensen. 2,723,615.
- Jensen, Raymond W., to The Garrett Corp. 2,698,568, Cl. 98—1.5.
- Jensen, Sanning C. 2,712,417, Cl. 241—197.
- Jensen, Sanning C. 2,714,995, Cl. 241—195.
- Jensen Specialties, Inc.: *See—*  
Jensen, Frank V. 2,702,114.
- Jenson, Kenneth S., and F. W. Suhr, to Preway Inc. 2,699,820, Cl. 158—91.
- Jenswold, Henry C. 2,702,062, Cl. 150—52.
- Jentges, Thomas W.: *See—*  
Harrington, Frank A., and Jentges. 2,718,636.
- Jeppson, George N., to Norton Co. 2,724,222, Cl. 51—206.4.
- Jepsen, Hans G., and R. A. Wood, to McGraw Electric Co. 2,702,842, Cl. 200—127.
- Jepson, Ivar, to Sunbeam Corp. 2,702,938, Cl. 30—43.
- Jepson, Ivar, to Sunbeam Corp. 2,703,381, Cl. 318—325.
- Jepson, Ivar, to Sunbeam Corporation. 2,714,763, Cl. 30—221.
- Jepson, Ivar, to Sunbeam Corp. 2,722,454, Cl. 299—50.
- Jepson, Ivar, to Sunbeam Corp. 2,723,452, Cl. 30—43.
- Jepson, Simon E. 2,723,483, Cl. 43—42.22.
- Jerabek, Paul E.: *See—*  
Stringham, Leonidas K., and Jerabek. 2,719,801.
- Jergens Tool Specialty Co.: *See—*  
Schron, Christy. 2,707,419.
- Jernakoff, George: *See—*  
Usher, Thomas B., and Jernakoff. 2,699,505.
- Jernander, Alvin A., to K-P Mfg. Co. 2,703,191, Cl. 222—255.
- Jerner, Oscar E., Sr. 2,705,134, Cl. 259—160.
- Jernstedt, George W., and M. Ceresa, to Westinghouse Electric Corp. 2,700,019, Cl. 204—52.
- Jernstrom, Karl W., to Seaboard Maritime Corp. Re. 23,959, Cl. 114—201.



- Jernstrom, Karl W., to Seaboard Maritime Corp. 2,726,623, Cl. 114—201.
- Jervis Corp.: *See*—  
Mark, Vennice E., and Anderson. Re. 23,920.
- Jeschke, Arnold L., and L. E. Conroy, to Solar Electric Corp. 2,727,377, Cl. 67—31.
- Jeschke, Herbert. 2,714,370, Cl. 121—15.
- Jespersen, Holger J.: *See*—  
Vaile, Robert B., Jr., Jespersen, and Edgemond. 2,724,487.
- Jespersen, Paul W., to American Linen Supply Co. 2,726,465, Cl. 38—2.
- Jespersen, Paul W., to American Linen Supply Co. 2,726,823, Cl. 242—55.2.
- Jesse, Hermann: *See*—  
Ruhr, Heinrich R., Eichhorn, and Jesse. 2,726,412.
- Jessen, George R.: *See*—  
Chanlund, Carl W., and Jessen. 2,722,044.
- Jessen, John D., to Blaw-Knox Co. 2,708,782, Cl. 25—131.
- Jessiman, Margaret: *See*—  
Mahlitz, Otto J. 2,700,420.
- Jessop, William, & Sons Ltd.: *See*—  
Harris, Geoffrey T., and Child. 2,713,537.  
Harris, Geoffrey T., and Child. 2,713,538.
- Jester, Robert L., and F. C. Wernentin. 2,703,967, Cl. 62—114.
- Jet-Heet, Inc.: *See*—  
MacCracken, Calvin D. 2,705,530.
- Jet Helicopter Corp.: *See*—  
Storza del Pesaro, Kazimir M. 2,710,067.
- Jetter, Albert S. 2,711,149, Cl. 114—112.
- Jewell, Bernard W., to The O. A. Sutton Corp., Inc. 2,711,080, Cl. 62—6.
- Jewell, Bernard W., to The O. A. Sutton Corp., Inc. 2,717,139, Cl. 248—208.
- Jewell, Denzil W. 2,706,658, Cl. 294—97.
- Jewell, Joseph W., and W. B. Johnson, to The M. W. Kellogg Co. 2,717,867, Cl. 202—14.
- Jewell, Raymond L., to American Sterilizer Co. 2,713,702, Cl. 21—98.
- Jewell, Raymond L., to American Sterilizer Co. 2,713,953, Cl. 215—74.
- Jewell, Vernon E., and R. K. McConnell. 2,706,570, Cl. 214—653.
- Jewell, Wendell D., to American Bosch Arma Corp. 2,713,270, Cl. 74—5.4.
- Jewell, William R., to General Electric Co. 2,700,139, Cl. 339—4.
- Jewell, William R., to General Electric Co. 2,711,943, Cl. 312—330.
- Jewett, Clifford L., and J. M. Case, to Minnesota Mining & Mfg. Co. 2,714,066, Cl. 95—8.
- Jewett, Harold A. Re. 23,956, Cl. 84—424.
- Jewett, Lawrence E., to Leeds and Northrup Company. 2,714,894, Cl. 137—14.
- Jeynes, William E.: *See*—  
Cassman, Harry, Jeynes, and Webley. 2,708,788.
- Jiffy Products: *See*—  
Nika, Louis and C. M. 2,712,653.
- Jifi Industries, Inc.: *See*—  
Salzmann, Harry E. 2,710,475.
- Jimenez, Rudolph, to Sylvania Electric Products Inc. 2,709,294, Cl. 29—25.13.
- Jimerson, Francis A., to Ingersoll-Rand Co. 2,718,803, Cl. 81—52.3.
- Jindra, Edward: *See*—  
Rockstrom, Leonard, Ward, and Jindra. 2,720,910.
- Jinks, Thelma. 2,722,249, Cl. 144—134.
- Joa, Curt G. 2,721,554, Cl. 128—290.
- Joaquin, Nathan E. 2,702,122, Cl. 209—209.
- Jobbins, Howell S., and W. J. Schwarz, to The Patent and Licensing Corp. 2,716,619, Cl. 117—72.
- Jobbins, Howell S., and A. W. Teller, to The Patent and Licensing Corp. 2,724,659, Cl. 117—72.
- Jobe, Frederick W., to Bausch & Lomb Optical Co. 2,715,352, Cl. 88—20.
- Jockers, Kurt, and K. Wintersberger to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,719,778, Cl. 23—190.
- Joerndt, Wilbur A., and J. J. Kane, to the United States of America as represented by the United States Atomic Energy Commission. 2,713,093, Cl. 200—17.
- Joesting, Edwin O., and D. O. Ethier, to Minnesota Mining & Mfg. Co. 2,708,192, Cl. 117—122.
- Johann Vaillan to Kommanditgesellschaft: *See*—  
Dönges, Hans, and Schuppert. 2,699,347.
- Johannessen, Erwin. 2,710,515, Cl. 56—27.
- Johannsen, Adolf W., Danz, K. Fees, and W. Kammerer, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,699,375, Cl. 23—177.
- Johannsen, Friedrich. 2,709,650, Cl. 75—36.
- Johannsen, Friedrich. 2,721,794, Cl. 75—36.
- Johannsen, Udo K., to The Brewer-Titchener Corp. 2,720,016, Cl. 24—243.
- Johansen, Gordon W., and W. E. Copley. 2,711,807, Cl. 192—51.
- Johansen, Johannes P., ½ to S. L. Johansen. Re. 24,056, Cl. 119—19.
- Johansen, Rolf J., to Aktiebolaget Kamy. 2,706,390, Cl. 68—27.
- Johansen, Rolf J., to Aktiebolaget Kamy. 2,711,359, Cl. 8—156.
- Johansen, Selmar L.: *See*—  
Johansen, Johannes P. Re. 24,056.
- Johansen, Vaun L.: *See*—  
Nisbet, John L., and Johansen. 2,722,082.
- Johanson, Erik, and B. Bergvall, to A B Svenska Flaktfabriken. 2,725,150, Cl. 214—16.4.
- Johansson, Ernest G., to Anchor Mfg. Co. 2,709,793, Cl. 339—256.
- Johansson, Ernest G., to Anchor Mfg. Co. 2,709,794, Cl. 339—258.
- Johansson, Gustav W. 2,704,469, Cl. 76—71.
- John, Alec J.: *See*—  
Hawtin, Philip R., and John. 2,721,850.
- John, Robert S., to Pfanstiehl Chemical Corp. 2,700,089, Cl. 201—63.
- Johnisee, Emert. 2,705,475, Cl. 119—103.
- Johns, Charles K.: *See*—  
Hill, Charles, and Johns. 2,716,875.
- Johns, Jesse G., 80% to G. B. Wright. 2,707,486, Cl. 137—625.41.
- Johns, Laurence E. 2,705,028, Cl. 143—8.
- Johns-Manville Corp.: *See*—  
Binkley, Mark E. 2,699,097.  
Graybeal, Bruce A. 2,700,176.  
Hahn, William P. 2,699,397.  
Lombardy, Frank. 2,724,671.  
Miles, William S. 2,704,864.  
Novotny, Edison H., and Hedges. 2,711,381.  
Page, Anthony J., and Haig. 2,708,643.  
Siering, Robert L. 2,704,865.  
Siering, Robert L. 2,706,314.
- Johnsen, Robert O., and W. B. Hills, to General Electric Co. 2,711,506, Cl. 323—18.
- Johnson, Aaron. 2,719,364, Cl. 33—189.
- Johnson, Agnar, to Atwood Vacuum Machine Co. 2,707,302, Cl. 16—146.
- Johnson, Agnar, to Atwood Vacuum Machine Co. 2,709,275, Cl. 16—141.
- Johnson, Agnar, to Atwood Vacuum Machine Co. 2,722,035, Cl. 16—146.
- Johnson, Alfred C. 2,710,069, Cl. 180—19.
- Johnson, Allan H. 2,698,479, Cl. 30—10.
- Johnson, Alvin O.: *See*—  
Le Febvre, Alfred L., Small, and Johnson. 2,714,737.
- Johnson, Alvin O., to Stanley Home Products, Inc. 2,714,736, Cl. 15—119.
- Johnson, Alvin E.: *See*—  
Hedenskog, Ernest, Norberg, and Johnson. 2,723,123.
- Johnson, Andrew G., to The Weatherhead Co. 2,725,845, Cl. 116—118.
- Johnson, Arnold E. W., and M. J. Mitchell, to International Harvester Co. 2,700,233, Cl. 37—144.
- Johnson, Arnold E. 2,713,693, Cl. 15—97.
- Johnson, Arnold N., to Commercial Solvents Corp. 2,716,627, Cl. 167—30.
- Johnson, Arnold N., to Commercial Solvents Corp. 2,719,810, Cl. 167—32.
- Johnson, Arnold N., to Hooker Electrochemical Co. 2,724,730, Cl. 260—648.
- Johnson, Arnold R.: *See*—  
Stumvoll, Anton, and Johnson. 2,709,866.
- Johnson, Arthur B., Jr., N. H. Koertge, and E. L. Rucks, to Furnas Electric Co. 2,713,104, Cl. 200—168.
- Johnson, Arthur H. 2,703,863, Cl. 324—30.
- Johnson, Arthur H., and R. Baxendale, to Electric & Musical Industries Ltd. 2,724,277, Cl. 74—199.
- Johnson, Arthur M., Jr. 2,711,200, Cl. 146—3.
- Johnson, Arthur R., to General Electric Co. 2,699,294, Cl. 241—36.
- Johnson, Ava J., to Shell Development Co. 2,727,930, Cl. 260—668.
- Johnson, Axel E. F., C. W. Ensminger, and H. W. Clarke, to Mealpack Corp. 2,709,534, Cl. 220—4.
- Johnson, Benjamin B., to Telephone Mfg. Co. Ltd. 2,704,786, Cl. 179—18.
- Johnson, Benjamin B., to Telephone Mfg. Co. Ltd. 2,721,233, Cl. 179—18.
- Johnson, Benjamin B., and W. G. Foster, to Telephone Mfg. Co. Ltd. 2,704,785, Cl. 179—18.
- Johnson Bronze Co.: *See*—  
Mohler, James B. 2,712,166.  
Mohler, James B. 2,715,259.
- Johnson Byron A., M. F. Murray, and R. A. Donia, to The Upjohn Co. 2,719,857, Cl. 260—397.2.
- Johnson, C. S., Co., The: *See*—  
Vincent, Archie J. 2,727,734.
- Johnson, Carl E.: *See*—  
Seelig, Herman S., Johnson, and Deters. 2,726,989.  
Wolff, William F., and Johnson. 2,720,547.
- Johnson, Carl E., to National Aluminate Corp. 2,723,956, Cl. 210—23.
- Johnson, Carl E., and W. F. Wolff, to Standard Oil Co. 2,727,920, Cl. 260—513.
- Johnson, Carl W., and A. E. Rosander. 2,706,660, Cl. 299—95.
- Johnson, Charles A., to Electric & Musical Industries Ltd. 2,709,200, Cl. 178—7.2.
- Johnson, Charles A. 2,715,801, Cl. 51—122.
- Johnson, Charles A. E., to Lynch Corp. 2,701,448, Cl. 60—97.
- Johnson, Charles B., to Rockwell Mfg. Co. 2,699,916, Cl. 251—188.
- Johnson, Charles B., to Woodall Industries, Inc. 2,716,804, Cl. 29—453.
- Johnson, Charles E. 2,718,917, Cl. 155—141.
- Johnson, Clarence. 2,704,956, Cl. 82—14.



- Johnson, Clarence, to The Hartford Special Machinery Co. 2,715,389, Cl. 121—45.
- Johnson, Clarence A., and S. C. Schuman, to Hydrocarbon Research, Inc. 2,707,698, Cl. 196—28.
- Johnson, Clarence A., and S. C. Schuman, to Hydrocarbon Research, Inc. 2,707,699, Cl. 196—28.
- Johnson, Clarence V. 2,703,945, Cl. 43—42.06.
- Johnson, Clarence V. 2,713,688, Cl. 4—112.
- Johnson, Clark F., to M. L. & B. Jalousie Co. 2,708,295, Cl. 20—62.
- Johnson, Clyde V. 2,700,940, Cl. 107—8.
- Johnson, Clyde V. 2,700,941, Cl. 107—8.
- Johnson Corp., The: *See*—
- Hieronimus, John W. 2,700,558.
- Johnson, Crockett. 2,721,339, Cl. 5—357.
- Johnson, Darrell M., and G. M. Walton, to The Laudar Co. 2,706,348, Cl. 35—24.
- Johnson, Darrell M., and G. M. Walton, to The Laudar Co. 2,706,349, Cl. 35—24.
- Johnson, David A., to Bristol Laboratories Inc. 2,717,893, Cl. 260—210.
- Johnson, Dean K. 2,701,943, Cl. 56—25.4.
- Johnson, Donald M. 2,699,128, Cl. 108—1.
- Johnson, Douglas: *See*—
- Glasser, Sidney P., and Johnson. 2,718,439.
- Johnson, E. F., Co.: *See*—
- Johnson, Edgar F. 2,704,357.
- Johnson, Earl S., to Better-Bilt Mfg. Co. 2,718,296, Cl. 198—204.
- Johnson, Edgar F., to E. F. Johnson Co. 2,704,357, Cl. 339—217.
- Johnson, Edmund C., F. J. Burst, and H. M. Weese, to Hill-Rom Co., Inc. 2,708,963, Cl. 155—158.
- Johnson, Edward B. 2,706,097, Cl. 244—138.
- Johnson, Edward H., to The Keelavite Co. Ltd. 2,728,299, Cl. 103—120.
- Johnson, Edward O.: *See*—
- Bain, George W., Jr., and Johnson. 2,704,821.
- Johnson, Edwin. 2,720,131, Cl. 82—35.
- Johnson, Edwin R. 2,705,099, Cl. 226—18.
- Johnson, Edwin W.: *See*—
- Williams, Clifton S., and Johnson. 2,727,972.
- Johnson, Elbert L., to General Motors Corp. 2,724,812, Cl. 339—188.
- Johnson, Ellis A. 2,702,003, Cl. 102—18.
- Johnson, Elmer W. 2,716,552, Cl. 275—3.
- Johnson, Elsie M.: *See*—
- Cepon, Rudolph J., and Johnson. 2,716,207.
- Johnson, Emil J. 2,702,931, Cl. 25—118.
- Johnson, Erick,  $\frac{1}{2}$  to M. C. Weir. 2,714,154, Cl. 240—108.
- Johnson, Erick,  $\frac{1}{2}$  to M. C. Weir. 2,714,155, Cl. 240—108.
- Johnson, Ernest H., to The Bullard Co. 2,704,391, Cl. 29—38.
- Johnson, Ernest O., and R. F. Kolar, to Radio Corp. of America. 2,714,659, Cl. 250—33.65.
- Johnson, Ervin K. 2,701,492, Cl. 81—78.
- Johnson, Eugene A. 2,706,806, Cl. 340—52.
- Johnson, Evan A., Jr., to Hydrocarbon Research, Inc. 2,715,323, Cl. 62—123.
- Johnson Fare Box Co.: *See*—
- Downey, Clement L. 2,724,224.
- Rogier, Clarence F. 2,719,622.
- Johnson, Floyd E. 2,702,446, Cl. 51—184.1.
- Johnson, Francis M., to the United States of America as represented by the Secretary of the Air Force. 2,703,417, Cl. 9—8.3.
- Johnson, Francis M., to the United States of America as represented by the Secretary of the Air Force. 2,707,600, Cl. 244—2.
- Johnson, Francis M., to the United States of America as represented by the Secretary of the Air Force. 2,712,060, Cl. 240—61.13.
- Johnson, Francis M. 2,717,130, Cl. 244—2.
- Johnson, Francis M., to the United States of America as represented by the Secretary of the United States Air Force. 2,722,696, Cl. 9—14.
- Johnson, Francis M. 2,727,254, Cl. 9—4.
- Johnson, Francis M., and D. R. Carlisle, to Rolls-Royce Ltd. 2,700,416, Cl. 158—76.
- Johnson, Francis M., and E. Milner, to Rolls-Royce Ltd. 2,708,339, Cl. 60—35.6.
- Johnson, Frank W., to Unitek Corp. 2,713,720, Cl. 32—14.
- Johnson, Frank W. 2,721,543, Cl. 123—90.
- Johnson, Franklin C.: *See*—
- Goldbeck, Martin Jr., and Johnson. 2,703,331.
- Johnson, Fred. 2,704,004, Cl. 81—165.
- Johnson, Fred H., and F. L. Demorest; said Demorest assor. to said Johnson. 2,720,273, Cl. 180—33.
- Johnson, Fred L. 2,713,014, Cl. 154—106.
- Johnson, Frederick, and S. Morrison, to Collins Radio Co. 2,704,310, Cl. 200—12.
- Johnson, Frithiof V., to General Electric Co. 2,718,788, Cl. 74—5.5.
- Johnson Gage Development Co., The: *See*—
- Johnson, Paul W. 2,698,485.
- Johnson, Stanley G. 2,700,224.
- Johnson, Stanley G. 2,706,859.
- Johnson, Stanley G. 2,725,637.
- Johnson, George E. 2,726,451, Cl. 33—23.
- Johnson, George F.: *See*—
- Anderson, John, Johnson, and Smith. 2,714,121.
- Johnson, George F., to Shell Development Co. 2,714,123, Cl. 260—633.
- Johnson, George H. 2,700,243, Cl. 43—56.
- Johnson, George M.: *See*—
- Weigham, William R., Smith, and Johnson. 2,717,742.
- Johnson, George W.,  $\frac{1}{4}$  to K. M. Hylton,  $\frac{1}{4}$  to M. C. Arnold, and  $\frac{1}{4}$  to C. A. Meyer. 2,699,889, Cl. 222—390.
- Johnson, Gerald A., to American Cyanamid Co. 2,713,018, Cl. 167—22.
- Johnson, Gordon B., to California Research Corp. 2,719,785, Cl. 71—2.6.
- Johnson, Gordon, Co.: *See*—
- Zebarth, Ralph S. 2,710,985.
- Zebarth, Ralph S. 2,715,492.
- Zebarth, Ralph S. 2,718,027.
- Johnson, Grover D. 2,700,358, Cl. 115—18.
- Johnson, Gustaf O., to Johnson Machine & Press Corp. 2,717,676, Cl. 192—24.
- Johnson, Gustaf O., to Johnson Machine & Press Corp. 2,717,679, Cl. 192—67.
- Johnson, Haldur J.: *See*—
- Rushfeldt, Ferdie M. 2,698,506.
- Johnson, Harold C. 2,707,634, Cl. 273—1.
- Johnson, Harry J. 2,723,579, Cl. 81—33.
- Johnson, Harry L. 2,723,597, Cl. 90—11.4.
- Johnson, Harwick, to the United States of America as represented by the Secretary of the Army. 2,716,192, Cl. 250—36.
- Johnson, Henry. 2,701,494, Cl. 81—125.
- Johnson, Henry L.: *See*—
- Sherwood, Glenn L. 2,717,626.
- Johnson, Henry L. 2,712,696, Cl. 33—170.
- Johnson, Henry L.,  $\frac{1}{3}$  to G. L. Sherwood and  $\frac{1}{3}$  to F. J. Thar. 2,717,625, Cl. 153—32.
- Johnson, Herbert C.: *See*—
- Christian, Raymond A., Johnson, and Titus. 2,723,019.
- Johnson, Herbert C. 2,705,452, Cl. 100—98.
- Johnson, Herbert C., Sr. 2,725,240, Cl. 280—38.
- Johnson, Herbert C., D. L. Wicks, and P. L. Nerdahl, to Foley Mfg. Co. 2,727,753, Cl. 280—47.37.
- Johnson, Herbert L., to Sun Oil Co. 2,717,265, Cl. 260—504.
- Johnson, Hjalmer O. 2,722,079, Cl. 43—42.14.
- Johnson, Horace J. 2,721,444, Cl. 60—35.6.
- Johnson, Howard L. 2,721,726, Cl. 255—300.
- Johnson, Hugh B., A. S. McGaughan, and P. Weidlinger. 2,722,901, Cl. 108—1.
- Johnson, James P. 2,703,675, Cl. 230—176.
- Johnson, Joe W., to the United States of America as represented by the Secretary of the Navy. 2,700,306, Cl. 73—300.
- Johnson, Joel R.: *See*—
- Bartelheim, Leland A., and Johnson. 2,706,331.
- Johnson, John. 2,713,769, Cl. 60—39.08.
- Johnson, John. 2,713,770, Cl. 60—39.61.
- Johnson, John. 2,713,771, Cl. 60—39.61.
- Johnson, John A.: *See*—
- Smith, Harold J., Johnson, and Hawk. 2,724,164.
- Johnson, John A., to Thermal Research and Engineering Corp. 2,701,608, Cl. 158—1.
- Johnson, John C. 2,707,854, Cl. 51—102.
- Johnson, John E., to The Nylok Corp. 2,725,915, Cl. 151—7.
- Johnson, John M., and M. T. Magee, Jr., to United States Steel Corp. 2,704,612, Cl. 214—89.
- Johnson, John R.: *See*—
- Jackson, Albert S., Heyne, Johnson, and McLaughlin. 2,718,847.
- Johnson & Johnson: *See*—
- Ashton, William H. 2,700,636.
- Brickman, Leo, Harmon, and Litchfield. 2,711,168.
- Deker, Marta, and Plantinga. 2,712,312.
- Heffernan, William R., Rigassio, and Pronio. 2,725,102.
- Metzler, Charles L., Wark, and Bowen. 2,704,640.
- Mulligan, Robert J. 2,699,275.
- Nydegger, Roland R., and Beck. 2,715,024.
- Plantinga, Oliver S., and Deker. 2,705,009.
- Schwartz, Morris A., and Beck. 2,698,694.
- Schwartz, Morris A., and Nothnagle. 2,718,142.
- Willits, George W. Re. 24,037.
- Johnson, Joseph A., to The City of Jacksonville. 2,706,900, Cl. 70—178.
- Johnson, Juliet F. 2,702,220, Cl. 309—33.
- Johnson, Karl G., and A. Treffner, to Telefonaktiebolaget L M Ericsson. 2,713,681, Cl. 340—362.
- Johnson, Kenneth D.: *See*—
- Chaney, Albert L., and Johnson. 2,707,152.
- Johnson, Kenneth W. 2,703,233, Cl. 267—1.
- Johnson, Kenneth W., to Johnson-Williams, Inc. 2,720,108, Cl. 73—27.
- Johnson, Lauren L., to General Motors Corp. 2,713,659, Cl. 320—40.
- Johnson, Lealand H., and W. W. Tull. 2,707,503, Cl. 146—12.
- Johnson, Leon, and A. E. Weston. 2,701,465, Cl. 72—136.
- Johnson, Leon A.: *See*—
- Kinzbach, Robert B., and Johnson. 2,715,414.
- Johnson, Leonard. 2,716,531, Cl. 248—51.
- Johnson, Leonard E., Jr., to Kennatrack Corp. 2,723,148, Cl. 292—302.
- Johnson, Leslie W. 2,707,986, Cl. 155—9.
- Johnson, Lloyd E.: *See*—
- Denison, Henry W., and Johnson. 2,719,680.
- Rosen, Carl G. A., and Johnson. 2,706,971.
- Johnson, Lloyd E., to Caterpillar Tractor Co. 2,716,396, Cl. 123—41.31.
- Johnson, Louis W. 2,701,107, Cl. 241—140.
- Johnson, Lynn C. 2,704,162, Cl. 214—84.



- Johnson Machine & Press Corp.: *See*—  
Johnson, Gustaf O. 2,717,676.  
Johnson, Gustaf O. 2,717,679.
- Johnson, Malcolm S., to Illinois Railway Equipment Co. Re. 24,032, Cl. 105—369.
- Johnson, Malcolm S., to Illinois Railway Equipment Co. Re. 24,033, Cl. 105—369.
- Johnson, Malcolm S., to Illinois Railway Equipment Co. 2,716,382, Cl. 105—369.
- Johnson, Malcolm S., to Illinois Railway Equipment Co. 2,716,383, Cl. 105—369.
- Johnson, Malcolm S., to Illinois Railway Equipment Co. 2,716,384, Cl. 105—369.
- Johnson, Milton M. 2,704,694, Cl. 308—40.
- Johnson, Olaf H. 2,722,191, Cl. 114—208.
- Johnson, Oliver F. 2,719,213, Cl. 219—46.
- Johnson, Paul J. 2,700,790, Cl. 16—130.
- Johnson, Paul V.: *See*—  
Taylor, Robert B., and Johnson. 2,715,777.
- Johnson, Paul W., to The Johnson Gage Development Co. 2,698,485, Cl. 33—172.
- Johnson, Percy L.: *See*—  
Dosne, Rene E., and Johnson. 2,715,871.
- Johnson, Peter D.: *See*—  
Piper, William W., and Johnson. 2,721,950.
- Johnson, Philip M., to Raytheon Mfg. Co. 2,712,071, Cl. 250—36.
- Johnson and Phillips Ltd.: *See*—  
Hollingsworth, Philip M. 2,710,273.  
Stevens, Charles J. H. 2,716,672.
- Johnson Products, Inc.: *See*—  
Humphreys, John W. 2,700,965.
- Johnson, Ralph A., and R. E. Baldwin, to Pittsburgh Plate Glass Co. 2,719,386, Cl. 49—82.
- Johnson, Ralph E., to The Singer Mfg. Co. 2,698,589, Cl. 112—226.
- Johnson, Ralph E., and A. F. Kerr, to The Singer Mfg. Co. 2,713,838, Cl. 112—158.
- Johnson, Ralph E., and M. S. Park, to The Singer Mfg. Co. 2,718,202, Cl. 112—210.
- Johnson, Ramond J., to General Electric Co. 2,699,681, Cl. 74—541.
- Johnson, Reynold B., to International Business Machines Corp. 2,699,111, Cl. 101—93.
- Johnson, Reynold B., to International Business Machines Corp. 2,724,026, Cl. 200—46.
- Johnson, Richard L.: *See*—  
Luhn, Hans P., and Johnson. 2,717,733.
- Johnson, Richard N., to Tubing Appliance Co., Inc. 2,715,347, Cl. 81—121.
- Johnson, Robert D.: *See*—  
Durst, Paul H., and Johnson. 2,719,545.
- Johnson, Robert F.: *See*—  
Hessler, Herbert E., Rice, and Johnson. 2,720,231.
- Johnson, Robert S.: *See*—  
Fodor, Nicholas, and Johnson. 2,699,766.
- Johnson, Robert W., to Personal Products Corp. 2,705,498, Cl. 128—290.
- Johnson, Robert W., I. S. Ness, and R. V. Lins, to Chicopee Mfg. Corp. 2,705,497, Cl. 128—290.
- Johnson, Robert W., and E. R. Kebbon, to Weston Electrical Instrument Corp. 2,713,625, Cl. 201—63.
- Johnson, Roger H.: *See*—  
Viall, Richmond, Jr., Peterson, and Johnson. 2,716,845.
- Johnson, Roland, to Drummondville Cotton Co. Ltd. 2,711,116, Cl. 87—53.
- Johnson, Roland S., to Zenith Radio Corp. 2,719,922, Cl. 250—33,67.
- Johnson, Rom T., and E. F. Hansen, to C & C Super Corp. 2,701,771, Cl. 99—205.
- Johnson, Roy W., W. A. Biermann, and S. E. Burghdoff, to A P Controls Corp. 2,703,606, Cl. 158—28.
- Johnson, S. C., & Son, Inc.: *See*—  
Burkert, Carl A. 2,700,423.  
Cunning, Thomas G. 2,703,760.  
Petro, John S. 2,701,638.
- Wilder, Edward A., and McMullen. 2,703,807.
- Johnson, Samuel W., and L. T. Anderson. 2,700,841, Cl. 43—17.
- Johnson, Scott R., to Continental Can Co., Inc. 2,711,147, Cl. 113—120.
- Johnson, Scott R., to Continental Can Co., Inc. 2,727,482, Cl. 113—97.
- Johnson, Scott R., to Continental Can Co., Inc. 2,727,740, Cl. 271—12.
- Johnson Service Co.: *See*—  
Alyea, Harold W., and Scharpf. 2,727,691.  
Otto, Carl A. 2,720,218.  
Otto, Carl A. 2,720,378.
- Johnson, Stanley A., to Polytechnic Research & Development Co., Inc. 2,710,325, Cl. 201—63.
- Johnson, Stanley G., to The Johnson Gage Development Co. 2,700,224, Cl. 33—199.
- Johnson, Stanley G., to The Johnson Gage Development Co. 2,706,859, Cl. 33—178.
- Johnson, Stanley G., to The Johnson Gage Development Co. 2,725,637, Cl. 33—174.
- Johnson, Stephen I., R. J. L. Dutterer, and A. J. Hein, to Hastings Mfg. Co. 2,712,685, Cl. 29—25,12.
- Johnson, Stephens and Shinkle Shoe Co.: *See*—  
Walsh, John J. 2,722,755.
- Johnson, Theodore C. 2,720,902, Cl. 150—1,8.
- Johnson, Virgil A., to Sinclair Refining Co. 2,721,170, Cl. 202—39,5.
- Johnson, Wallace B., to Hercules Powder Co. 2,722,528, Cl. 260—223.
- Johnson, Wallace J. S., and R. E. Fisher, to Up-Right, Inc. 2,724,620, Cl. 304—29.
- Johnson, Wallace M., to General Electric Co. 2,702,375, Cl. 336—210.
- Johnson, Wallace M., to General Electric Co. 2,714,700, Cl. 321—57.
- Johnson, Walter A., and N. I. Sebell, to Onondaga Pottery Co. 2,715,956, Cl. 198—25.
- Johnson, Walter J., to J. H. Williams & Co. 2,706,424, Cl. 81—63.
- Johnson, Walter J., to J. H. Williams & Co. 2,719,449, Cl. 81—165.
- Johnson, Willard J.,  $\frac{1}{3}$  to L. Dannenberg, and  $\frac{1}{3}$  to A. Dannenberg. 2,709,834, Cl. 18—12.
- Johnson, William B.: *See*—  
Jewell, Joseph W., and Johnson. 2,717,867.
- Johnson, William C., Jr., R. S. Ross, and R. L. Wolcott, to Goodyear Aircraft Corp. 2,710,157, Cl. 244—127.
- Johnson, William E., and D. E. Boxall, to Powers-Samas Accounting Machines Ltd. 2,716,453, Cl. 164—112.
- Johnson, William E., and M. C. P. Hewitt, to Powers-Samas Accounting Machines Ltd. 2,728,289, Cl. 101—93.
- Johnson, William G.: *See*—  
Payson, Peter, and Johnson. 2,715,576.
- Johnson, William G., and R. J. Castleton, to Industrial Research Laboratories. 2,717,668, Cl. 189—86.
- Johnson, William S., and D. K. Banerjee. 2,726,267, Cl. 260—590.
- Johnson-Williams, Inc.: *See*—  
Johnson, Kenneth W. 2,720,108.
- Johnston, Albert D. 2,702,044, Cl. 137—102.
- Johnston, Carr E.: *See*—  
Sugarman, Nathan, and Tooke. 2,708,418.
- Johnston, Charles L. 2,720,027, Cl. 32—34.
- Johnston, Charles W. 2,719,726, Cl. 280—43.
- Johnston, Danal W., to Hartzell Industries, Inc. 2,716,975, Cl. 126—110.
- Johnston, E. C., Jr.: *See*—  
Johnston, James L. 2,702,474.
- Johnston, Earl W., to United States Steel Corp. 2,699,017, Cl. 51—46.
- Johnston, Earl W., to United States Steel Corp. 2,706,340, Cl. 33—181.
- Johnston, Gordon C.: *See*—  
Johnston, James L. 2,702,474.
- Johnston, Gorman J., to Allis-Chalmers Mfg. Co. 2,724,735, Cl. 174—35.
- Johnston, Greenhow, to Temple Safety On Sea Mfg. Co. Inc. 2,702,386, Cl. 2—81.
- Johnston, Gunnard Z. 2,718,569, Cl. 200—88.
- Johnston, Harold S., to The Pfaudler Co. 2,714,349, Cl. 100—73.
- Johnston, Howard, to The Dow Chemical Co. 2,722,558, Cl. 260—653.
- Johnston, J. Glenn: *See*—  
Johnston, James L. 2,702,474.
- Johnston, James C. 2,721,159, Cl. 154—116.
- Johnston, James L.,  $\frac{1}{4}$  to M. Johnston,  $\frac{1}{2}$  to E. C. Johnston, Jr.,  $\frac{1}{2}$  to G. C. Johnston,  $\frac{1}{2}$  to J. G. Johnston,  $\frac{1}{4}$  to M. O. Johnston,  $\frac{1}{8}$  to M. O. Johnston, Jr., and  $\frac{1}{8}$  to W. C. Johnston. 2,702,474, Cl. 73—152.
- Johnston, James R. 2,716,413, Cl. 131—182.
- Johnston, John M. 2,714,919, Cl. 153—73.
- Johnston Lawn Mower Corp.: *See*—  
Boyce, Eugene L. 2,716,559.
- Johnston, Loyal L., to Herman Pneumatic Machine Co. 2,701,900, Cl. 22—24.
- Johnston, Loyal L., and H. C. Orr, to Herman Pneumatic Machine Co. 2,705,352, Cl. 22—64.
- Johnston, Madge: *See*—  
Johnston, James L. 2,702,474.
- Johnston, Mary A. 2,716,950, Cl. 107—47.
- Johnston, Mordica O.: *See*—  
Deters, Bruce A., and Johnston. 2,703,696.  
Johnston, James L. 2,702,474.
- Johnston, Mordica O., to Johnston Testers, Inc. 2,717,646, Cl. 166—224.
- Johnston, Mordica O., and F. E. O'Neill, to Johnston Testers, Inc. 2,710,066, Cl. 166—226.
- Johnston Plastic Pump Corp.: *See*—  
Johnston, Virgil S., and Sim. 2,704,232.
- Johnston Testers, Inc.: *See*—  
Bagnell, Edgar W. Re. 24,098.  
Bagnell, Edgar W. 2,710,171.  
Bagnell, Edgar W. 2,713,911.  
Deters, Bruce A., and Johnston. 2,703,696.  
Huber, Clyde L. 2,719,588.  
Johnston, Mordica O. 2,717,646.  
Johnston, Mordica O., and O'Neill. 2,710,066.  
O'Neill, Frank E. 2,708,132.
- Johnston, Virgil S., and A. A. Sim, to Johnston Plastic Pump Corp. 2,704,232, Cl. 308—22.
- Johnstone, Alexander P., to Power Jets (Research and Development) Ltd. 2,705,869, Cl. 60—39,72.
- Johnstone, Beatrice A.: *See*—  
Johnstone, Leon F., and B. A. 2,727,777.
- Johnstone, Charles W., to the United States of America as represented by the Secretary of the Navy. 2,717,961, Cl. 250—36.
- Johnstone, Leon F., and B. A. 2,727,777, Cl. 294—26.
- Jolie, Robert A., to Parker Mfg. Co. 2,703,121, Cl. 145—34.
- Jollivet, André. 2,715,798, Cl. 51—73.



- Jolly, Samuel E., to Sun Oil Co. 2,708,660, Cl. 252—42.7.  
 Jolly, Samuel E., to Sun Oil Co. 2,720,539, Cl. 260—514.  
 Jonach, Fredrick L.: *See*—  
   Haworth, Joseph P., Jonach, Hickok, and Matuszak. 2,701,754.  
   Kirshenbaum, Isidor, Jonach, and Etherington. 2,702,826.  
 Jonas, Herbert. 2,712,713, Cl. 47—1.3.  
 Jonas, Julius: *See*—  
   Lee, William M., and Jonas. 2,699,906.  
 Jonas, Julius, to Northrop Aircraft, Inc. 2,711,842, Cl. 220—88.  
 Jonas, Samuel S. 2,717,029, Cl. 155—179.  
 Jonas, Walter M., to Reiner Electronics Co., Inc. 2,716,226, Cl. 339—268.  
 Jones, A. A., & Shipman Ltd.: *See*—  
   Houldsworth, Joseph. 2,706,467.  
 Jones, Alonzo G., Jr. 2,716,455, Cl. 166—81.  
 Jones, Arthur L., to The Standard Oil Co. 2,720,976, Cl. 210—52.5.  
 Jones, Arthur L., to The Standard Oil Co. 2,720,977, Cl. 210—52.5.  
 Jones, Arthur L., to The Standard Oil Co. 2,720,979, Cl. 210—52.5.  
 Jones, Arthur L., to The Standard Oil Co. 2,723,034, Cl. 210—52.5.  
 Jones, Arthur L., and E. C. Milberger, to The Standard Oil Co. 2,712,386, Cl. 210—52.5.  
 Jones, Arthur L., C. W. Seelbach, and D. Frazier, to The Standard Oil Co. 2,720,975, Cl. 210—52.5.  
 Jones, Arthur L., R. A. Gardner, and C. W. Seelbach, to The Standard Oil Co. 2,720,978, Cl. 210—52.5.  
 Jones, Arthur L., and P. S. Fay, to The Standard Oil Co. 2,723,033, Cl. 210—52.5.  
 Jones, Barton. 2,718,896, Cl. 137—85.  
 Jones, Benjamin G.: *See*—  
   Cunningham, Marion D., Jones, and Wulzen. 2,728,642.  
 Jones, Burr W., to Bausch & Lomb Optical Co. 2,723,502, Cl. 51—101.  
 Jones, Cable B. 2,718,138, Cl. 72—48.  
 Jones, Carl D. 2,703,011, Cl. 73—343.  
 Jones, Charles E., to Charles E. Jones and Associates, Inc. 2,710,152, Cl. 242—55.5.  
 Jones, Charles E., to Translon Co. 2,717,799, Cl. 294—25.  
 Jones, Charles E., and Associates, Inc.: *See*—  
   Jones, Charles E. 2,710,152.  
 Jones, Charles H., to Westinghouse Electric Corp. 2,724,013, Cl. 178—5.4.  
 Jones, Charles H., and G. S. Ley, to Westinghouse Electric Corp. 2,717,329, Cl. 315—24.  
 Jones, Cecil H., to Kato Engineering Co. 2,704,856, Cl. 15—312.  
 Jones, Chester G. 2,715,544, Cl. 296—49.2.  
 Jones, Clarence M., and T. M. Ross, to Socony Mobil Oil Co., Inc. 2,718,319, Cl. 214—301.  
 Jones, Cleveland. 2,727,476, Cl. 111—91.  
 Jones, Corwin S., to Webster Mfg., Inc. 2,724,493, Cl. 198—230.  
 Jones, Cyril C., to Kelvin & Hughes Ltd. 2,726,547, Cl. 73—397.  
 Jones, David D., and C. T. Banks, to International Cellucotton Products Co. 2,698,692, Cl. 214—6.  
 Jones, Donald T., to The Atlantic Refining Co. 2,726,215, Cl. 252—389.  
 Jones, Durward B., to The Superior Oil Co. 2,709,021, Cl. 220—24.5.  
 Jones, Dwight E., and E. H. Cumpston, Jr., to E. D. Jones & Sons Co. 2,727,440, Cl. 92—26.  
 Jones, E. D., and Sons Co.: *See*—  
   Cumpston, Edward H., Jr. 2,718,821.  
   Cumpston, Edward H., Jr. 2,722,163.  
   Jones, Dwight E., and Cumpston. 2,727,440.  
 Jones, Earl P., to Gate City Sash and Door Co. 2,699,579, Cl. 20—53.  
 Jones, Edgar L. 2,710,013, Cl. 135—19.5.  
 Jones, Edwin K., and J. Gant, to Universal Oil Products Co. 2,720,447, Cl. 23—285.  
 Jones, Edwin P., H. J. Dutton, and J. C. Cowan, to the United States of America as represented by the Secretary of Agriculture. 2,718,468, Cl. 99—123.  
 Jones, Elwyn D., ½ to Du Pont Co. of Canada, Ltd., and ½ to Canadian Industries (1954) Ltd. 2,707,198, Cl. 136—4.  
 Jones, Emlyn, to Hartford National Bank and Trust Co., trustee. 2,714,177, Cl. 315—20.  
 Jones, Eric E., and W. L. Vervest, to Hartford National Bank and Trust Co., trustee. 2,707,041, Cl. 192—142.  
 Jones, Ernest C. 2,712,391, Cl. 214—674.  
 Jones, Ernest R.: *See*—  
   Majkrzak, Charles P., and Jones. 2,711,055.  
 Jones, Evan, to Henry Valve Co., Inc. 2,710,021, Cl. 137—514.5.  
 Jones, Eynon, to L. G. Traylor. 2,701,549, Cl. 119—52.  
 Jones, Frank A., to Enterprise Wheel and Car Corp. 2,709,527, Cl. 213—9.  
 Jones, Frank W., and E. J. Rueb. 2,700,152, Cl. 340—224.  
 Jones, Frederick A., to Dunlop Rubber Co. Ltd. 2,718,536, Cl. 260—793.  
 Jones, Gaither M., Sr. 2,706,402, Cl. 73—88.  
 Jones, Garland S. 2,711,259, Cl. 214—506.  
 Jones, George M. 2,706,863, Cl. 37—12.  
 Jones, Glen H. 2,726,050, Cl. 242—77.  
 Jones, Gordon H., to Giddings & Lewis Machine Tool Co. 2,709,928, Cl. 74—769.  
 Jones, Harold G., to Pilkington Brothers Ltd. 2,719,390, Cl. 51—209.  
 Jones, Harold S., and G. C. Evans, to the United States of America as represented by the Secretary of the Army. 2,706,316, Cl. 20—92.7.  
 Jones, Harry C., Jr.: *See*—  
   Alexander, Frederick M., and Jones. 2,718,400.  
 Jones, Harry E., to Force-Flo, Inc. 2,726,802, Cl. 226—125.  
 Jones, Harry W.: *See*—  
   Dempster, George R., and Jones. 2,702,645.  
   Dempster, George R., and Jones. 2,725,584.  
 Jones, Harry W., to Dempster Brothers, Inc. 2,702,142, Cl. 220—34.  
 Jones, Herbert O. 2,700,141, Cl. 339—96.  
 Jones, Herbert T. 2,719,452, Cl. 85—10.  
 Jones, Herbert T. 2,724,558, Cl. 238—304.  
 Jones-Hinton, James: *See*—  
   Gray, Thomas E. H., and Jones-Hinton. 2,719,324.  
 Jones, Horry M. 2,701,560, Cl. 128—2.07.  
 Jones, Hugh J., to Brumat Corp. 2,718,843, Cl. 99—289.  
 Jones, Ila W., and J. E. Ray. 2,726,595, Cl. 98—121.  
 Jones, Ivo L. 2,723,657, Cl. 125—23.  
 Jones, J. D. 2,723,535, Cl. 62—75.  
 Jones, James B., to Aeroprojects Inc. 2,704,034, Cl. 103—1.  
 Jones, James D., to Ontario Research Foundation. 2,720,462, Cl. 106—58.  
 Jones, Jasper W. 2,720,268, Cl. 166—170.  
 Jones, Jean E.: *See*—  
   Carroll, Burt H., and Jones. 2,701,198.  
   Carroll, Burt H., and Jones. 2,704,714.  
   Carroll, Burt H., and Jones. 2,704,715.  
 Jones, Jean E., to Eastman Kodak Co. 2,704,717, Cl. 95—7.  
 Jones, Jean E., to Eastman Kodak Co. 2,704,718, Cl. 95—7.  
 Jones, Jean E., to Eastman Kodak Co. 2,704,719, Cl. 95—7.  
 Jones, Jean E., to Eastman Kodak Co. 2,704,720, Cl. 95—7.  
 Jones, Jean E., to Eastman Kodak Co. 2,708,161, Cl. 95—7.  
 Jones, Jean P., to Phillips Petroleum Co. 2,708,664, Cl. 260—83.7.  
 Jones, Jennings H.: *See*—  
   Fenske, Merrell R., and Jones. 2,725,344.  
 Jones, John C.: *See*—  
   Hocks, Robert W., and Jones. 2,702,604.  
 Jones, John J. 2,727,207, Cl. 324—47.  
 Jones, John L. 2,720,881, Cl. 128—261.  
 Jones, John P., to Avco Mfg. Corp. 2,712,229, Cl. 68—21.  
 Jones, John P., Jr., to the United States of America as represented by the Secretary of the Army. 2,722,660, Cl. 332—11.  
 Jones, L. E.: *See*—  
   Osman, Ralph T. 2,707,357.  
 Jones & Lamson Machine Co.: *See*—  
   Flanders, Ernest V., and Drury. 2,706,872.  
   Holmes, Morris P. 2,707,892.  
 Jones & Laughlin Steel Corp.: *See*—  
   Brunner, Ray C. 2,710,589.  
   Brunner, Ray C. 2,728,533.  
   Djuvik, Carl. 2,714,457.  
   Hunt, Leonard R. 2,709,403.  
   O'Keefe, John T., and Hammerstrom. 2,711,809.  
   Roe, Lawrence A. 2,711,248.  
   Shakely, Howard H. 2,708,078.  
 Jones, Leo D., to The Sharples Corp. 2,717,119, Cl. 233—21.  
 Jones, Leonard, to R. E. Warwick. 2,718,022, Cl. 15—128.  
 Jones, Lewis J., and E. Wainer, to Thompson Products, Inc. 2,698,786, Cl. 75—176.  
 Jones, Lloyd. 2,706,272, Cl. 323—75.  
 Jones, Lloyd M.: *See*—  
   Holdam, James V., Jr., and Jones. 2,700,732.  
 Jones, Maurice F., I. Harter, Jr., and T. W. Ratcliffe, to The Babcock & Wilcox Co. 2,711,436, Cl. 13—26.  
 Jones, Merriam A.: *See*—  
   Davies, Edgar D., and Jones. 2,704,255.  
 Jones, Minor C. K., to Esso Research and Engineering Co. 2,703,307, Cl. 196—41.  
 Jones, Ned. 2,702,441, Cl. 41—10.  
 Jones, Norvel H. 2,715,386, Cl. 119—51.5.  
 Jones, Otha C., and P. G. Arvan, to Monsanto Chemical Co. 2,717,198, Cl. 23—106.  
 Jones, Paul. 2,719,683, Cl. 244—62.  
 Jones, Paul L., to General Motors Corp. 2,698,783, Cl. 51—293.  
 Jones, Reginald A. B., and C. Fairhurst, to Rolls-Royce Ltd. 2,715,302, Cl. 51—143.  
 Jones, Reuben G.: *See*—  
   Ainsworth, Cameron, and Jones. 2,719,849.  
 Jones, Reuben G., to Eli Lilly and Co. 2,704,760, Cl. 260—295.  
 Jones, Reuben G., to Eli Lilly and Co. 2,724,714, Cl. 260—295.5.  
 Jones, Reuben G., and C. Ainsworth, to Eli Lilly and Co. 2,710,296, Cl. 260—308.  
 Jones, Robert E.: *See*—  
   Cape, Arthur T., and Jones. 2,727,834.  
 Jones, Robert E., to The Sanford Investment Co. 2,728,471, Cl. 214—58.  
 Jones, Robert H.: *See*—  
   Hill, Max W., and Jones. 2,712,528.  
 Jones, Robert H., G. E. Lukes, and J. T. Bashour, to Stauffer Chemical Co. 2,701,253, Cl. 260—327.  
 Jones, Robert M., A. A. Segal, and J. L. Hoellerich, to Admiral Corp. 2,710,916, Cl. 250—33.51.  
 Jones, Robert W. 2,712,637, Cl. 332—28.  
 Jones, Roy E., Sr., to Cab-O-Mat, Inc. 2,725,787, Cl. 88—28.  
 Jones, Royce J., and R. E. Wright, to the United States of America as represented by the United States Atomic Energy Commission. 2,716,197, Cl. 313—63.



- Jones, Royce S. 2,727,352, Cl. 56—473.5.  
 Jones, Rufus V., to Phillips Petroleum Co. 2,714,605, Cl. 260—458.  
 Jones, Russell J. 2,713,202, Cl. 32—19.  
 Jones, Sam A.: *See—*  
   Sylvander, Nels E., and Jones. 2,716,042.  
 Jones, Spencer S. D., to National Research Development Corp. 2,720,588, Cl. 250—33.63.  
 Jones, Stewart H.: *See—*  
   Wick, Richard M., Jones, and McClemens. 2,716,079.  
 Jones & Vining, Inc.: *See—*  
   Vining, Howard C. 2,707,291.  
 Jones, W. Bartlett, to Wood Conversion Co. 2,715,755, Cl. 19—156.  
 Jones, Walter I., to United-Carr Fastener Corp. 2,724,884, Cl. 24—213.  
 Jones, Wilford D., to Celanese Corp. of America. 2,728,739, Cl. 260—32.4.  
 Jones, William C., to The Dow Chemical Co. 2,708,541, Cl. 226—56.  
 Jones, William C., to Westinghouse Electric Corp. 2,727,454, Cl. 98—38.  
 Jones, William D., and R. Dickinson, to Schori Metallising Process Ltd. 2,726,118, Cl. 299—28.6.  
 Jones, William E., to International Minerals & Chemical Corp. 2,723,291, Cl. 260—529.  
 Jones, Winfield W. 2,728,162, Cl. 43—44.85.  
 Jordan, Abigail: *See—*  
   Jordan, James F. 2,728,123.  
 Jordan, Afton L. 2,700,927, Cl. 98—2.  
 Jordan, Albert E. 2,707,520, Cl. 166—162.  
 Jordan, Curtis S., to General Package Corp. 2,700,922, Cl. 93—37.  
 Jordan, Donald G.: *See—*  
   Callahan, Henry P., and Jordan. 2,698,968.  
 Jordan, Edgar J., to American Machine & Foundry Co. 2,711,813, Cl. 198—30.  
 Jordan Engineering, Inc.: *See—*  
   Perelstrus, William. 2,711,518.  
 Jordan, James, Estate of: *See—*  
   Jordan, James F. 2,728,123.  
 Jordan, James F. 2,705,673, Cl. 75—12.  
 Jordan, James F. 2,711,953, Cl. 75—84.  
 Jordan, James F.,  $\frac{1}{2}$  to the estate of J. Jordan, deceased, and  $\frac{1}{2}$  to A. Jordan. 2,728,123, Cl. 22—79.  
 Jordan, James J.: *See—*  
   Dietz, Ewald, Jr., and Jordan. 2,702,329.  
 Jordan, Kurt R. 2,710,215, Cl. 292—283.  
 Jordan, Leo M., to Studebaker-Packard Corp. 2,708,362, Cl. 73—89.  
 Jordan, Lloyd J.: *See—*  
   Asbeck, Hans J., and Jordan. 2,726,632.  
 Jordan, Otis D., to Ohio Ferro-Alloys Corp. 2,721,948, Cl. 314—73.  
 Jordan, Robert D.: *See—*  
   Sebring, John C., Jordan, and Bitler. 2,723,319.  
 Jordan, Robert L. 2,699,499, Cl. 250—27.  
 Jordan, Samuel L. 2,714,007, Cl. 272—57.  
 Jorgensen, Anders O.: *See—*  
   Ericsson, Eric A., Jorgensen, and Overby. 2,725,474.  
 Jorgensen, Bernhardt, to United Shoe Machinery Corp. 2,706,823, Cl. 12—10.1.  
 Jorgensen, Clarence H.: *See—*  
   Jorgensen, Peter J. and C. H. 2,705,484.  
 Jorgensen, Clarence H., W. T. Nickel, H. H. Dietrich, and T. H. Boughton, to General Motors Corp. 2,698,654, Cl. 158—36.4.  
 Jorgensen, Clarence H., and L. C. Dermond, to General Motors Corp. 2,704,318, Cl. 219—32.  
 Jorgensen, Clarence H., and C. H. Jorgensen, Jr. 2,707,921, Cl. 103—153.  
 Jorgensen, Clarence H., W. T. Nickel, and H. H. Dietrich, to General Motors Corp. 2,710,522, Cl. 60—13.  
 Jorgensen, Clarence H., Jr.: *See—*  
   Jorgensen, Clarence H., and C. H. Jorgensen, Jr. 2,707,921.  
 Jorgensen, Julius, to Brandt Automatic Cashier Co. 2,709,880, Cl. 53—31.  
 Jorgensen, Oscar H. 2,727,397, Cl. 74—199.  
 Jorgensen, Paul S., and T. J. Newman, to American Bosch Arma Corp. 2,718,789, Cl. 74—5.6.  
 Jorgensen, Peter J., deceased (by C. H. Jorgensen, administrator), and C. H. Jorgensen, to General Motors Corp. 2,705,484, Cl. 123—119.  
 Jorgenson, Anton J. 2,709,274, Cl. 16—72.  
 Jorgenson, Harry E., to D. W. Onan and Sons, Inc. 2,707,263, Cl. 322—25.  
 Jorgenson, John P. 2,712,183, Cl. 34—131.  
 Jorgenson, John P., to Ayr-Mor Machinery Co., Inc. 2,718,134, Cl. 68—18.  
 Jorn, Albert T., to Burgess-Manning Co. 2,710,175, Cl. 257—124.  
 Jorn, Albert T., to Burgess-Manning Co. 2,710,336, Cl. 240—9.  
 Jorstad, Henry C.: *See—*  
   Botterill, John W., and Jorstad. 2,702,311.  
 Josam Mfg. Co.: *See—*  
   Brenner, Henry G. 2,701,619.  
 Joseph, Arthur J.: *See—*  
   Bliss, Jack E., and Joseph. 2,715,450.  
 Joseph, David P. 2,706,608, Cl. 248—160.  
 Joseph, Lawrence E., to Blaw-Knox Co. 2,705,550, Cl. 189—84.  
 Joseph, Nicole M.: *See—*  
   Paul, Raymond E., and Joseph. 2,726,926.  
 Josephson, Bengt A. S. and O. G. T. 2,719,248, Cl. 315—12.  
 Josephson, O. G. T.: *See—*  
   Josephson, Bengt A. S. and O. G. T. 2,719,248.  
 Jouban, Albert M. 2,714,781, Cl. 45—5.  
 Joublang, Joseph C., to McGraw Electric Co. 2,702,887, Cl. 336—5.  
 Joule, Walter M.: *See—*  
   Brown, William J., and Joule. 2,702,090.  
 Jourdain, André P., to Compagnie Internationale des Pieux Armés Frankignoul, Societe Anonyme. 2,710,739, Cl. 255—4.  
 Journal Co., The: *See—*  
   Eberle, Julian J. 2,721,645.  
 Jovanovich, Dragoljub K., to McCulloch Motors Corp. 2,712,356, Cl. 170—159.  
 Jowers, James B. 2,726,440, Cl. 30—24.  
 Joy, Clarence L., to Holcroft & Co. 2,716,989, Cl. 134—66.  
 Joy, Joseph F., to Joy Mfg. Co. 2,711,634, Cl. 61—45.  
 Joy, Joseph F., to Joy Mfg. Co. 2,713,414, Cl. 198—220.  
 Joy, Joseph F., to Joy Mfg. Co. 2,714,505, Cl. 262—1.  
 Joy, Joseph F., to Joy Mfg. Co. 2,728,403, Cl. 180—11.  
 Joy Mfg. Co.: *See—*  
   Ball, Charles F. 2,705,626.  
   Ball, Charles F., and Hair. 2,727,639.  
   Ball, Charles F., and Woolf. 2,715,425.  
   Barrett, Arthur L. 2,719,642.  
   Barrett, Arthur L., and Leven. 2,719,033.  
   Daily, Glenn A. 2,707,098.  
   Goodrich, Ross H., and Hale. 2,726,064.  
   Joy, Joseph F. 2,711,634.  
   Joy, Joseph F. 2,713,414.  
   Joy, Joseph F. 2,714,505.  
   Joy, Joseph F. 2,728,403.  
   Klitzke, William C. 2,721,491.  
   Lehner, Ray A. 2,698,735.  
   Murphy, Donald D. 2,725,757.  
   Paget, Win W. 2,707,598.  
   Paget, Win W. 2,715,316.  
   Russell, John A., Bouillé, Sutherland, and Hamlin. 2,721,067.  
   Sibley, John R. 2,707,522.  
   Wiebe, Donald. 2,713,479.  
   Wyman, Robert A. 2,721,068.  
 Joy, Robert F., to Bethlehem Steel Co. 2,723,729, Cl. 189—31.5.  
 Joy, Robert T.: *See—*  
   Gurnick, Raymond S., and Joy. 2,709,651.  
 Joyce-Cridland Co., The: *See—*  
   Hott, Ion V. K., and Haddix. 2,708,986.  
   Hott, Ion V. K., and Haddix. 2,708,987.  
   Hott, Ion V. K., and Haddix. 2,708,988.  
 Joyce, Glover C., to Whitin Machine Works. 2,718,360, Cl. 242—27.  
 Joyce, Maurice, and H. F. Tucker. 2,708,221, Cl. 179—90.  
 Joyce, Robert M., Jr.: *See—*  
   Farlow, Mark W., and Joyce. 2,709,183.  
 Joyce, Robert M., Jr., and J. R. Roland, to E. I. du Pont de Nemours & Co. 2,723,214, Cl. 260—2.  
 Joyce, Thomas P., Jr., to Gulf Research & Development Co. 2,700,015, Cl. 196—53.  
 Joyce, William H. 2,702,652, Cl. 220—52.  
 Joyner, Frederick B., and G. F. Hawkins, to Eastman Kodak Co. 2,721,858, Cl. 260—67.  
 Joynt, John H.: *See—*  
   Gritman, Carl, Broussard, Toce, and Joynt. 2,715,082.  
   Gritman, Carl, Broussard, Toce, and Joynt. 2,715,150.  
   Gritman, Carl, Broussard, Toce, and Joynt. 2,715,151.  
 Joynt, John H., to The Electroacid Corporation. 2,715,149, Cl. 136—26.  
 Ju, David M. 2,700,973, Cl. 128—276.  
 Jubb, Albert: *See—*  
   Ballantyne, Davis H., and Jubb. 2,725,932.  
 Jubb, Albert, and W. R. C. Ivens, to Rolls-Royce Ltd. 2,722,800, Cl. 60—35.6.  
 Jubb, Derek H.: *See—*  
   Haworth, Lionel, Davies, and Jubb. 2,718,114.  
 Juchheim, Moritz K., to Bronwill Scientific, Inc. 2,723,564, Cl. 73—371.  
 Juchli, Joseph: *See—*  
   Eicher, Werner, Schild, and Juchli. 2,701,645.  
 Judge, Robert A. 2,702,919, Cl. 16—5.  
 Judge, Thomas J., to General Railway Signal Co. 2,703,839, Cl. 246—33.  
 Judge, Thomas J., and R. M. Phinney, to General Railway Signal Co. 2,700,727, Cl. 246—26.  
 Judisch, Carl H., to Whitney Blake Co. 2,718,659, Cl. 18—1.  
 Judkins, Raymond P., to Westinghouse Electric Corp. 2,703,861, Cl. 322—28.  
 Judovich, Joel I. 2,707,950, Cl. 128—75.  
 Judson, Albert L., to Iron Fireman Mfg. Co. 2,719,582, Cl. 158—28.  
 Judy, Robert V., to International Telephone and Telegraph Corp. 2,724,020, Cl. 179—18.  
 Judy, Wayne M. 2,708,629, Cl. 99—3.  
 Juedeman, Henry J. 2,712,331, Cl. 144—222.  
 Juengling, Karl F., to Senior, Juengling, and Knall. 2,718,971, Cl. 214—37.  
 Juengling, Leonard E., to Cook Chemical Co. 2,713,872, Cl. 137—382.  
 Juettner, Thomas R., to Stewart-Warner Corp. 2,699,842, Cl. 184—7.



- Juhlin, Paul G. V., and E. Akerstrom, to AB Atvidabergs Buttkinredningar. 2,707,797, Cl. 16—144.
- Juhola, Carl, to United Shoe Machinery Corp. 2,707,742, Cl. 219—10.77.
- Juhrend, Peter J. 2,722,764, Cl. 43—35.
- Jules, Leonard H., J. A. Faust, and M. Sahyun, to Cutter Laboratories, Inc. 2,716,648, Cl. 260—309.5.
- Julian, Jonathan R. 2,704,528, Cl. 113—101.
- Julian, Percy L., to The Glidden Co. 2,705,233, Cl. 260—239.55.
- Julian, Percy L., H. C. Printy, and E. W. Meyer, to The Glidden Co. 2,705,238, Cl. 260—397.3.
- Julian, Percy L., H. T. Iveson, and M. L. McClelland, to The Glidden Co. 2,724,649, Cl. 99—123.
- Julien, Albert E. 2,722,771, Cl. 46—17.
- Jullie, Joseph T., to The Singer Mfg. Co. 2,711,144, Cl. 112—209.
- Jumer, John F. 2,705,191, Cl. 41—42.
- Jump, Robert S.: *See*—  
Day, Carl L., and Jump. 2,725,170.
- June Dairy Products Co., Inc.: *See*—  
Hoag, Arthur E. 2,720,233.
- Jungblut, Charles, to Compagnie de Pont-à-Mousson. 2,711,913, Cl. 285—163.
- Junghans, Gebrüder, A. G.: *See*—  
Junghans, Helmut, von Zeppelin, Storz, and Letsche. 2,721,443.
- Junghans, Helmut, and A. Küss, to Gebrüder Junghans A. G. 2,701,439, Cl. 58—22.
- Junghans, Helmut, and A. Haas, to Gebrüder Junghans A. G. 2,707,370, Cl. 58—22.
- Junghans, Helmut, and L. Hartner, to Gebrüder Junghans A. G. 2,707,861, Cl. 58—46.
- Junghans, Helmut, K. von Zeppelin, V. Storz, and A. Letsche, to Gebrüder Junghans A. G. 2,721,443, Cl. 58—140.
- Jungles, Robert N., to The Cleveland Pneumatic Tool Co. 2,710,085, Cl. 192—7.
- Jungwirth, John. 2,718,408, Cl. 280—104.5.
- Junker, Emile. 2,704,480, Cl. 82—19.
- Junker, Emile. 2,714,325, Cl. 82—18.
- Junkin, Malcolm P., to National Metal Edge Box Co. 2,719,292, Cl. 340—367.
- Junkmann, Karl, and O. Engelfried, to Schering A. G. 2,713,062, Cl. 260—397.5.
- Junod, Samuel: *See*—  
Beuchat, Roland, and Junod. 2,714,753.
- Junta, Sebastian: *See*—  
Carter, George L., and Junta. 2,712,851.
- Jurewicz, Bruno S.: *See*—  
Morgan, Erving B., Jurewicz, and Plachecki. 2,717,187.
- Jurgensen, Delbert F., Jr., M. H. Gurley, Jr., and C. P. Mangion, to American Machine & Foundry Co. 2,707,472, Cl. 131—15.
- Jurinic, John: *See*—  
Jurinic, Mary M. 2,727,325.
- Jurinic, Mary M., 50% to J. Jurinic, and 25% to L. P. Berzonsky. 2,727,325, Cl. 41—4.
- Jurist, Alfred E., J. C. Burke, and W. E. Gaunt, to Olin Mathieson Chemical Corp. 2,719,103, Cl. 167—67.
- Jurriaanse, Tom: *See*—  
Penning, Frans M., Jurriaanse, and Moubis. 2,701,849.
- Jurs, Peter C., to Shand and Jurs Co. 2,719,644, Cl. 220—25.
- Jurs, Peter C., and J. P. Van Overveen, to Shand and Jurs Co. 2,726,840, Cl. 251—62.
- Jursich, Myron J., to National Aluminate Corp. 2,727,009, Cl. 252—321.
- Jury, Harold W., to Don Lee Division of General Teleradio, Inc. 2,727,942, Cl. 178—6.
- Jury, Robert J., to Hall Telephone Accessories Ltd. 2,717,966, Cl. 310—24.
- Juselius, Stig O.: *See*—  
Lindholm, Nils G. H., and Juselius. 2,706,288.
- Just, George A., to The Grand Union Co. 2,709,043, Cl. 235—91.
- Just, George A., to The Grand Union Co. 2,718,632, Cl. 340—312.
- Justice, Donald S., to Justice Industries Inc. 2,724,953, Cl. 62—117.5.
- Justice, Howard W. 2,698,492, Cl. 37—145.
- Justice Industries Inc.: *See*—  
Justice, Donald S. 2,724,953.
- Justin, John S., Jr. 2,709,518, Cl. 206—46.
- Justus, Le Roy E. 2,724,874, Cl. 20—57.5.
- Juinall, James W., to Ransburg Electro-Coating Corp. 2,724,661, Cl. 117—93.
- Juinall, Robert C.: *See*—  
Smart, William L., and Juinall. 2,728,606.
- Juzwiak, Edmond A., to Avco Mfg. Corp. 2,710,116, Cl. 222—177.
- Juzwiak, Edmond A., to Avco Mfg. Corp. 2,715,482, Cl. 222—177.
- K. A. C. Ltd.: *See*—  
Love, John. 2,712,454.
- KLR Laboratories, Inc.: *See*—  
Rice, Gordon A. 2,712,315.
- K-P Mfg. Co.: *See*—  
Jernander, Alvin A. 2,703,191.
- KSM Products, Inc.: *See*—  
Kelemen, Frank K., and Taylor. 2,708,129.
- Kaasa, Orin G., to Sinclair Oil and Gas Co. 2,722,278, Cl. 166—59.
- Kabuss, Norbert G., W. H. Higa, and H. H. Woerdemann, to North American Aviation, Inc. 2,709,759, Cl. 307—106.
- Kaczor, Edward J., to The Ohio Crankshaft Co. 2,698,773, Cl. 308—172.
- Kaczor, Edward J., to The Ohio Crankshaft Co. 2,706,667, Cl. 308—121.
- Kaczor, Edward J., to The Ohio Crankshaft Co. 2,719,667, Cl. 233—4.
- Kaden, Willy, to Agfa Camera-Werk Aktiengesellschaft. 2,720,144, Cl. 95—11.5.
- Kadosch, Marcel, F. G. Paris, J. H. Bertin, and R. H. Marchal, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. 2,702,986, Cl. 60—35.54.
- Kaeding, Warren W., R. O. Lindblom, and R. G. Temple, to The Dow Chemical Co. 2,727,926, Cl. 260—621.
- Kaegi, Hans: *See*—  
Miescher, Karl, and Kaegi. 2,714,108.
- Kaenan, Joseph P.: *See*—  
Kraft, Herman T., and Kaenan. 2,710,424.
- Kaesemeyer, Burton D.: *See*—  
Kaesemeyer, Theodore F., Jr., and B. D. 2,710,516.
- Kaesemeyer, Theodore F., Jr., and B. D. 2,710,516, Cl. 56—158.
- Kaess, Franz, E. Doehlemann, and F. Maresch, to Sued-deutsche Kalkstickstoff-Werke A. G. 2,706,729, Cl. 260—249.7.
- Kagan, Ralph, and H. and F. Gerstein, to Lever Bias Machine Corp. 2,725,103, Cl. 164—65.
- Kagan, William. 2,713,624, Cl. 200—138.
- Kagan, William. 2,724,321, Cl. 98—108.
- Kaganoff, Solomon, to International Telephone and Telegraph Corp. 2,708,215, Cl. 174—110.
- Kagley, William H., H. H. Wylie, and R. Webster, to Lindsay Ripe Olive Co. 2,719,477, Cl. 99—239.
- Kahan, Helen. 2,707,023, Cl. 160—300.
- Kahler, Harry L., to W. H. & L. D. Betz. 2,711,391, Cl. 210—23.
- Kahler, Oscar H. 2,707,348, Cl. 43—43.13.
- Kahler, William H., L. L. Balassa, and H. F. Ross, to Hathaway Mfg. Co. 2,702,228, Cl. 8—116.2.
- Kahn, Bertrand B. 2,699,814, Cl. 155—2.
- Kahn, Frederick L., to Automatic Electric Laboratories, Inc. 2,716,674, Cl. 179—27.
- Kahn, Julio, M. Pier, and E. N. MacKinney. 2,724,191, Cl. 34—68.
- Kahn, Lester R., to E. I. du Pont de Nemours and Co. 2,708,029, Cl. 206—46.
- Kahn, Rudolph. 2,706,980, Cl. 128—44.
- Kahn, Stanley: *See*—  
Dobson, William T., III, and Kahn. 2,714,311.
- Kähr, Gustaf. 2,725,910, Cl. 144—309.
- Kahr, Kurt, to Inventa A.-G., für Forschung und Patentverwertung Luzern. 2,706,204, Cl. 260—566.
- Kairath, Howard G. 2,720,897, Cl. 143—171.
- Kaiser Aluminum and Chemical Corp.: *See*—  
Austin, Leslie W., Elmer, and Altmann. 2,702,751.
- Boyer, Charles P. 2,718,288.
- Buhler, James D., Smith, and Folkrod. 2,699,931.
- Byrns, Alva C. 2,716,589.
- Henrickson, Henry G. 2,720,289.
- Henrickson, Henry G. 2,720,290.
- Hesch, Frederick H. 2,703,781.
- Hesch, Frederick H. 2,719,781.
- Houston, Jacques B., and Hopper. 2,727,390.
- Houston, Jacques B., and McGill. 2,707,669.
- Legg, Harry P. 2,698,811.
- Murphy, James F. 2,719,079.
- Porter, John L. 2,701,751.
- Porter, John L. 2,701,752.
- Smith, Arthur D. 2,713,903.
- Wood, Frank J. 2,699,904.
- Wood, Frank J. 2,725,104.
- Zeigler, Paul P. 2,705,353.
- Zeigler, Paul P. 2,708,297.
- Kaiser, Donald W.: *See*—  
Peters, Grace A., and Kaiser. 2,721,217.
- Kaiser, Donald W., and G. A. Peters, to American Cyanamid Co. 2,721,218, Cl. 260—564.
- Kaiser, Donald W., and G. A. Peters, to American Cyanamid Co. 2,723,274, Cl. 260—308.
- Kaiser, Donald W., and G. A. Peters, to American Cyanamid Co. 2,723,275, Cl. 260—308.
- Kaiser, Fred. 2,709,100, Cl. 292—169.
- Kaiser Gypsum Co., Inc.: *See*—  
Riddell, Wallace C. 2,711,377.
- Kaiser, Helen C. 2,705,519, Cl. 150—52.
- Kaiser, Henry J., Co.: *See*—  
Schumann, George E. 2,706,538.
- Kaiser Metal Products, Inc.: *See*—  
De Ganahl, Carl, Coffin, and Basch. 2,710,136.
- Kaiser Motors Corp.: *See*—  
Anschnetz, Harvey J., and Serratoni. 2,704,225.
- Kaiser, Robert G.: *See*—  
Clark, Carleton L., Hickey, Kaiser, and Smith. 2,717,536.
- Kaiser, Rudolf, to Aeroquip Corp. 2,702,202, Cl. 285—163.
- Kaiser, Rudolf, to Aeroquip Corp. 2,705,652, Cl. 285—150.
- Kaiser, Walter N. 2,724,263, Cl. 73—61.
- Kaiser, Walter S. 2,714,150, Cl. 219—4.
- Kajtar, Kalman. 2,720,041, Cl. 36—3.
- Kalamazoo Tank and Silo Co.: *See*—  
Zook, William M. 2,706,503.
- Kalamazoo Vegetable Parchment Co.: *See*—  
Smith, Hugh C. 2,719,483.



- Kalart Co. Inc., The: *See*—  
Castedello, William, and Kaprelian. 2,721,602.  
Schwartz, Morris, and Castedello. 2,701,500.  
Schwartz, Morris, and Castedello. 2,721,929.
- Kalb, Eduard: *See*—  
Nitzsche, Siegfried, Kalb, and Fellermeier. 2,719,859.
- Kalb, George H., to E. I. du Pont de Nemours and Co. 2,719,171, Cl. 260—486.
- Kalb, Lennart R. 2,707,996, Cl. 164—58.
- Kalbach, John C., to Hydrocarbon Research, Inc. 2,700,599, Cl. 48—197.
- Kalberger, Otto F., to Industrial Tool & Machine Co. 2,718,708, Cl. 33—189.
- Kaleba, Joseph J., and D. M. Pearl, to Darwin Products, Inc. 2,707,214, Cl. 200—61.89.
- Kalech, Nat: *See*—  
Lerner, Louis L. 2,702,780.
- Kalech, Phil: *See*—  
Lerner, Louis L. 2,702,780.
- Kalech, Phil, Co.: *See*—  
Lerner, Louis L. 2,702,780.
- Kalenian, Aram. 2,726,093, Cl. 279—116.
- Kalensky, Ruby. 2,709,261, Cl. 2—198.
- Kalfaian, Meguer V. 2,702,830, Cl. 179—15.
- Kalfaian, Meguer V. 2,705,260, Cl. 178—31.
- Kalfaian, Meguer V. 2,708,688, Cl. 178—31.
- Kalfaian, Meguer V. 2,728,815, Cl. 178—5.4.
- Kalikow, Irving, to General Electric Co. 2,703,847, Cl. 290—46.
- Kalin, Albert, deceased, by A. L. Richards and C. C. Fowerbaugh, administrators, to A. L. Richards and C. C. Fowerbaugh, co-trustees. Re. 23,994, Cl. 121—42.
- Kälin, Erich, to Stoffel & Co. 2,728,294, Cl. 101—407.
- Kalina, Benjamin F. 2,718,247, Cl. 145—1.
- Kalinowski, Mathew L., to Standard Oil Co. 2,702,266, Cl. 196—22.
- Kalinowski, Mathew L., and F. H. MacLaren, to Standard Oil Co. 2,720,466, Cl. 106—271.
- Kalinowski, Mathew L., L. T. Crews, and F. H. MacLaren, to Standard Oil Co. 2,728,682, Cl. 106—123.
- Kalinske, Anton A., to Inflico Inc. 2,710,099, Cl. 210—152.
- Kalker Triëurfabrik and Fabrik Gelochter Bleche Mayer & Cie: *See*—  
Von Rechenberg, Hans A. F. 2,713,942.
- Källe, Karl T. 2,719,425, Cl. 73—23.
- Källe, Karl T. 2,719,432, Cl. 73—421.5.
- Kallenbach, Donald D., to Ideal-Aerosmith, Inc. 2,719,942, Cl. 318—207.
- Kallio, Oliver C. 2,706,528, Cl. 180—5.
- Kalmoe, Hjalmer H. 2,698,599, Cl. 119—45.
- Kalmus, Henry P., to the United States of America as represented by the Secretary of Commerce. 2,724,269, Cl. 73—194.
- Kaltenbach, Ernest G.: *See*—  
Heygel, Paul R., and Kaltenbach. 2,711,861.
- Kaltenbach, Ernest M. 2,715,269, Cl. 30—135.
- Kalwaltes, Frank, to Whiten Machine Works. 2,705,818, Cl. 19—135.
- Kaman Aircraft Corp., The: *See*—  
Emmerson, John O. 2,717,653.
- Kaman, Frank A.: *See*—  
Mitchell, Walter G., and Kaman. 2,727,598.
- Kaman, Frank A., to Thor Power Tool Co. 2,721,090, Cl. 287—119.
- Kamataris, Anastasios J. 2,713,627, Cl. 219—39.
- Kamborian, Jacob S. 2,701,003, Cl. 154—1.8.
- Kamborian, Jacob S. 2,703,895, Cl. 12—1.
- Kamborian, Jacob S. 2,705,522, Cl. 154—41.
- Kamborian, Jacob S. 2,708,278, Cl. 12—8.3.
- Kamborian, Jacob S. 2,709,268, Cl. 12—8.3.
- Kamborian, Jacob S. 2,728,095, Cl. 12—38.
- Kameva, Chokichi. 2,709,580, Cl. 261—111.
- Kaminky, Oscar H., C. W. Petersen, and G. L. Thiry, to McGraw Electric Co. 2,705,121, Cl. 248—230.
- Kamisato, Ernest H. 2,702,413, Cl. 20—2.
- Kamlet, Jonas, to The Kamlet Laboratory. 2,705,185, Cl. 23—91.
- Kamlet, Jonas. 2,715,067, Cl. 99—2.
- Kamlet, Jonas, to The Kamlet Laboratory. 2,719,787, Cl. 92—3.
- Kamlet Laboratory, The: *See*—  
Kamlet, Jonas. 2,705,185.  
Kamlet, Jonas. 2,719,787.
- Kamm, Lawrence J. 2,725,440, Cl. 200—87.
- Kamm, Maxwell S.: *See*—  
Stern, Kurt G., and Kamm. 2,714,927.
- Kammer, William F. 2,720,161, Cl. 100—102.
- Kammerer, Archer W., Jr., to Rotary Oil Tool Co. 2,710,172, Cl. 255—76.
- Kammerer, Archer W., to Rotary Oil Tool Co. 2,719,700, Cl. 255—76.
- Kammerer, Archer W., Jr., to Rotary Oil Tool Co. 2,719,701, Cl. 255—76.
- Kammerer, H. A., Inc.: *See*—  
Kammerer, Harry A. 2,706,543.
- Kammerer, Harry A., to H. A. Kammerer, Inc. 2,706,543, Cl. 189—46.
- Kammerer, Walter: *See*—  
Johannsen, Adolf, Danz, Fees, and Kammerer. 2,699,375.
- Kamowski, Charles. 2,699,527, Cl. 324—19.
- Kamp Metal Products Co.: *See*—  
Holtkamp, Clifford F. 2,728,514.
- Kampler, Frederick, to Levy Auto Parts Co. Ltd. 2,723,337, Cl. 219—32.
- Kamps, Reinhold G., to Daimler-Benz Aktiengesellschaft. 2,724,450, Cl. 180—54.
- Kanady, William E., to Esso Research and Engineering Co. 2,705,920, Cl. 102—21.8.
- Kandarian, Belle A. 2,701,006, Cl. 155—126.
- Kandoon, Armig G., and R. A. Felsenheld, to International Telephone and Telegraph Corp. 2,726,388, Cl. 343—774.
- Kane, Arthur L.: *See*—  
Kemp, Alton L., and Kane. 2,707,929.
- Kane, Ellis D.: *See*—  
Stewart, Donald R., and Kane. 2,700,134.
- Kane, James E. J.: *See*—  
Hakala, Niilo V., and Kane. 2,716,090.
- Kane, James J.: *See*—  
Joerndt, Wilbur A., and Kane. 2,713,093.
- Kane, James M. 2,716,703, Cl. 250—33.51.
- Kane, James P.: *See*—  
Cattell, William G., and Kane. 2,705,374.
- Kane, Robert P.: *See*—  
Chestnutt, John E. 2,701,022.
- Kane, Thomas C., to The Commercial Shearing & Stamping Co. 2,714,856, Cl. 103—126.
- Kane, Thomas C., to The Commercial Shearing & Stamping Co. 2,714,899, Cl. 138—31.
- Kanemoto, Jimmie T. 2,705,771, Cl. 318—466.
- Kanemoto, Jimmie T. 2,722,104, Cl. 61—29.
- Kanemoto, Jimmie T. 2,727,609, Cl. 192—62.
- Kanemoto, Jimmie T. 2,727,789, Cl. 301—9.
- Kangas, Charles H., to Phillips Petroleum Co. 2,722,123, Cl. 73—216.
- Kann, Emil A., to The Englander Co., Inc. 2,712,872, Cl. 211—148.
- Kannenberg, Walter F., to Bell Telephone Laboratories, Inc. 2,713,153, Cl. 333—83.
- Kannenberg, Walter F., and I. G. Wilson, to Bell Telephone Laboratories, Inc. 2,720,630, Cl. 333—83.
- Kanthal Corp., The: *See*—  
Hagglund, Erik H. M. 2,703,355.
- Kantola, Vincent, and J. R. Martin, to Calumet & Hecla, Inc. 2,728,452, Cl. 206—65.
- Kantor, Simon W., to General Electric Co. 2,717,258, Cl. 260—448.2.
- Kantrowitz, Morris S., and A. E. Yelmgren. 2,703,295, Cl. 117—130.
- Kanuch, John: *See*—  
Minshall, Robert J., and Kanuch. 2,718,758.
- Kanuch, John A., to Borg-Warner Corp. 2,725,890, Cl. 137—115.
- Kanzow, Willie M. 2,709,812, Cl. 2—52.
- Kao, Chung-Chin, to Trasia Corp. 2,728,816, Cl. 178—39.
- Kapella Ltd.: *See*—  
Reason, Richard E., and Rawstron. 2,701,170.  
Reason, Richard E., Adams, and Coleman. 2,724,987.
- Kaplan, Abraham R. 2,711,040, Cl. 41—24.
- Kaplan, Dora. 2,711,744, Cl. 132—59.
- Kaplan, Edward. 2,706,508, Cl. 150—52.
- Kaplan, Harry. 2,699,848, Cl. 190—45.
- Kaplan, Hyman. 2,704,975, Cl. 100—121.
- Kaplan, Jacob J. 2,711,689, Cl. 101—69.
- Kaplan, Julius. 2,706,768, Cl. 219—46.
- Kaplan, Julius. 2,708,235, Cl. 219—46.
- Kaplan, Marvin, to Video Television, Inc. 2,700,699, Cl. 178—7.5.
- Kaplan, Max. 2,725,088, Cl. 150—33.
- Kaplan, Murray A.: *See*—  
Buckwalter, Frank H., and Kaplan. 2,723,938.
- Kaplan, Yale, and H. M. Ross. 2,707,581, Cl. 222—107.
- Kapp, Hermann: *See*—  
Ritter, Friedbert, Kapp, and Reichert. 2,698,871.
- Kapp, Morton. 2,717,807, Cl. 301—1.
- Kapp, Roland: *See*—  
Levy, Joseph, Chodroff, and Kapp. 2,716,122.
- Kappen, John W. 2,711,835, Cl. 214—38.
- Kappes, Walter R., R. V. Vanden Berg, and R. A. Wodehouse, Jr., to Aluminum Co. of America. 2,719,796, Cl. 117—53.
- Kaprelian, Edward K.: *See*—  
Castedello, William, and Kaprelian. 2,721,602.
- Kaprelian, Edward K., to the United States of America as represented by the Secretary of the Army. 2,705,758, Cl. 250—71.
- Karageogioeff, Stojan: *See*—  
Reader, Ernest G., Ziemelis, and Karageogioeff. 2,714,315.
- Karash, Walter P., to The Harshaw Chemical Co. 2,711,010, Cl. 29—196.6.
- Karash, Walter P., to The Harshaw Chemical Co. 2,714,088, Cl. 204—36.
- Kardian, Emil V.: *See*—  
Draughn, George W. 2,718,654.
- Kardos, Otto, T. J. Menzel, and J. L. Sweet, to Hanson-Van Winkle-Munning Co. 2,712,522, Cl. 204—49.
- Karger, Robert F.: *See*—  
Sleeman, William C., and Karger. 2,706,454.
- Karig, Horace E., to the United States of America as represented by the Secretary of the Navy. 2,725,841, Cl. 114—24.
- Karius, William: *See*—  
Demarest, Daniel D., Perkins, Karius, and Berendt. 2,701,385.
- Karlen, Harvey R., to Cory Corp. 2,717,303, Cl. 219—20.
- Karlén, Nial T.: *See*—  
Falkman, Hans H., Karlén, and Olsson. 2,707,978.  
Falkman, Hans H., Karlén, and Olsson. 2,707,979.



- Karll, Robert E., and A. R. Sabol, to Standard Oil Co. 2,726,208, Cl. 252—32.7.
- Karlson, Gustav V.: *See*—  
Merrill, Leslie M., Karlson, and Oestnaes. 2,724,862.  
Merrill, Leslie M., Karlson, and Oestnaes. 2,724,869.  
Merrill, Leslie M., Karlson, and Oestnaes. 2,725,539.
- Karlsson, Elof K.: *See*—  
Pool, Stuart D., and Karlsson. 2,716,322.  
Pool, Stuart D., and Karlsson. 2,723,522.  
Pool, Stuart D., and Karlsson. 2,723,669.
- Karlsson, Elof K., to International Harvester Co. 2,723,521, Cl. 56—119.
- Karmann, William H. 2,718,177, Cl. 90—15.1.
- Karmazin, John. 2,706,328, Cl. 29—156.
- Karnaugh, Maurice, to Bell Telephone Laboratories, Inc. 2,719,773, Cl. 346—74.
- Karnaugh, Maurice, to Bell Telephone Laboratories, Inc. 2,719,961, Cl. 340—166.
- Karnaugh, Maurice, to Bell Telephone Laboratories, Inc. 2,719,962, Cl. 340—166.
- Karnes, Frank. 2,712,145, Cl. 15—202.
- Karniol, Leopold. 2,722,720, Cl. 18—59.
- Karow, George F. 2,699,156, Cl. 123—51.
- Karp, Harry: *See*—  
Pelzer, Harold H., and Karp. 2,707,467.
- Karp, Martin E., and G. A. Grubis, to National Pneumatic Co., Inc. 2,720,426, Cl. 303—6.1.
- Karp, William: *See*—  
Velonis, Constantine, and Karp. 2,701,214.
- Karper, Abraham S. 2,703,744, Cl. 312—189.
- Karpinski, Hans J.: *See*—  
Breuning, Ernst W., Karpinski, and Mörike. 2,699,709.
- Karr, George R.: *See*—  
Goebel, Henry R., and Karr. 2,704,180.
- Karr, Harry E.: *See*—  
Harding, Hiram R. 2,704,676.
- Karr, Nathaniel A.: *See*—  
Bernstein, Allan C. 2,702,841.
- Karrer, Paul, and M. Viscontini, to Hoffmann-La Roche Inc. 2,703,323, Cl. 260—297.
- Karrett, Henry, Sr. 2,721,388, Cl. 33—8.
- Karsai, Joseph W.: *See*—  
Constantakis, George V., and Karsai. 2,708,957.
- Kartaschoff, Valentin, and E. Merian, to Sandoz A. G. 2,720,517, Cl. 260—195.
- Kartinos, Nicholas J., and J. B. Normington, to General Aniline & Film Corp. 2,708,149, Cl. 8—55.
- Karwat, Ernst, to Gesellschaft Fuer Linde's Eismaschinen A. G. 2,727,587, Cl. 183—115.
- Karwat, Ernst, and R. Linde, to Gesellschaft Fuer Linde's Eismaschinen A. G. 2,699,047, Cl. 62—175.5.
- Kas, John L., Sr. 2,707,954, Cl. 128—218.
- Kasdan, Nathan, to Majestic Metal Specialties, Inc. 2,727,548, Cl. 150—28.
- Kase, Irving. 2,723,696, Cl. 150—28.
- Kase, Otto E., and E. S. Rice, to the United States of America as represented by the Secretary of the Navy. 2,713,390, Cl. 164—114.
- Kaser, William J., to Colborne Mfg. Co. 2,703,059, Cl. 107—4.
- Kashima, Hideo. 2,726,528, Cl. 68—112.
- Kaske, Karl-Heinz: *See*—  
Lieneweg, Fritz, Honrath, and Kaske. 2,702,494.
- Kasper, Andrew A., to Ionics, Inc. 2,702,272, Cl. 204—151.
- Kasprowicz, Frank A. 2,707,276, Cl. 340—398.
- Kass, Lawrence W.: *See*—  
Tripp, Chester D., and Kass. 2,707,507.  
Tripp, Chester D., and Kass. 2,709,469.
- Kass, Samuel M. 2,715,910, Cl. 137—447.
- Kass, Samuel M. 2,724,404, Cl. 137—446.
- Kassel, Louis S., to Universal Oil Products Co. 2,719,822, Cl. 204—128.
- Kassel, Louis S., to Universal Oil Products Co. 2,722,501, Cl. 196—28.
- Kassel, Louis S., to Universal Oil Products Co. 2,726,995, Cl. 196—52.
- Kasser, Morris,  $\frac{1}{4}$  to W. B. Shepherd,  $\frac{1}{4}$  to S. S. Kingston, and  $\frac{1}{4}$  to S. B. Kingston. 2,700,369, Cl. 119—22.
- Kasten, Oscar R. 2,726,107, Cl. 287—100.
- Kasten, Walter, to Bendix Aviation Corp. 2,707,562, Cl. 210—166.
- Kasten, Walter, and G. C. Fricke, to Bendix Aviation Corp. 2,707,563, Cl. 210—184.
- Kastner, Karl. 2,699,787, Cl. 131—70.
- Kastner, Karl. 2,699,788, Cl. 131—70.
- Katcher, Harry B., and J. Graubard. 2,711,769, Cl. 150—52.
- Kateley, John R.: *See*—  
Watson, Frederick K., Ludlow, and Kateley. 2,714,075.
- Kates, Hyman G. 2,708,495, Cl. 190—49.
- Kates, Leonard W., to Sylvania Electric Products Inc. 2,720,458, Cl. 75—170.
- Kathe, Edmund A. 2,716,683, Cl. 200—138.
- Kather, Erich N., to Raytheon Mfg. Co. 2,714,178, Cl. 315—39.61.
- Kather, William S., to General Electric Co. 2,713,545, Cl. 106—148.
- Kather, William S., and T. Wiener, to Hodges Research & Development Co. 2,711,418, Cl. 260—448.8.
- Kathol, Josef, to Schering A. G. 2,713,061, Cl. 260—397.4.
- Kato Engineering Co.: *See*—  
Jones, Cecil H. 2,704,856.
- Katryniak, Edward: *See*—  
Vanetzian, Alexander G., and Katryniak. 2,711,857.
- Kattermann, Emil D., to Swiss Knitting Co. 2,699,055, Cl. 66—176.
- Kattermann, Emil D., to Swiss Knitting Co. 2,715,327, Cl. 66—27.
- Kattis, Theodore. 2,724,949, Cl. 62—4.
- Katucki, Richard R.: *See*—  
Howe, John P., and Katucki. 2,706,716.
- Katz, Alex J.: *See*—  
Bank, Albert M., and Katz. 2,721,337.  
Bank, Albert M., and Katz. 2,727,561.
- Katz, Helmut, to Siemens & Halske Aktiengesellschaft. 2,718,607, Cl. 313—346.
- Katz, Leon, to Schenley Industries, Inc. 2,710,823, Cl. 167—65.
- Katz, Leon, to Schenley Industries, Inc. 2,710,824, Cl. 167—65.
- Katz, Leonhard, to Raytheon Mfg. Co. 2,716,217, Cl. 332—9.
- Katz, Robert. 2,717,061, Cl. 189—46.
- Katz, Samuel W., and N. T. Salmon. 2,716,990, Cl. 134—155.
- Katzbeck, Walter J.: *See*—  
Kerr, Ralph W., and Katzbeck. Re. 23,952.
- Katzen, Harry: *See*—  
Norton, Luther R., and Katzen. 2,707,858.
- Katzenberger, Edward F., to United Aircraft Corp. 2,702,171, Cl. 244—17.17.
- Katzenmaier, Henry K. 2,706,004, Cl. 166—75.
- Katzenmeyer, Edwin B.: *See*—  
Leguillon, Charles W., and Katzenmeyer. 2,705,999.
- Katzman, Harry. 2,722,349, Cl. 223—74.
- Katzschmann, Ewald, to Imhausen & Cie., G. m. b. H. 2,698,865, Cl. 260—524.
- Kaucher, Jerome W.: *See*—  
Nugent, Charles T., and Kaucher. 2,712,539.
- Kauck, Edward A.: *See*—  
La Zerte, James D., Pearson, and Kauck. 2,704,776.
- Kaufman, Raymond M.: *See*—  
Browning, Lewis M., Jr., and Kaufman. 2,725,339.
- Kaufman, William M. 2,707,602, Cl. 244—77.
- Kauffmann, Carl, and K. Zeidler. 2,723,715, Cl. 160—133.
- Kaufman, Adolph: *See*—  
Kaufman, Samuel and A. 2,703,091.
- Kaufman, Allen: *See*—  
Craig, Leo S., and Kaufman. 2,714,149.  
Craig, Leo S., and Kaufman. 2,726,305.
- Kaufman, John E.: *See*—  
Stanley, William E., Jr., and Kaufman. 2,727,850.
- Kaufman, Samuel and A. 2,703,091, Cl. 131—235.
- Kaufman, Sidney, to Shell Development Co. 2,724,114, Cl. 343—105.
- Kaufman, Vern F., M. J. Powers, and W. F. Talburt, to the United States of America as represented by the Secretary of Agriculture. 2,718,470, Cl. 99—186.
- Kaufman, William. 2,718,705, Cl. 33—166.
- Kaufmann Corp.: *See*—  
Noecker, Marshall V. 2,728,388.
- Kaufmann, Frank H., to Steel Heddle Mfg. Co. 2,722,949, Cl. 139—92.
- Kaufmann, John J., to Steel Heddle Mfg. Co. 2,708,455, Cl. 139—92.
- Kaufmann, Otto: *See*—  
Pfitzner, Helmut, and Kaufmann. 2,708,193.
- Kaufmann, Stephen: *See*—  
Djerassi, Carl, Rosenkranz, Kaufmann, Pataki, and Romo. 2,705,237.
- Kaul, Ben, to Mullins Mfg. Corp. 2,713,277, Cl. 78—45.
- Kaul, Emil W., to Textile Machine Works. 2,721,461, Cl. 66—126.
- Kaulakis, Arnold F.: *See*—  
Winkler, Raymond W., and Kaulakis. 2,728,714.
- Kauppi, Reino, to P. B. Grey. 2,725,917, Cl. 153—32.
- Kautenberg, W. E., Co.: *See*—  
Kautenberg, William E. 2,702,916.
- Kautenberg, William E., to W. E. Kautenberg Co. 2,702,916, Cl. 15—153.
- Kautz, Harry P.: *See*—  
Meisel, George M., Kautz, and Hupp. 2,701,742.
- Kautzky, Joe. 2,715,791, Cl. 43—42.48.
- Kavanagh, Frederick W. 2,708,389, Cl. 88—112.
- Kavanaugh, John E. 2,699,355, Cl. 296—44.
- Kay, James A.: *See*—  
Rose, Alfred G., Kay, and Page. 2,708,054.
- Kay, James C. 2,701,308, Cl. 250—33.51.
- Kay, Michael. 2,713,983, Cl. 248—57.
- Kay, Reuben. 2,720,325, Cl. 214—85.
- Kay, Robert W.: *See*—  
Fizzell, James A., Golseth, and Kay. 2,704,064.
- Kay, Sondra, Inc.: *See*—  
Yellen, Maxwell. 2,723,712.
- Kay, William W., to Parke, Davis & Co. 2,702,693, Cl. 259—117.
- Kaye, George T. 2,718,226, Cl. 128—33.
- Kaye, Gordon, and H. Jacobel, to P. R. Mallory & Co., Inc. 2,702,310, Cl. 136—111.
- Kaye, Oliver: *See*—  
Price, Richard H., and Kaye. 2,705,124.
- Kaye, Robert L. 2,707,016, Cl. 153—54.
- Kaye, Robert L. 2,713,866, Cl. 134—95.
- Kayler, Frank H., to American Steel Foundries. 2,709,528, Cl. 213—162.
- Kayser, Allan J., 50% to M. L. Kurland, 40% to G. K. Israel, and 10% to R. L. Kayser. 2,727,769, Cl. 288—2.
- Kayser, Rosalind L.: *See*—  
Kayser, Allan J. 2,727,769.



- Kazan, Benjamin, to the United States of America as represented by the Secretary of the Army. 2,704,336, Cl. 315—18.
- Kazan, Benjamin. 2,706,269, Cl. 318—220.
- Kazan, Benjamin, to the United States of America as represented by the Secretary of the Army. 2,717,328, Cl. 315—14.
- Kazen, Benjamin, to the United States of America as represented by the Secretary of the Army. 2,720,610, Cl. 315—3.6.
- Kazmierczak, Walter S., and L. P. Gajda, to Arthur Colton Co., Division of Snyder Tool and Engineering Co. 2,715,489, Cl. 226—74.
- Keach, James R., to Quaker Rubber Corp. 2,698,458, Cl. 18—6.
- Keal, John J., to Brown-Saltman Furniture Co. 2,727,799, Cl. 311—39.
- Kear, Allen T. 2,706,864, Cl. 37—43.
- Kearby, Kenneth K.: *See—*  
Murphree, Eger V., and Kearby. 2,721,889.
- Kearby, Kenneth K., to Esso Research and Engineering Co. 2,708,187, Cl. 252—442.
- Kearby, Kenneth K., to Esso Research and Engineering Co. 2,713,074, Cl. 260—638.
- Kearby, Kenneth K., I. Kirshenbaum, and G. R. Gilbert, to Esso Research and Engineering Co. 2,728,713, Cl. 196—50.
- Kearfott, Arman J., and R. K. Williams, to General Motors Corp. 2,702,771, Cl. 154—81.
- Kearfott Co., Inc.: *See—*  
Kent, Henry J. 2,707,882.
- Kearney, James R., Corp.: *See—*  
Hoffman, Joseph D., and Holke. 2,707,775.  
Landis, Alfred R. 2,712,252.  
Ortwig, Thomas B. 2,707,732.
- Kearney, Thomas J., to Detrex Corp. 2,700,645, Cl. 202—170.
- Kearney, Thomas J., to Detrex Corp. 2,714,574, Cl. 202—169.
- Kearney, Thomas J., to Detrex Corp. 2,721,564, Cl. 134—72.
- Kearney, Thomas J., and A. S. McPhee, to Detrex Corp. 2,698,627, Cl. 134—111.
- Kearney & Trecker Corp.: *See—*  
Fotsch, Arthur H. 2,699,708.  
Hajewski, Cyril M. 2,712,274.  
Senn, Jurg A. 2,703,505.  
Senn, Jurg A. 2,710,934.  
Senn, Jurg A. 2,720,810.
- Kearney, William A. 2,728,898, Cl. 339—226.
- Keasbey and Mattison Co.: *See—*  
Seipt, Willard R. 2,716,070.
- Keast, Francis H., to A. V. Roe Canada Ltd. 2,726,806, Cl. 230—122.
- Keating, Richard T. 2,712,308, Cl. 126—391.
- Kebbon, Earl R.: *See—*  
Johnson, Robert W., and Kebbon. 2,713,625.  
Lamb, Anthony H., and Kebbon. 2,713,265.
- Kebbon, Earl R., to Weston Electrical Instrument Corp. 2,706,962, Cl. 116—129.
- Kebel, Arthur P., to Miller Protecto Products. 2,714,529, Cl. 299—88.
- Kececioglu, Dimitri B., to Allis-Chalmers Mfg. Co. 2,722,840, Cl. 74—87.
- Keck, Cecil W. 2,715,473, Cl. 214—658.
- Keck, David R.: *See—*  
Bowen, Kenneth D., Keck, and Lee. 2,700,677.
- Keck, Karl, to L. Schuler A. G. 2,728,431, Cl. 192—148.
- Keebler, Paul T., to B. & G. Mfg. Co. 2,709,489, Cl. 160—381.
- Keefe, John S. 2,716,987, Cl. 131—237.
- Keefe, Richard A. 2,711,276, Cl. 226—18.
- Keegan, Thomas F.: *See—*  
Van Issum, Johannes B. H. 2,707,158.  
Van Issum, Johannes B. H. 2,707,160.
- Keel, Donald K.: *See—*  
Warner, Arthur J., and Keel. 2,726,233.
- Keelavite Co. Ltd., The: *See—*  
Johnson, Edward H. 2,728,299.
- Keeler, Amos L.: *See—*  
MacLeod, Norman L., Krieg, Keeler, Wersits, and Somers. 2,702,684.
- Keeler Brass Co.: *See—*  
Jakeway, Gerald V. 2,703,729.  
Jakeway, Gerald V. 2,707,648.
- Keeler, Frederick D., and M. D'Angelo, to Gilbert Mfg. Co., Inc. 2,724,810, Cl. 339—99.
- Keeler, Lawrence M. 2,698,972, Cl. 19—150.
- Keeley, James, Jr. 2,716,365, Cl. 81—79.
- Keelor, William B. 2,721,633, Cl. 189—36.
- Keely, Clifford D.: *See—*  
Shenigo, Michael G. 2,721,670.
- Keely, Clifford D. Re. 23,975, Cl. 15—22.
- Keely, Clifford D. 2,721,669, Cl. 216—29.
- Keen, Alexis W., to United States Rubber Co. 2,701,708, Cl. 259—3.
- Keen, Everett M.: *See—*  
Siciliano, Anthony J. 2,705,474.
- Keen, Everett M., and A. J. Siciliano, to Keen Mfg. Corp. 2,699,250, Cl. 198—176.
- Keen Mfg. Corp.: *See—*  
Keen, Everett M., and Siciliano. 2,699,250.
- Keen, Richard C. 2,713,321, Cl. 119—1.
- Keen, William R., to Collins & Aikman Corp. 2,706,883, Cl. 57—87.
- Keenan, James F., and R. J. Cyphers. 2,701,928, Cl. 40—125.
- Keenan, Vincent J.: *See—*  
Clarke, Edgar W., Doan, and Keenan. 2,706,151.
- Keene, Carl E. 2,712,645, Cl. 340—345.
- Keene, Charles I. 2,725,948, Cl. 181—43.
- Keene, Edward W. W. 2,717,083, Cl. 210—199.
- Keene, Ross T. 2,702,532, Cl. 123—41.17.
- Keeney, J. H., & Co., Inc.: *See—*  
Dahlstrom, Arvid. 2,709,004.
- Keeney, Patrick F. 2,717,441, Cl. 30—123.
- Keeney, Vaderon E., and H. D. Stevens. 2,708,467, Cl. 143—103.
- Keep, Charles R.: *See—*  
Richardson, William G., and Keep. 2,728,444.
- Kees, Robert B.: *See—*  
Bamford, John W., Fredericks, and Kees. 2,718,149.
- Keese, Beverly W., to Rockwell Spring and Axle Co. 2,701,476, Cl. 74—342.
- Keeshan, Alvin W., R. C. Marder, and A. Vogel, to American Type Founders, Inc. 2,717,756, Cl. 248—363.
- Keesling, Thomas B. 2,699,944, Cl. 273—49.
- Keeton, William H. 2,708,060, Cl. 223—103.
- Keever Starch Co., The: *See—*  
Gaver, Kenneth M., Lasure, and Thomas. 2,725,362.
- Kéféli, Michel M. 2,705,934, Cl. 114—126.
- Keffer, Cecil. 2,706,842, Cl. 25—131.
- Kegel, Johannes, and S. Wirth, to Pintsch Bamag Aktiengesellschaft. 2,710,692, Cl. 210—130.
- Keggin, James F., to Imperial Chemical Industries Ltd. 2,712,977, Cl. 8—151.2.
- Keggin, James F., to Imperial Chemical Industries Ltd. 2,720,442, Cl. 8—151.2.
- Keggin, James F., to Imperial Chemical Industries Ltd. 2,720,443, Cl. 8—151.2.
- Kehe, Henry J., to The B. F. Goodrich Co. 2,714,120, Cl. 260—619.
- Kehne, Myron M. 2,713,896, Cl. 160—92.
- Kehr, James M.: *See—*  
Perry, Guy L., and Kehr. 2,718,088.
- Kehrer, Fritz, and W. Wehrli, to Sandoz A. G. 2,710,859, Cl. 260—172.
- Keich, Charles W.: *See—*  
Banner, Joseph, and Keich. 2,699,206.
- Keifer, Arthur F. 2,712,286, Cl. 103—150.
- Keiffer, Charles J. 2,723,725, Cl. 183—54.
- Keiffer, Raymond L., to General Electric Co. 2,719,937, Cl. 315—97.
- Keiffer, Raymond L., and G. E. Inman, to General Electric Co. 2,714,681, Cl. 313—109.
- Keil, Havard L., to Armour and Co. 2,728,759, Cl. 260—112.
- Keil, Havard L., and L. K. Fencil, to Armour and Co. 2,708,169, Cl. 106—135.
- Keil, Henry P. 2,717,549, Cl. 101—132.
- Keil, Henry P., to The Fixture Hardware Corp. 2,722,885, Cl. 101—132.
- Keil, Henry P., to The Fixture Hardware Corp. 2,722,886, Cl. 101—132.5.
- Keil, Theodore R.: *See—*  
Britton, Edgar C., and Keil. 2,725,402.  
Britton, Edgar C., and Keil. 2,725,405.
- Keil, Werner: *See—*  
Grimme, Walter, Keil, and Schmitz. 2,701,796.
- Keilholz, Otto J. 2,707,583, Cl. 224—26.
- Keily, Vincent C., and A. J. Smith, to The Orr Felt and Blanket Co. 2,722,951, Cl. 139—410.
- Keim, Charles J., and M. L. Rizzzone, to United States Steel Corp. 2,703,161, Cl. 192—4.
- Keim, Charles J., and M. L. Rizzzone, to United States Steel Corp. 2,703,162, Cl. 192—12.
- Keim, Jonathan R., and A. Arrott, to Minneapolis-Honeywell Regulator Co. 2,701,270, Cl. 136—4.
- Keim, Melville. 2,699,336, Cl. 273—136.
- Keiper, Edwin H., to Bath Iron Works Corp. 2,710,150, Cl. 241—91.
- Keiper, Francis P. 2,707,729, Cl. 179—100.2.
- Keirse, Robert. 2,700,957, Cl. 119—103.
- Keiser, Alvin F., to "Straba" Handels-Aktiengesellschaft. 2,714,528, Cl. 299—58.
- Keiser, Bernhard: *See—*  
De Groote, Melvin, and Keiser. 2,723,250.  
De Groote, Melvin, and Keiser. 2,723,251.  
De Groote, Melvin, and Keiser. 2,723,252.
- Keiser, David H., Jr. 2,720,024, Cl. 30—248.
- Keith, Frank H.: *See—*  
Keith, Henry I. 2,706,580.  
Keith, Henry I. 2,706,583.  
Keith, Henry I. 2,725,061.
- Keith, Geo. E., Co.: *See—*  
Belyea, Fred. 2,721,401.
- Keith, Henry I., to F. H. Keith. 2,706,580, Cl. 222—117.
- Keith, Henry I., to F. H. Keith. 2,706,583, Cl. 222—227.
- Keith, Henry I., to F. H. Keith. 2,725,061, Cl. 132—79.
- Keith, Homer C. 2,711,699, Cl. 105—409.
- Keith, James F.: *See—*  
Barnes, Robert R., Keith, and Robinson. 2,728,131.
- Keith, Jason D. 2,712,258, Cl. 81—63.
- Keith, Percival C., to Hydrocarbon Research, Inc. 2,702,267, Cl. 196—52.
- Keith, Percival C., to Hydrocarbon Research, Inc. 2,707,700, Cl. 196—36.
- Keith, Percival C., to The M. W. Kellogg Co. 2,714,126, Cl. 260—679.
- Keith, Robert H., and C. L. Mershon, to Westinghouse Electric Corp. 2,717,318, Cl. 307—51.
- Keithley, Joseph F., and M. L. Sands. 2,715,717, Cl. 340—4.
- Keithley, Walter A.,  $\frac{1}{4}$  to R. Grey and  $\frac{1}{4}$  to C. B. Brown. 2,708,449, Cl. 137—359.



- Keithly, Richard R., to Minnesota Mining & Mfg. Co. 2,703,772, Cl. 154—96.  
 Keizer, Eugene O.: *See*  
   Kroger, Marlin G., and Keizer. 2,699,463.  
 Kelbel, Donald W., to Borg-Warner Corp. 2,706,419, Cl. 74—763.  
 Kelco Co.: *See*—  
   Steiner, Arnold B. 2,699,135.  
 Keleket X-Ray Corp.: *See*—  
   Haupt, Walter H. 2,722,611.  
   Haupt, Walter H., and Schepker. 2,709,221.  
 Kellem, Howard. 2,716,751, Cl. 1—215.  
 Kelemen, Frank K., and R. A. Taylor, to KSM Products, Inc. 2,708,129, Cl. 287—20.2.  
 Kelham, Charles J., to United Shoe Machinery Corp. 2,715,301, Cl. 51—137.  
 Kelite Products, Inc.: *See*—  
   McDonald, Louis, and Hawley. 2,710,792.  
   Miller, Daniel E. 2,715,059.  
 Kell, Clement W., and T. W. Podgajny, to General Steel Castings Corp. 2,713,948, Cl. 213—1.  
 Kellems, Edgar E. 2,708,792, Cl. 33—93.  
 Kellenbarger, Martin W. 2,718,374, Cl. 254—17.  
 Keller, Arthur M., to Mason-Keller Corp. 2,712,717, Cl. 53—10.5.  
 Keller-Benz, Hans: *See*—  
   Keller, Jean. 2,725,578.  
 Keller, Bernhard. 2,707,774, Cl. 339—198.  
 Keller, Clarence J.: *See*—  
   White, Joe, and Keller. 2,700,761.  
 Keller, Clarence J., and J. White, to General Motors Corp. 2,724,757, Cl. 200—166.  
 Keller, Curt, and F. Salzmann, to Escher Wyss Aktiengesellschaft. 2,708,883, Cl. 103—108.  
 Keller-Erne, Lina: *See*—  
   Keller, Jean. 2,725,578.  
 Keller, Ernst: *See*—  
   Zweidler, Reinhard, and Keller. 2,713,057.  
 Keller, Ernst, to J. R. Geigy S. A. 2,705,708, Cl. 260—187.  
 Keller, Ernst, to J. R. Geigy A. G. 2,714,588, Cl. 260—148.  
 Keller, Harry. 2,716,928, Cl. 93—58.5.  
 Keller, Harry. 2,722,166, Cl. 93—41.  
 Keller, Jean, deceased; L. Keller-Erne, H. Keller-Benz, and H. Hauser-Keller, heirs of said J. Keller. 2,725,578, Cl. 4—185.  
 Keller, Joseph. 2,725,765, Cl. 76—104.  
 Keller, Orville C. 2,725,267, Cl. 309—17.  
 Keller, Philip B., and F. B. Bolte, to Martool, Inc. Re. 23,939, Cl. 153—21.  
 Keller, Rudolf, E. Keyssner, and P. Pfaff, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,702,300, Cl. 260—465.3.  
 Keller, Russell J., to The B. F. Goodrich Co. 2,720,288, Cl. 188—152.  
 Keller, Siegfried, to Machine Tool Works Oerlikon, Administration Co. 2,714,534, Cl. 303—38.  
 Kellermann, Willy. 2,716,842, Cl. 46—208.  
 Kellett, Leo L. 2,703,898, Cl. 15—121.3.  
 Kelley, Alvie E., to Kelley Industries, Inc. 2,706,426, Cl. 82—19.  
 Kelley, Bert R. 2,711,525, Cl. 340—52.  
 Kelley, Cecil S., to Westinghouse Air Brake Co. 2,728,422, Cl. 188—264.  
 Kelley, Charles K. 2,722,695, Cl. 7—8.1.  
 Kelley, Gilbert A., and H. E. Rahm, to Surface Combustion Corp. 2,700,536, Cl. 261—3.  
 Kelley, Horace A.: *See*—  
   Doherty, William A., and Kelley. 2,725,085.  
 Kelley Industries, Inc.: *See*—  
   Kelley, Alvie E. 2,706,426.  
 Kelley, John F.: *See*—  
   Schieser, Warren J., Kelley, White, and Hoffman. 2,726,061.  
 Kelley Island Co.: *See*—  
   Dickey, Ralph L. 2,702,753.  
 Kelley, Oliver K., to General Motors Corp. 2,727,360, Cl. 60—54.  
 Kellicott, George A. 2,699,891, Cl. 226—48.  
 Kellman, Joseph, and F. M. Rasi, to Globe Auto Glass Co. 2,698,753, Cl. 268—127.  
 Kellogg Co.: *See*—  
   Hirsch, Henry and B. L. 2,712,710.  
   Poole, Richard S. 2,704,723.  
   Smith, Harold J., and Uldriks. 2,698,698.  
 Kellogg, Donald S., and R. Walker, to The W. L. Maxson Corp. 2,716,520, Cl. 235—61.  
 Kellogg, George W., to General Motors Corp. 2,702,794, Cl. 252—329.  
 Kellogg, M. W., Co., The: *See*—  
   Birnbaum, Arnold. 2,717,744.  
   Conner, Rex C. 2,706,715.  
   Dittman, Albert L., and Wrightson. 2,705,706.  
   Frank, Sidney M., and Barry. 2,706,708.  
   Hanford, William E. 2,717,200.  
   Hetherington, Alexander C. 2,717,023.  
   Holzwarth, Hans T. 2,707,919.  
   Holzwarth, Hans T. 2,710,580.  
   Jelinek, Ulrich. 2,717,024.  
   Jelinek, Ulrich. 2,717,025.  
   Jewell, Joseph W., and Johnson. 2,717,867.  
   Keith, Percival C. 2,714,126.  
   Lauer, George G. 2,700,052.  
   McGrath, Henry G. 2,700,676.  
   McGrath, Henry G., and Hill. 2,699,988.  
   Kellogg, M. W., Co., The: *See*—Continued.  
   McGrath, Henry G., and Rubin. 2,728,786.  
   Palmer, George H., and Alexander. 2,713,590.  
   Passino, Herbert J. 2,717,201.  
   Passino, Herbert J. 2,728,707.  
   Riblett, Earl W., and McGrath. 2,702,814.  
   Rubin, Louis C. 2,724,672.  
   Skelly, Joseph F., and Stiles. 2,716,592.  
   Thompson, Elliott R. 2,722,948.  
   Zucrow, Maurice J. 2,708,341.  
 Kellogg, Spencer, II: *See*—  
   Depp, Marlin C., and Kellogg. 2,700,745.  
 Kellogg, Spencer, 2nd, to The Sperry Corp. 2,699,612, Cl. 33—222.  
 Kellogg, W. K., Foundation: *See*—  
   Frank, Wallace E., Schick, and Kreier. 2,720,136.  
 Kellogg, William D., to American Viscose Corp. 2,715,811, Cl. 57—58.84.  
 Kellstrom, Milton. 2,726,757, Cl. 206—0.84.  
 Kelly, Augustus O. 2,702,095, Cl. 187—10.  
 Kelly, Bernard J., and F. G. Mayer, to Congoleum-Nairn Inc. 2,722,265, Cl. 154—25.  
 Kelly, Daniel F.: *See*—  
   Cranston, Hoy A. 2,727,066.  
 Kelly, Donald H., to Technicolor Motion Picture Corp. 2,703,506, Cl. 88—24.  
 Kelly, Donald H., and E. M. Thayer, to Technicolor Motion Picture Corp. 2,723,821, Cl. 248—179.  
 Kelly, Earl M., to Process Engineers Inc. 2,727,785, Cl. 299—69.  
 Kelly, Earl M., and A. M. Kivari, to Process Engineers Inc. 2,713,026, Cl. 210—3.  
 Kelly, Edmund P.: *See*—  
   Sale, William H. 2,704,217.  
 Kelly, Edwin E. 2,714,042, Cl. 301—47.  
 Kelly, Elizabeth L.: *See*—  
   Kelly, Victor L. and E. L. 2,711,738.  
 Kelly, Ernest L. 2,712,139, Cl. 9—21.  
 Kelly, Frank J. 2,703,411, Cl. 5—18.  
 Kelly, Garrett J. 2,719,972, Cl. 2—8.  
 Kelly, George M., and C. M. Leatherman, deceased (by M. Leatherman, administratrix), to Douglas Mfg. Co. 2,709,273, Cl. 15—344.  
 Kelly, Gerard W. 2,724,910, Cl. 35—9.  
 Kelly, Gordon E.: *See*—  
   Stark, John, Jr., and Kelly. 2,725,422.  
 Kelly, James R. 2,711,068, Cl. 58—105.  
 Kelly, Joe T.: *See*—  
   Gordon, Leon B., and Kelly. 2,713,571.  
 Kelly, John C. R., Jr., to Westinghouse Electric Corp. 2,702,739, Cl. 23—140.  
 Kelly, Lawrence H.: *See*—  
   MacDonald, Leslie A., and Kelly. 2,715,191.  
 Kelly, Lawrence H., to American District Telegraph Company. 2,715,192, Cl. 310—26.  
 Kelly, Leo J., Jr.: *See*—  
   Kelly, Leo J., Sr. and L. J., Jr. 2,723,128.  
 Kelly, Leo J., Sr. and L. J., Jr. 2,723,128, Cl. 280—1.202.  
 Kelly, Paul V.: *See*—  
   Palo, Maurice, and Kelly. 2,702,317.  
 Kelly, Robert J. 2,728,073, Cl. 340—282.  
 Kelly, Roger F.: *See*—  
   Sinski, Henry A., and Kelly. 2,706,910.  
 Kelly, Victor L. and E. L. 2,711,738, Cl. 128—314.  
 Kelly, Walter W., to Food Machinery and Chemical Corp. 2,710,636, Cl. 146—18.  
 Kelly, William D. 2,720,784, Cl. 73—290.  
 Kelly, William D. 2,722,678, Cl. 340—244.  
 Kelly, William D. 2,728,070, Cl. 340—244.  
 Kelsey-Hayes Wheel Co.: *See*—  
   Sinclair, Charles W. 2,701,628.  
   Underwood, Ivan L., and Sulga. 2,701,399.  
 Kelsey, William H. 2,699,872, Cl. 210—199.  
 Kelsey, William H. 2,718,353, Cl. 233—3.  
 Kelsh, Harry T., to The Kelsh Instrument Co., Inc. 2,727,432, Cl. 88—24.  
 Kelsh Instrument Co., Inc., The: *See*—  
   Kelsh, Harry T. 2,727,432.  
 Kelso, John W., to United States Steel Corp. 2,699,697, Cl. 80—1.  
 Kelson, Malcolm J., Sr. 2,715,447, Cl. 170—160.48.  
 Kelton, Frank C., to Core Laboratories Inc. 2,713,789, Cl. 73—38.  
 Kelvin & Hughes Ltd.: *See*—  
   Jones, Cyril C. 2,726,547.  
 Kemart Corp.: *See*—  
   Holsapple, Harvey T. 2,726,200.  
 Kemisk Vaerk Koge A/S: *See*—  
   Baunsgaard, Arne C., and Knudsen. 2,713,005.  
   Clausen-Kaas, Niels K. F. W. 2,709,703.  
   Clausen-Kaas, Niels K. F. W. 2,726,250.  
 Kemmerer, Ralph R., to Westinghouse Air Brake Co. 2,719,909, Cl. 246—34.  
 Kemp, Alton L., and A. L. Kane. 2,707,929, Cl. 114—208.  
 Kemp, C. M., Mfg. Co., The: *See*—  
   Hanson, Hartwig M. 2,716,419.  
 Kemp, Clifford B.: *See*—  
   Mills, Victor, Stromberg, and Kemp. 2,712,529.  
 Kemp, E. F., Corp.: *See*—  
   Gauvreau, Joseph E. 2,721,019.  
 Kemp, James O. 2,726,420, Cl. 16—87.  
 Kempe, Robert A.: *See*—  
   Wainer, Eugene, and Kempe. 2,711,973.  
   Wainer, Eugene, and Kempe. 2,711,975.



- Kemper, Walter O. 2,716,940, Cl. 101—6.  
 Kempter, Joseph C., to Le-Febure Corp. 2,728,621, Cl. 311—39.  
 Kempfner, Frank: *See—*  
 Pica, Daniel. 2,727,679.  
 Kempton, Henry F. 2,711,190, Cl. 147—561.  
 Kempton, Marvin L., to the United States of America as represented by the Secretary of the Navy. 2,721,071, Cl. 264—1.  
 Kenaga, Duane L., and A. J. Erbel, to The Dow Chemical Co. 2,725,311, Cl. 117—136.  
 Kenaga, Eugene E., to The Dow Chemical Co. 2,705,212, Cl. 167—30.  
 Kenaga, Eugene E., to The Dow Chemical Co. 2,705,213, Cl. 167—30.  
 Kenco Products Corp.: *See—*  
 Steele, Vernon P. 2,710,119.  
 Kendall, Charles O., to Becton, Dickinson and Co. 2,720,969, Cl. 206—78.  
 Kendall Co., The: *See—*  
 Burks, Dana, Jr. 2,709,141.  
 Dangel, Phoenix N., and Knohl. 2,713,359.  
 Dangel, Phoenix N., and Taylor. 2,713,361.  
 Mott, Carl W. 2,709,836.  
 Mott, Carl W. 2,716,259.  
 Mott, Carl W. 2,716,408.  
 Reymes-Cole, Bernard T. R., D. N. R., and J. M. R. 2,703,970.  
 Reymes-Cole, Bernard T. R., D. N. R., and J. M. R. 2,703,972.  
 Kendall Corp., The: *See—*  
 Howell, Richard B. 2,711,636.  
 Wells, Greek. 2,711,637.  
 Kendall, Fred E., and J. R. Kusa, to Steel Ceilings, Inc. 2,726,175, Cl. 117—113.  
 Kendall, George A., and A. W. Chriscaden, to Wickes Bros., a division of The Wickes Corp. 2,704,955, Cl. 82—2.5.  
 Kendall, George A., and A. W. Chriscaden, to Wickes Bros., a Division of The Wickes Corp. 2,718,168, Cl. 82—39.  
 Kendall, Harold M., to N. A. Kendall. 2,726,779, Cl. 214—312.  
 Kendall, James M., to the United States of America as represented by the Secretary of the Navy. 2,700,305, Cl. 73—147.  
 Kendall, John D., and G. F. Duffin, to Ilford Ltd. 2,704,755, Cl. 260—240.1.  
 Kendall, John D., and G. F. Duffin, to Ilford Ltd. 2,704,762, Cl. 260—310.  
 Kendall, John D., and D. J. Fry, to Ilford Ltd. 2,705,234, Cl. 260—240.5.  
 Kendall, John D., G. F. Duffin, and T. F. W. Lawrence, to Ilford Ltd. 2,705,713, Cl. 260—240.4.  
 Kendall, John D., and G. F. Duffin, to Ilford Ltd. 2,726,248, Cl. 260—310.  
 Kendall, Myron A., and A. D. Sindén, to Stephens-Adamson Mfg. Co. 2,701,049, Cl. 198—127.  
 Kendall, Nordica A.: *See—*  
 Kendall, Harold M. 2,726,779.  
 Kendall Refining Co.: *See—*  
 Lawrence, Franklin I. L., Smith, and Pohorilla. 2,721,121.  
 Lawrence, Franklin I. L., Smith, and Pohorilla. 2,721,180.  
 Lawrence, Franklin I. L., Smith, and Pohorilla. 2,721,181.  
 Kendall, Ronald, and W. S. Hinde,  $\frac{1}{8}$  to James Burness & Sons Ltd., Lloyds Bank Ltd., and R. T. S. Hinde, executors. 2,699,746, Cl. 114—72.  
 Kendall, W. H.: *See—*  
 Sorensen, Clarence T. 2,709,575.  
 Kendall, William B., to Eastman Kodak Co. 2,725,296, Cl. 95—8.  
 Kendzia, Norbert A. 2,701,144, Cl. 280—150.  
 Kenedy, Frank J. 2,703,004, Cl. 72—36.  
 Kengen, Johannes R.: *See—*  
 Neutelings, Willem, and Kengen. 2,724,348.  
 Kenigsberg, Alexander H. 2,705,871, Cl. 61—25.  
 Kenimer, Loy F. 2,716,775, Cl. 16—138.  
 Kenline, Frederick J., to Lake Erie Engineering Corp. 2,712,168, Cl. 25—45.  
 Kenmore, Herbert: *See—*  
 Manson, Walter J., and Kenmore. 2,708,445.  
 Kennametal Inc.: *See—*  
 Redmond, John C., and Graham. 2,711,009.  
 Kennan, James F. 2,711,337, Cl. 294—33.  
 Kennard, Jarman G., to the United States of America as represented by the Secretary of the Army. 2,707,086, Cl. 244—122.  
 Kennard, Rollin J.: *See—*  
 Tretheway, William J., Kennard, and Buker. 2,721,364.  
 Kennatrack Corp.: *See—*  
 Johnson, Leonard E., Jr. 2,723,148.  
 Kennecott Copper Corp.: *See—*  
 Croft, Harry P. 2,721,797.  
 Glasser, Julian. 2,706,153.  
 Glasser, Julian, and Hampel. 2,703,752.  
 Zimmerley, Stuart R., and Wilson. 2,724,500.  
 Kennedy, Benjamin H. 2,718,642, Cl. 4—177.  
 Kennedy, Benjamin H. 2,719,983, Cl. 4—177.  
 Kennedy, Bert. 2,703,887, Cl. 2—167.  
 Kennedy, Bert. 2,708,753, Cl. 2—159.  
 Kennedy, Bert. 2,710,970, Cl. 2—159.  
 Kennedy, D. S., & Co., The: *See—*  
 Kennedy, Donald S. 2,720,405.  
 Kennedy, Dewey M. 2,724,839, Cl. 4—177.  
 Kennedy, Donald S., to The D. S. Kennedy & Co. 2,720,405, Cl. 287—2.  
 Kennedy, Edward P., to the United States of America as represented by the Secretary of the Army. 2,721,738, Cl. 271—2.3.  
 Kennedy, Eugene P. 2,713,366, Cl. 146—16.  
 Kennedy, Eugene P. 2,722,252, Cl. 146—12.  
 Kennedy, Frank J. 2,707,629, Cl. 263—7.  
 Kennedy, Freeman W., to Malleable Iron Fittings Co. 2,704,586, Cl. 189—33.  
 Kennedy, George E., to Gregory Industries, Inc. 2,718,579, Cl. 219—4.  
 Kennedy, Gilbert J., to Philco Corp. 2,720,117, Cl. 74—10.7.  
 Kennedy, Gordon T., deceased, by H. M. and J. F. Kennedy, administratrices, to Monsanto Chemicals Ltd. 2,702,273, Cl. 204—158.  
 Kennedy, Helen M.: *See—*  
 Kennedy, Gordon T. 2,702,273.  
 Kennedy, James A.: *See—*  
 Lekas, John P. 2,705,639.  
 Kennedy, Jean F.: *See—*  
 Kennedy, Gordon T. 2,702,273.  
 Kennedy, John P. 2,718,323, Cl. 215—40.  
 Kennedy, Joseph E. 2,711,858, Cl. 241—202.  
 Kennedy, Joseph E. 2,712,902, Cl. 241—48.  
 Kennedy, Merritt T., Jr., and L. F. De Wald, to Pyrate Sales, Inc. 2,714,080, Cl. 134—24.  
 Kennedy, Robert M., to Sun Oil Co. 2,724,728, Cl. 260—614.  
 Kennedy, Roy J. 2,711,291, Cl. 242—7.  
 Kennedy, Ted, to The Trenton Corp. 2,713,383, Cl. 154—41.  
 Kennedy, Ted, to The Trenton Corp. 2,713,551, Cl. 154—52.  
 Kennedy, Vernal K.: *See—*  
 Clark, Kenneth A., Sr., and Kennedy. 2,724,420.  
 Kennedy, Verne C., Jr., to Streeter-Amet Co. 2,725,275, Cl. 346—9.  
 Kennedy, Walter W., to Barber-Colman Co. 2,715,867, Cl. 98—40.  
 Kennedy, William L.: *See—*  
 Urry, Lewis F., Kennedy, and Brown. 2,707,200.  
 Kennette, Heath O., and J. K. Summer, to Chicopee Mfg. Corp. 2,698,671, Cl. 183—51.  
 Kenneway, Harold J., Jr.: *See—*  
 Sullivan, James E., and Kenneway. 2,700,619.  
 Kenney, Charles F. 2,720,657, Cl. 4—57.  
 Kenney, James T. 2,709,540, Cl. 222—126.  
 Kenney, Joseph F., to Remington Arms Co., Inc. 2,702,745, Cl. 52—4.  
 Kenney, Joseph F., to Remington Arms Co., Inc. 2,702,746, Cl. 52—4.  
 Kenney, Joseph F., to Remington Arms Co., Inc. 2,728,760, Cl. 260—140.  
 Kenney, Joseph, Jr., to Westinghouse Electric Corp. 2,724,621, Cl. 308—62.  
 Kennison, Adrian B., and H. F. Zoller, to Ethicon Suture Laboratories Inc. 2,702,627, Cl. 206—63.3.  
 Kennison, Hugh F., to Lock Joint Pipe Co. 2,707,003, Cl. 138—80.  
 Kennison, Hugh F., to Lock Joint Pipe Co. 2,722,438, Cl. 285—163.  
 Kennison, Hugh F., and F. E. Seaman, to Lock Joint Pipe Co. 2,724,886, Cl. 25—30.  
 Kenny, Herman C., and H. A. Abramson, to Calumet & Hecla, Inc. 2,727,818, Cl. 75—103.  
 Kenny, Herman C., and H. A. Abramson, to Calumet & Hecla, Inc. 2,727,819, Cl. 75—103.  
 Kenny, Joseph P. 2,706,350, Cl. 36—2.5.  
 Kenosha Auto Transport Corp.: *See—*  
 Jacobs, Thomas F. 2,705,081.  
 Jacobs, Thomas F. 2,719,731.  
 Kent Co., Inc., The: *See—*  
 Kent, Moss A., and Yutzler. 2,719,596.  
 Kent, Francis J., to Hydropress, Inc. 2,707,388, Cl. 73—37.  
 Kent, Francis J., to Hydropress, Inc. 2,713,418, Cl. 207—9.  
 Kent, George, Ltd.: *See—*  
 Dall, Horace E. 2,704,555.  
 Norman, Samuel J. 2,709,125.  
 Kent, George R., H. A. Kriha, and F. W. Seelert, to Colwell Litho Products Inc. 2,719,745, Cl. 292—112.  
 Kent, Henry J., to Kearfott Co., Inc. 2,707,882, Cl. 74—5.4.  
 Kent, Howard. 2,701,432, Cl. 51—217.  
 Kent, Milo R.: *See—*  
 Stevens, Milton J. 2,699,622.  
 Kent-Moore Organization, Inc.: *See—*  
 Pyciak, Roman J. 2,720,057.  
 Kent, Moss A. 2,715,452, Cl. 183—37.  
 Kent, Moss A., and F. W. Yutzler, to The Kent Co., Inc. 2,719,596, Cl. 183—37.  
 Kent Plastics Corp.: *See—*  
 Haase, Lawrence H. 2,719,627.  
 Kent, Raymond C., Jr. 2,721,913, Cl. 200—83.  
 Kent, Raymond C., Jr., and R. G. Daudelin, to the United States of America as represented by the Secretary of the Navy. 2,716,957, Cl. 114—23.  
 Kentish, Reginald N. 2,705,897, Cl. 81—58.2.  
 Kentz, Fred E. 2,706,556, Cl. 209—49.  
 Kenway, Reginald G.: *See—*  
 Sawyer, Marshall W., and Kenway. 2,703,346.  
 Sawyer, Marshall W., Wilson, Kenway, and Overholser. 2,712,210.  
 Kenyon, David E., to Sperry Rand Corp. 2,721,952, Cl. 313—348.  
 Kenyon Instrument Co., Inc.: *See—*  
 Tuttle, Clifton M. 2,727,446.



- Kenyon, Robert C., to Lewin-Mathes Co. 2,709,285, Cl. 22—112.
- Kenyon, Roger B., to Eastman Kodak Company. 2,714,745, Cl. 18—15.
- Kenyon, William O.: *See*—  
Minsk, Louis M., and Kenyon. 2,710,801.  
Reynolds, Delbert D., and Kenyon. 2,701,243.
- Kenyon, William O., G. P. Waugh, and C. C. Unruh, to Eastman Kodak Co. 2,713,570, Cl. 260—63.
- Keogh, Daniel J., to Price's Patent Candle Co. Ltd. 2,698,969, Cl. 18—59.
- Keogh-Dwyer, Walter C. 2,722,021, Cl. 9—21.
- Keophart, John W., Jr. 2,710,703, Cl. 217—12.
- Kepka, Frank, and J. A. H. Barkeij. 2,714,858, Cl. 103—136.
- Kepkay, Leslie L.: *See*—  
Newhouse, Frank J., and Kepkay. 2,708,396.  
Newhouse, Frank J., and Kepkay. 2,720,930.
- Keppler, John F., and W. J. Barton. 2,705,839, Cl. 33—172.
- Keppler, John F., and W. J. Barton. 2,705,840, Cl. 33—172.
- Kerag, Kesselschmiede, Apparate- und Maschinenbau: *See*—  
Prett, Konrad. 2,710,577.
- Kerby, Kenneth K., and W. G. May, to Esso Research and Engineering Co. 2,719,112, Cl. 196—52.
- Kercher, Arthur J.,  $\frac{1}{2}$  to W. W. Hicks. 2,713,099, Cl. 200—137.
- Kercher, Arthur J.,  $\frac{1}{2}$  to W. W. Hicks. 2,713,100, Cl. 200—139.
- Kerker, William C.: *See*—  
Shill, Joseph, and Kerker. 2,704,918.
- Kerler, Ernest A., to E. D. Coddington Mfg. Co. 2,720,377, Cl. 249—17.
- Kern, Emil, to Schweiz. Sprengstoff-Fabrik A.-G. 2,726,151, Cl. 75—5.
- Kern, Max. 2,728,178, Cl. 53—136.
- Kern, Rudolf, to Rhein-Chemie G. m. b. H. 2,724,009, Cl. 260—761.
- Kern, Rudolf, and W. Pauen. 2,705,348, Cl. 19—131.
- Kern, Walter: *See*—  
Grelat, Maurice, and Kern. 2,702,294.  
Grossmann, Paul, and Kern. 2,715,128.  
Jenny, Walter, and Kern. 2,709,168.  
Jenny, Walter, and Kern. 2,720,533.
- Kernen, Kenneth C., R. H. Mitchel, and R. E. Schwyn, to General Motors Corp. 2,711,520, Cl. 339—100.
- Kernen, Kenneth C., R. H. Mitchel, and R. E. Schwyn, to General Motors Corp. 2,719,278, Cl. 339—100.
- Kerner, Charles W., to Universal Oil Products Co. 2,711,992, Cl. 202—160.
- Kerny, Philippe: *See*—  
Beas, Bernard, and Kerny. 2,726,984.
- Keroes, Herbert I.: *See*—  
Hafler, David, and Keroes. 2,710,312.
- Kerr, Alexander F.: *See*—  
Johnson, Ralph E., and Kerr. 2,713,838.
- Kerr, Charles E., and R. K. Galloway, to Food Machinery and Chemical Corp. 2,710,089, Cl. 198—30.
- Kerr, Frances M.: *See*—  
Grocock, Edith, and Kerr. 2,700,767.
- Kerr, James G. 2,719,735, Cl. 282—24.
- Kerr, Kathel B., and A. W. Walde, to Dr. Salsbury's Laboratories. 2,702,775, Cl. 167—53.
- Kerr, Kathel B., and A. W. Walde, to Dr. Salsbury's Laboratories. 2,702,776, Cl. 167—53.
- Kerr, Kathel B., and A. W. Walde, to Dr. Salsbury's Laboratories. 2,702,777, Cl. 167—53.
- Kerr, Kathel B., and A. W. Walde, to Dr. Salsbury's Laboratories. 2,702,778, Cl. 167—53.
- Kerr, Nora J. 2,708,524, Cl. 211—150.
- Kerr, Ralph W., and W. J. Katzbeck, to Corn Products Refining Co. Re. 23,952, Cl. 106—213.
- Kerr, Robert A., to Northern Electric Co. Ltd. 2,706,376, Cl. 57—6.
- Kerr, Roger B.: *See*—  
Worth, Thomas F., and Kerr. 2,707,756.
- Kerr, Roy M.: *See*—  
Palik, Donald R. 2,720,125.
- Kerr, Thomas A., to General Electric Co. 2,708,234, Cl. 219—46.
- Kerr, Wallace E. 2,726,756, Cl. 205—4.
- Kershaw, Cornelius W.,  $\frac{3}{8}$  to D. E. Kershaw. 2,710,454, Cl. 33—174.
- Kershaw, Doris E.: *See*—  
Kershaw, Cornelius W. 2,710,454.
- Kershner, Osborn A., to Lambert Brake Corp. 2,728,429, Cl. 192—32.
- Kershner, Osborn A., and D. Parrett, to Lambert Brake Corp. 2,720,943, Cl. 188—72.
- Kersten, Herbert H. 2,722,266, Cl. 155—1.
- Kersten, Herbert H. 2,728,216, Cl. 72—29.
- Kersten, Paul M. 2,721,891, Cl. 174—158.
- Kerwin, Leonard D. 2,703,245, Cl. 281—44.
- Kesel, Robert E., and H. T. Robinson, to Eastman Kodak Co. 2,725,004, Cl. 95—31.
- Keskitalo, Helen. 2,710,708, Cl. 222—187.
- Kesler, Herman. 2,724,123, Cl. 4—172.
- Kesler, Herman, and B. S. Morris, to American Metal Specialties Corp. 2,724,531, Cl. 223—30.
- Kesling, Keith K., to General Motors Corp. 2,700,197, Cl. 20—69.
- Kesselring, Fritz, to FKG Fritz Kesselring Geratebau A. G., Bachtobel-Weinfeld. 2,727,114, Cl. 200—166.
- Kessenich, Gregory J. 2,706,949, Cl. 102—24.
- Kessler, Charles A.: *See*—  
Ritter, Herman, and Kessler. 2,715,553.
- Kessler Chemical Co., Inc.: *See*—  
Logan, Roger L. 2,727,916.
- Kessler, Frank, to Stromberg-Carlson Co. 2,704,308, Cl. 179—84.
- Kessler, Frank, to Stromberg-Carlson Co. 2,706,747, Cl. 179—17.
- Kessler, Frank, to Stromberg-Carlson Co. 2,710,311, Cl. 179—84.
- Kessler, Frank, and W. W. Pharis, to General Dynamics Corp. 2,726,284, Cl. 179—18.
- Kessler, George W.: *See*—  
Hardesty, Robert A., and Kessler. 2,721,701.
- Kessler, George W., to General Electric Co. 2,702,692, Cl. 259—1.
- Kessler, Jacob M.: *See*—  
Greco, Charles C., Ruffolo, and Kessler. 2,721,011.
- Kessler, Harry C., Jr. 2,711,031, Cl. 33—184.5.
- Kessler, Milton. 2,714,525, Cl. 296—107.
- Kessler, Mitchell. 2,711,847, Cl. 223—30.
- Kessler, Wilbur, to Detroit Stoker Co. 2,725,021, Cl. 110—40.
- Kestell, Thomas A., to United Shoe Machinery Corp. 2,720,666, Cl. 12—36.
- Kester, Arnold A.: *See*—  
Swipp, Stanley W., Koepfer, Kester, and Olson. 2,720,818.
- Ketchledge, Raymond W., to Bell Telephone Laboratories, Inc. 2,719,270, Cl. 333—16.
- Ketchledge, Raymond W., to Bell Telephone Laboratories, Inc. 2,726,074, Cl. 264—1.
- Ketchpel Engineering Co.: *See*—  
Ketchpel, Paul A. 2,700,855.
- Ketchpel, Paul A., to Ketchpel Engineering Co. 2,700,855, Cl. 53—94.
- Ketchum, Art L.: *See*—  
Hopkins, Roscoe B. 2,717,152.
- Ketler, Lester K., to Inland Container Corp. 2,726,803, Cl. 229—5.5.
- Ketiler, Alfred H.: *See*—  
Touger, Martin L., and Kettler. 2,714,134.
- Kettler, Alfred H., and M. E. Hawley, to Radio Corp. of America. 2,699,473, Cl. 179—115.5.
- Kettler, Wilfred A. 2,699,137, Cl. 115—25.
- Keuffel & Esser Co.: *See*—  
Anderson, Robert W. 2,720,030.
- Kevorkian, Joseph D. 2,717,308, Cl. 240—102.
- Kewanee Machinery & Conveyor Co.: *See*—  
Fulper, John H. 2,704,920.  
Fulper, John H. 2,710,090.
- Kewaunee Mfg. Co.: *See*—  
Nelson, Laurence N. 2,702,505.
- Key Corp. of America: *See*—  
Mark, Manny and B. 2,699,667.
- Key, Harold C.: *See*—  
Allen, Everett L., and Key. 2,719,657.
- Key, John. 2,706,552, Cl. 198—134.
- Keydel, Paul F.: *See*—  
Burrell, Frank C., Haigh, and Keydel. 2,713,333.
- Keydel, Paul F., to General Motors Corp. 2,713,857, Cl. 123—122.
- Keyes, Edward N. 2,725,086, Cl. 145—61.
- Keyes Fibre Co.: *See*—  
Despres, Urban H. 2,704,600.  
Harper, Fred C. 2,698,557.  
Randall, Walter H. 2,704,493.
- Keyes, Frederick G., to Arthur D. Little, Inc. 2,722,105, Cl. 62—1.
- Keyes, Grafton H.: *See*—  
Herz, Arthur H., and Keyes. 2,719,088.
- Keylwert, Johann, to Klockner-Humboldt-Deutz Aktiengesellschaft. 2,702,534, Cl. 123—41.86.
- Keyser, Johann J. 2,709,258, Cl. 2—65.
- Keyssner, Ernst: *See*—  
Keller, Rudolf, Keyssner, and Pfaff. 2,702,300.
- Keystone Alloys Co.: *See*—  
Zappone, John B. and C. F., and Svetahor. 2,728,117.
- Keystone View Co.: *See*—  
Alexander, Henry S. 2,717,529.
- Keytay Instrument Co.: *See*—  
Harris, Lawrence. 2,710,396.
- Kibort, Vincetta: *See*—  
Pines, Herman, and Ipatieff. 2,721,885.  
Pines, Herman, and Ipatieff. 2,721,886.  
Pines, Herman, and Ipatieff. 2,721,887.
- Kice, Jack W., to The Coleman Co., Inc. 2,705,973, Cl. 138—39.
- Kidde Mfg. Co., Inc.: *See*—  
Noe, Harold C. 2,699,051.  
Noe, Harold C. 2,699,053.  
Sollmann, Carl H. 2,707,957.
- Kiddy Case Mfg. Co., Inc.: *See*—  
Greenberg, Norman and W. S. 2,704,736.
- Kiebert, Coe H. V. 2,718,781, Cl. 73—66.
- Kiebert, Martin V., Jr.: *See*—  
Roberts, George A., Grosser, and Kiebert. 2,719,284.
- Kiebler, Myron W., Jr., A. Zier, and E. B. Euchner, to The Glidden Co. 2,717,882, Cl. 260—22.
- Kiefer, Karl, Machine Co., The: *See*—  
Fechheimer, Paul R. 2,710,127.  
Fechheimer, Paul R., Boing, and Frederick. 2,725,138.
- Kiefer, William G. 2,703,060, Cl. 108—16.
- Kiehl, Howard C. 2,707,936, Cl. 119—26.
- Kiekhaefer Corp.: *See*—  
Conroy, Robert P., Jr., and Fisher. 2,722,208.  
Jensen, Merrill W. 2,725,212.  
Knuth, Carl. 2,719,001.



- Kiekhaefer, Elmer C. 2,699,764, Cl. 123—41.6.  
 Kiekhaefer, Elmer C. 2,706,972, Cl. 123—73.  
 Kiekhaefer, Elmer C. 2,718,792, Cl. 74—378.  
 Kiekhaefer, Elmer C. 2,718,866, Cl. 115—18.  
 Kiekhaefer, Elmer C. 2,718,908, Cl. 143—32.  
 Kiekhaefer, Elmer C. 2,722,304, Cl. 192—113.  
 Kiel, Heinrich J., and G. H. Granrath, to Kortenbach & Rauh K. G. 2,711,182, Cl. 135—25.  
 Kiel, John P., Jr., to E. Furer. 2,706,938, Cl. 95—18.  
 Kiel, Kenneth M., to the United States of America as represented by the Secretary of the Navy. 2,712,575, Cl. 200—52.  
 Kienle, Roy H., and C. A. Amick, to American Cyanamid Co. 2,708,150, Cl. 8—70.  
 Kienle, Roy H., J. W. Eastes, and T. F. Cooke, to American Cyanamid Co. 2,717,246, Cl. 260—37.  
 Kienzle Apparate G. m. b. H.: See—  
 Maier, Lorenz. 2,708,550.  
 Kieras, Joseph A., to The Atlantic Refining Co. 2,726,192, Cl. 196—14.4.  
 Kiernan, Conleth E., and W. K. Fischer, to United States Rubber Co. 2,728,703, Cl. 154—130.  
 Kiernan, Joseph F., to Air Reduction Co., Inc. 2,715,551, Cl. 302—55.  
 Kiers, Lucas: See—  
 Griffin, Dustin H., Fiss, and Kiers. 2,728,674.  
 Griffin, Dustin H., Fiss, and Kiers. 2,728,675.  
 Kiff, Ben W.: See—  
 Guest, Howard R., and Kiff. 2,710,884.  
 Kiguel, Ricardo: See—  
 Hojman, Jorge A., Kiguel, and Ibarlucia. 2,722,269.  
 Kihl, Asbjorn, and D. E. Hooker, to R. T. Moloney. 2,722,382, Cl. 235—134.  
 Kihlstedt, Per G., and T. R. Löfgren, to Bolidens Gruvaktiebolag. 2,711,823, Cl. 209—169.  
 Kihn, Harry, to Radio Corp. of America. 2,728,875, Cl. 315—27.  
 Kik, Adrian J. 2,709,486, Cl. 158—139.  
 Kilbourn Engineering Co.: See—  
 Straty, Stephen. 2,704,848.  
 Kilbourne, Frederick L., Jr., and W. B. Davis, to The Connecticut Hard Rubber Co. 2,709,161, Cl. 260—37.  
 Kilburn, Tom: See—  
 Williams, Frederic C., and Kilburn. 2,727,988.  
 Williams, Frederic C., Kilburn, and Thomas. 2,700,588.  
 Williams, Frederic C., Kilburn, and Tootill. 2,709,230.  
 Kile, Otho, to R. R. Donnelley & Sons Co. 2,720,665, Cl. 11—1.  
 Kile, Otho, to R. R. Donnelley & Sons Co. 2,721,644, Cl. 198—35.  
 Kilemnik, Maurice. 2,707,537, Cl. 189—82.  
 Kilgore, Earl J. 2,718,964, Cl. 206—41.  
 Kilgore, Inc.: See—  
 Grosh, Martin L. 2,698,700.  
 Kilgore, Lee A., R. A. Baudry, and P. R. Heller, to Westinghouse Electric Corp. 2,707,244, Cl. 310—57.  
 Killeen, Thomas F. 2,714,466, Cl. 220—7.  
 Killgore, William F.: See—  
 Christopherson, Eddie C. 2,699,699.  
 Killian, Robert J.: See—  
 Wickwire, Arthur M., and Killian. 2,702,597.  
 Killick, Lawrence F. 2,707,104, Cl. 273—1.5.  
 Killington, Albert A. 2,714,419, Cl. 155—112.  
 Killmer, Donald R., Jr.: See—  
 Grindle, Aubrey J., and Killmer. 2,699,796.  
 Killough, Jack D.: See—  
 Pinion, Thomas J., and Killough. Re. 24,059.  
 Pinion, Thomas J., and Killough. 2,702,399.  
 Kilmer, Simon T., to American Seating Co. 2,716,774, Cl. 16—42.  
 Kilner, William N., to Metropolitan-Vickers Electrical Co. Ltd. 2,724,064, Cl. 310—61.  
 Kilner, William N., and H. I. Wood, to Metropolitan-Vickers Electrical Co. Ltd. 2,727,161, Cl. 310—64.  
 Kilpatrick, Myron O., to Phillips Petroleum Co. 2,699,380, Cl. 23—284.  
 Kilpatrick, Myron O., to Phillips Petroleum Co. 2,701,181, Cl. 23—96.  
 Kilpatrick, Myron O., to Phillips Petroleum Co. 2,702,133, Cl. 214—17.  
 Kilpatrick, Myron O., to Phillips Petroleum Co. 2,727,765, Cl. 286—11.  
 Kilpatrick, Paul W.: See—  
 Griffiths, Francis P., Kilpatrick, Harrington, Hendel, and Olson. 2,705,679.  
 Kimbal, Alfred. 2,718,274, Cl. 181—63.  
 Kimball, A., Co.: See—  
 Marsh, Alonzo K., and Weimont. 2,728,392.  
 Kimball, Benjamin M., to The Cellucord Corp. 2,725,980, Cl. 206—59.  
 Kimball, Bernice J. 2,724,843, Cl. 9—17.  
 Kimball, Frank H., to The Goodyear Tire & Rubber Co. 2,720,309, Cl. 206—46.  
 Kimball, Frank T., and R. A. Benson. 2,727,822, Cl. 99—80.  
 Kimball, James F. 2,722,918, Cl. 121—17.  
 Kimball, Lawrence W.: See—  
 Dodge, Erle H., and Kimball. 2,726,799.  
 Kimball, Richard H., and K. J. Smith, to Hooker Electrochemical Co. 2,699,456, Cl. 260—648.  
 Kimball, Vernon R., to Bendix Aviation Corp. 2,706,611, Cl. 248—204.  
 Kimball, William L., to Shulton, Inc. 2,718,987, Cl. 222—193.  
 Kimberlin, Charles N., Jr.: See—  
 Adams, Clark E., and Kimberlin. 2,719,111.  
 Mason, Ralph B., and Kimberlin. 2,721,169.  
 Mertzweiller, Joseph K., and Kimberlin. 2,709,713.  
 Kimberlin, Charles N., Jr., to Esso Research and Engineering Co. 2,713,037, Cl. 252—453.  
 Kimberlin, Charles N., Jr., to Esso Research and Engineering Co. 2,726,216, Cl. 252—313.  
 Kimberlin, Charles N., Jr., and E. M. Gladrow, to Esso Research and Engineering Co. 2,708,186, Cl. 252—313.  
 Kimberlin, Charles N., Jr., and C. F. Gray, to Esso Research and Engineering Co. 2,717,865, Cl. 196—55.  
 Kimberlin, Charles N., Jr., R. B. Mason, and R. W. Krebs, to Esso Research and Engineering Co. 2,721,168, Cl. 202—28.  
 Kimberlin, Wayne H. 2,721,544, Cl. 123—142.5.  
 Kimberly-Clark Corp.: See—  
 Harwood, Kenneth J., Hogue, Le Dain, and Sabee. 2,726,423.  
 Kimberly Corp.: See—  
 Taube, Zyga S. 2,719,314.  
 Kimbro, John J.: See—  
 Beyer, Conrad S., and Kimbro. 2,709,525.  
 Kimbro, William S., to Buckner Mfg. Co. 2,712,457, Cl. 285—97.5.  
 Kime, Sharon E.: See—  
 Flint, Hyland C., and Kime. 2,705,527.  
 Kimes, Harold E., to Harold E. Kimes Corp. 2,722,717, Cl. 18—42.  
 Kimes, Harold E., Corp.: See—  
 Kimes, Harold E. 2,722,717.  
 Kimm, Ewald J., and P. F. Early, to Standard-Thomson Corp. 2,720,212, Cl. 137—81.  
 Kimmel, William E., to Crompton & Knowles Loom Works. 2,709,459, Cl. 139—303.  
 Kimzey, Albert F. 2,716,243, Cl. 4—222.  
 Kin, Myron, to Dow Corning Corp. 2,721,855, Cl. 260—46.5.  
 Kincaid, Charles W. 2,708,992, Cl. 192—59.  
 Kincaid, Frank M., Jr. 2,718,777, Cl. 70—305.  
 Kincheloe, William L.: See—  
 Funk, Walter, Jr., and Kincheloe. 2,709,962.  
 Kinder, Walter: See—  
 Michel, Kurt, Kinder, and Küppenbender. 2,720,138.  
 Kinderman, Walter J., to Yarnall-Waring Co. 2,716,892, Cl. 73—293.  
 Kindig, Arnie J., to The Jeffrey Mfg. Co. 2,702,868, Cl. 308—20.  
 Kindig, Guilford E., and H. H. Dudley, to Eastman Kodak Co. 2,721,506, Cl. 95—31.  
 Kindred, Stanley G.: See—  
 Shnitzler, Meyer J., Norton, and Kindred. 2,707,551.  
 Kindseth, Harold V., to Bemis Bro. Bag Co. 2,703,671, Cl. 226—58.  
 Kindseth, Harold V., to Bemis Bro. Bag Co. 2,712,292, Cl. 112—11.  
 Kindseth, Harold V., to Bemis Bro. Bag Co. 2,712,406, Cl. 226—55.  
 Kindseth, Harold V., to Bemis Bro. Bag Co. 2,716,852, Cl. 53—148.  
 Kindseth, Harold V., to Bemis Bro. Bag Co. 2,722,361, Cl. 229—9.  
 Kindseth, Harold V., and H. K. Fox, to Bemis Bro. Bag Co. 2,718,201, Cl. 112—11.  
 Kindseth, Harold V., and J. D. Merrifield; said Kindseth assor. to Bemis Bro. Bag Co., and said Merrifield assor. to J. D. Merrifield and Son. 2,727,713, Cl. 249—41.  
 Kine, Benjamin B., to Rohm & Haas Co. 2,719,072, Cl. 8—115.6.  
 Kine, Philip C. 2,707,894, Cl. 81—180.  
 Kinetic Dispersion Corp.: See—  
 Laird, Thomas J. 2,706,621.  
 King, Aden J., to King Laboratories Inc. 2,706,554, Cl. 206—0.4.  
 King, Alfred B., Co., The: See—  
 King, John P. 2,713,464.  
 King, Arthur S. 2,720,058, Cl. 51—59.  
 King, Benton S., 25% to J. S. Roberts. 2,722,374, Cl. 230—254.  
 King, Carl B. 2,716,837, Cl. 46—44.  
 King, Brian E.: See—  
 Chamberlain, Norman H., and King. 2,724,231.  
 Chamberlain, Norman H., and King. 2,725,709.  
 King, Charles B., to The Gleason Works. 2,718,176, Cl. 90—9.4.  
 King, Charles G. A., deceased, and R. J. Norris; S. King, executrix of said C. G. A. King. 2,698,997, Cl. 30—166.  
 King, Charles W., to General Motors Corp. 2,711,504, Cl. 320—25.  
 King Cuff Pin, Inc.: See—  
 Libby, Reuel W. 2,713,707.  
 King, Daniel O., and F. R. Lofthouse, to Caterpillar Tractor Co. 2,719,521, Cl. 123—198.  
 King, Don R., to Milwaukee Precision Grinding Corp. 2,706,858, Cl. 33—174.  
 King, Donald M. 2,725,973, Cl. 198—177.  
 King, Ernest H.: See—  
 Newman, Allen F., and King. 2,726,901.  
 King, Forrest D.: See—  
 King, Gustave F. 2,709,614.  
 King, Frank S.: See—  
 Bosomworth, George P., King, and Sprague. 2,713,382.  
 King, Frank S., and W. S. Coben, to The Firestone Tire & Rubber Co. 2,713,371, Cl. 152—341.  
 King, Frederic H. 2,711,925, Cl. 299—18.



- King, George : *See*—  
Starr, Arthur T., and King. 2,705,776.
- King, George E. : *See*—  
Smith, Lee H., and King. 2,718,743.
- King, George W. : *See*—  
Brooks, Robert J. 2,714,243.  
Gillette, Frank N., and King. 2,704,307.  
Gillette, Frank N., and King. 2,712,064.  
Pappas, Michael T., and King. 2,722,627.
- King, Geo. W., Ltd. : *See*—  
Burrows, Arthur T. C. 2,704,148.
- King, George W., to General Precision Laboratory Inc. 2,709,768, Cl. 315—20.
- King, George W., to General Precision Laboratory Inc. 2,717,922, Cl. 178—69.5.
- King, Gustave F.,  $\frac{1}{2}$  to F. D. King. 2,709,614, Cl. 292—339.
- King, Herbert,  $\frac{1}{2}$  to E. B. Gregg. 2,708,965, Cl. 155—186.
- King, Ivan W. 2,716,723, Cl. 318—74.
- King, John A. : *See*—  
Reinhard, John F., and King. 2,727,893.
- King, John A., and F. H. McMillan, to Warner-Hudnut, Inc. 2,712,542, Cl. 260—250.
- King, John P., to The Alfred B. King Co. 2,713,464, Cl. 242—128.
- King, Joseph B. and R. W. 2,710,667, Cl. 183—51.
- King, Kenneth G. : *See*—  
Walker, Alec H. B., and King. 2,707,262.
- King, Kenneth G., and H. Duckitt, to Westinghouse Brake and Signal Co. Ltd. 2,700,125, Cl. 317—137.
- King Laboratories Inc. : *See*—  
King, Aden J. 2,706,554.
- King, Lester M. 2,712,054, Cl. 219—39.
- King, Lucille J. 2,720,883, Cl. 132—49.
- King, Nelson F., to Sun Oil Co. 2,715,570, Cl. 23—288.
- King, Oswald M. 2,701,235, Cl. 210—11.
- King, Peter M. : *See*—  
Branch, Maurice C., King, and Walsh. 2,722,630.
- King, Ralph E. : *See*—  
Ivanoff, Victor, and King. 2,702,730.
- King, Ralph E., to General Electric Co. 2,705,877, Cl. 62—117.8.
- King, Ralph E., to General Electric Co. 2,712,733, Cl. 62—102.
- King, Ralph E., to General Electric Co. 2,728,203, Cl. 62—102.
- King, Ralph J., and E. D. Eymann, to Caterpillar Tractor Co. 2,716,970, Cl. 123—41.73.
- King, Robert C., A. H. Schampel, and E. P. Becking; said Schampel and said Becking assors. to said King, d. b. a. as King Sport-Line Co. 2,722,958, Cl. 150—1.5.
- King, Robert W. : *See*—  
King, Joseph B. and R. W. 2,710,667.
- King, Robert W., Jr. 2,726,546, Cl. 73—204.
- King, Ronald F. : *See*—  
Livingston, William D., and King. 2,717,435.
- King-Seeley Corp. : *See*—  
Gaskell, Walter L. 2,705,034.  
Gaskell, Walter L. 2,711,762.  
Vanderberg, Lawrence J., and Zoll. 2,728,226.
- King, Sophia : *See*—  
King, Charles G. A., and Norris. 2,698,997.
- King Sport-Line Co. : *See*—  
King, Robert C., Schampel, and Becking. 2,722,958.
- King, William H., F. H. Thurber, and A. M. Altschul, to the United States of America as represented by the Secretary of Agriculture. 2,726,155, Cl. 99—2.
- King, William R., to Phillips Petroleum Co. 2,699,381, Cl. 23—314.
- King, William R., to Phillips Petroleum Co. 2,722,995, Cl. 183—58.
- King, William V., to Rowe Spacarb, Inc. 2,712,887, Cl. 222—132.
- Kingdon, Kenneth H., and H. C. Pollock, to General Electric Co. 2,701,352, Cl. 340—3.
- Kingman, George F., to Raybestos-Manhattan, Inc. 2,711,984, Cl. 154—120.
- Kingman, Russell B. 2,717,572, Cl. 116—119.
- Kingsbury, Charles R. : *See*—  
Gillum, Lawrence D., and Kingsbury. 2,725,836.
- Kingsbury, Ralph E., to Underwood Corp. 2,725,136, Cl. 197—63.
- Kingslake, Rudolf : *See*—  
Simmons, Arthur B., and Kingslake. 2,715,854.
- Kingsley, David G. : *See*—  
Rice, Richard L., Kingsley, and Woodbury. 2,726,013.
- Kingsley, Errol F., to Iron Fireman Mfg. Co. 2,714,171, Cl. 307—35.
- Kingsley, Lewis A. 2,725,817, Cl. 101—41.
- Kingston Products Corp. : *See*—  
Higbie, Nathan B., and Camfield. 2,727,954.  
Woolley, Lee A. 2,726,873.
- Kingston, Richard J. 2,704,875, Cl. 25—127.
- Kingston, Ronald E. : *See*—  
Barrett, Lewis W., and Kingston. 2,725,127.
- Kingston, Samuel S. : *See*—  
Kasser, Morris. 2,700,369.
- Kingston, Sheldon B. : *See*—  
Kasser, Morris. 2,700,369.
- Kinkead, Alan, to William-Wallace Co. 2,718,841, Cl. 98—46.
- Kinker, Clarence C., to Gerity-Michigan Corp. 2,718,736, Cl. 51—195.
- Kinker, Clarence C., and J. J. Murtagh, to Gerity-Michigan Corp. 2,700,254, Cl. 51—17.
- Kinki Nippon Tetsudo Kabushiki-Kaisha : *See*—  
Fujinawa, Ikuzo. 2,699,840.
- Kinley, Jack : *See*—  
McMahan, Durward B. 2,699,001.
- Kinley, M. M. : *See*—  
McMahan, Durward B. 2,699,001.
- Kinn, Theodore P., to Westinghouse Electric Corp. 2,705,286, Cl. 250—36.
- Kinne, Edmund P., to American Steel Foundries. 2,720,321, Cl. 213—72.
- Kinney, Layton C. : *See*—  
Thorp, Clark E., Kinney, and Remaly. 2,700,648.
- Kinney, Paul W., to General Aniline & Film Corp. 2,702,277, Cl. 252—89.
- Kinney, S. P., Engineers, Inc. : *See*—  
Kinney, Selwyne P. 2,702,699.  
Kinney, Selwyne P. 2,705,000.
- Kinney, Selwyne P., to S. P. Kinney Engineers, Inc. 2,702,699, Cl. 266—25.
- Kinney, Selwyne P., to S. P. Kinney Engineers, Inc. 2,705,000, Cl. 122—6.6.
- Kinney, Wilbur C. : *See*—  
Strawn, Raymond W. 2,708,759.
- Kinsella, James D. 2,702,246, Cl. 99—81.
- Kinser, Arthur D., and T. A. Foree, to Black, Sivalls & Bryson, Inc. 2,710,071, Cl. 183—2.7.
- Kinsley, Thomas G., to Bell Telephone Laboratories, Inc. 2,714,642, Cl. 200—87.
- Kinsley, Thomas G., to Bell Telephone Laboratories, Inc. 2,727,191, Cl. 317—195.
- Kinter, Mark R. : *See*—  
Cope, Arthur C., and Kinter. 2,715,147.
- Kintzing, Reese T., to Westinghouse Electric Corp. 2,725,448, Cl. 201—69.
- Kinzbach, Robert B., and L. A. Johnson. 2,715,414, Cl. 137—399.
- Kinzinger, Siegfried M., and J. P. Malik, to The George W. Borg Corp. 2,705,880, Cl. 66—191.
- Kipnis, Jerome L., to National Container Corp. 2,720,248, Cl. 154—42.
- Kipp, Harry B., to Bausch & Lomb Optical Co. 2,715,275, Cl. 33—50.
- Kippur, Perry R. : *See*—  
Audrieth, Ludwig F., and Kippur. 2,726,263.
- Kirby, James B., to The Apex Electrical Mfg. Co. 2,699,660, Cl. 68—23.
- Kirby, James B., to The Apex Electrical Mfg. Co. 2,710,646, Cl. 155—133.
- Kirby, James B., to The Apex Electrical Mfg. Co. 2,715,826, Cl. 68—23.
- Kirch Co. : *See*—  
Bell, Ralph E. 2,720,373.
- Kircher, John C., Jr. 2,712,270, Cl. 56—199.
- Kircher, Paul J., to Landers, Frary & Clark. 2,704,506, Cl. 99—283.
- Kircher, Paul J., to Landers, Frary & Clark. 2,726,607, Cl. 103—231.5.
- Kircher, Ralph N., to West Bend Aluminum Co. 2,708,923, Cl. 123—196.
- Kircher, Ralph N., to West Bend Aluminum Co. 2,719,212, Cl. 219—41.
- Kircher, Raymond J., to Bell Telephone Laboratories, Inc. 2,709,780, Cl. 323—94.
- Kircher, Raymond J., to Bell Telephone Laboratories, Inc. 2,709,787, Cl. 332—52.
- Kirchhoff, Heinrich : *See*—  
Reiff, Ferdinand, and Kirchhoff. 2,719,148.
- Kirchner, Justus G. : *See*—  
Miller, John M., and Kirchner. 2,723,756.
- Kirchner, Justus G., and J. M. Miller, to the United States of America as represented by the Secretary of Agriculture. 2,712,008, Cl. 260—236.6.
- Kirk, Frank H. 2,718,656, Cl. 15—320.
- Kirk, Max L., and L. G. Janes. 2,725,648, Cl. 36—8.5.
- Kirk, Roy C. : *See*—  
Fry, Ashford B., George, and Kirk. 2,712,564.
- Kirkby, Norman O. : *See*—  
Gillick, Lorraine H., Lehane, and Kirkby. 2,701,128.  
Smith, William M., and Kirkby. 2,716,400.
- Kirkham, Myron C. 2,725,098, Cl. 160—41.
- Kirkhill Inc. : *See*—  
Bowlzer, Daniel H. 2,717,757.
- Kirkhill Rubber Co. : *See*—  
Smith, Albert G. 2,699,580.
- Kirkland, Wyatt S. 2,724,928, Cl. 51—11.
- Kirklin, Manuel B. 2,718,104, Cl. 51—220.
- Kirkman, Frederick J., to Burgess Battery Co. 2,705,250, Cl. 136—111.
- Kirkman, Frederick J., to Burgess Battery Co. 2,705,251, Cl. 136—111.
- Kirkman, Frederick J., to Burgess Battery Co. 2,705,252, Cl. 136—111.
- Kirkman, Frederick J., to Burgess Battery Co. 2,705,253, Cl. 136—111.
- Kirkman, Peter, to Libbey-Owens-Ford Glass Co. 2,707,856, Cl. 51—195.
- Kirkpatrick, Alton, to Stone & Webster Engineering Corp. 2,723,109, Cl. 257—32.
- Kirkpatrick, Floyd M., to General Electric Co. 2,710,993, Cl. 20—35.
- Kirkpatrick, Floyd M., to General Electric Co. 2,718,351, Cl. 230—137.
- Kirkpatrick, Floyd M., to General Electric Co. 2,721,248, Cl. 219—8.



- Kirkpatrick, Henry O., to Union Asbestos and Rubber Co. Re. 23,998, Cl. 62—4.
- Kirkpatrick, John A., to Universal Mfg. Corp. 2,701,167, Cl. 304—2.
- Kirkpatrick, Leland W., and I. D. Vironda, to Rich Mfg. Corp. 2,707,462, Cl. 123—90.
- Kirkpatrick, Willard H., and A. Walker, to Visco Products Co. 2,723,960, Cl. 252—341.
- Kirkwood, James, Jr., to American Hospital Supply Corp. 2,717,819, Cl. 312—245.
- Kirsch Co.: *See*—  
Ford, James A., and Bell. 2,720,919.  
Ford, Ledger D., and Bell. 2,705,566.
- Kirsch, Howard A.: *See*—  
Skelton, William E., Overbaugh, and Kirsch. 2,719,145.
- Kirschbaum, Manfred. 2,716,417, Cl. 135—20.
- Kirshenbaum, Abraham D.: *See*—  
Miller, William T., and Kirshenbaum. 2,711,972.
- Kirshenbaum, Isidor: *See*—  
Kearby, Kenneth K., Kirshenbaum, and Gilbert. 2,728,713.
- Kirshenbaum, Isidor, F. L. Jonach, and L. D. Etherington, to Standard Oil Development Co. 2,702,826, Cl. 260—666.
- Kirstahler, Alfred: *See*—  
Henkel, Konrad, Gündel, and Kirstahler. 2,700,617.
- Kirwan, Kenneth K., and A. G. Perkins, to Centriline Corp. 2,704,873, Cl. 25—38.
- Kish, Michael, Jr., to Atlantic Products Corp. 2,706,024, Cl. 190—58.
- Kish Plastic Products, Inc.: *See*—  
Kish, Steven P. 2,715,280.  
Kish, Steven P. 2,724,868.
- Kish, Steven P., to Kish Plastic Products, Inc. 2,715,280, Cl. 33—174.
- Kish, Steven P., to Kish Plastic Products, Inc. 2,724,868, Cl. 18—59.
- Kishline, Floyd F., and J. S. Voigt, to American Motors Corp. 2,718,409, Cl. 280—106.
- Kissner, James E., E. L. Green, and J. E. Kissner. 2,701,591, Cl. 144—34.
- Kissner, John E.: *See*—  
Kissner, James E., Green, and Kissner. 2,701,591.
- Kistler, Robert J.: *See*—  
Mark, John T., and Kistler. 2,727,172.
- Kistler, Samuel S., to Norton Co. Re. 23,976, Cl. 309—3.
- Kistler, Walter P., to Schweizerische Lokomotiv- und Maschinenfabrik. 2,703,848, Cl. 310—87.
- Kistner, Harold J., to International Business Machines Corporation. 2,714,850, Cl. 101—96.
- Kita, Donald A.: *See*—  
Shull, Gilbert M., Kita, and Davisson. 2,702,812.
- Kitson, Gerald L. 2,719,509, Cl. 119—74.
- Kitson, Gerald L., and B. K. Stevens. 2,712,379, Cl. 198—208.
- Kitten, John B.: *See*—  
Kitten, Nestor J. and J. B. 2,699,867.  
Kitten, Nestor J. and J. B. 2,699,867, Cl. 209—21.
- Kitterman, Donald M. 2,713,988, Cl. 251—322.
- Kittle, Irene T.: *See*—  
Kittle, Levi O. and I. T. 2,702,914.  
Kittle, Levi O. and I. T. 2,702,914, Cl. 15—114.
- Kittleson, Allen R., to Esso Research and Engineering Co. 2,713,058, Cl. 260—326.
- Kittleson, Allen R., to Esso Research and Engineering Co. 2,724,698, Cl. 252—49.6.
- Kitzinger, Joseph A.: *See*—  
Miller, John W., and Kitzinger. 2,703,062.
- Kitzman, William. 2,713,389, Cl. 160—374.
- Kivari, Arthur M.: *See*—  
Kelly, Earl M., and Kivari. 2,713,026.
- Kizaur, Arthur J., to General Electric Co. 2,700,735, Cl. 250—57.
- Kjelgaard, Axel W. 2,713,461, Cl. 241—208.
- Kjellberg, George E. 2,724,175, Cl. 29—287.
- Kjellgren, Ove A. V., to Aktiebolag Separator. 2,711,854, Cl. 233—7.
- Kjellman, Ingvald A. 2,727,815, Cl. 75—41.
- Kjonaas, Manley: *See*—  
Brown, Lee V., Kjonaas, and Hack. 2,727,861.
- Klaar, Max, to W. P. Fuller & Co. 2,702,969, Cl. 51—22.
- Klagges, Henry C. 2,708,308, Cl. 30—40.
- Klammer, Reuben G. 2,728,221, Cl. 73—88.
- Klamp, Paul, to Mechanical Handling Systems, Inc. 2,714,442, Cl. 198—177.
- Klamp, Paul, to Mechanical Handling Systems Inc. 2,716,965, Cl. 121—38.
- Klancnik, Frank J., Jr., to Hi-Low TV Antenna Corp. 2,724,773, Cl. 250—33.
- Klangfilm Gesellschaft mit Beschränkter Haftung: *See*—  
Friess, Hans. 2,717,283.
- Klapperich, Alfred J. 2,724,091, Cl. 333—99.
- Klas, Harold W. 2,709,961, Cl. 102—4.
- Klas, Harold W., to the United States of America as represented by the Secretary of the Navy. 2,715,872, Cl. 102—13.
- Klasing, Arthur P., to Gaylord Container Corp. 2,701,013, Cl. 164—12.
- Klassen, Stephen L., to Thermo Electric Co., Inc. 2,707,273, Cl. 339—89.
- Klatte, Theodor: *See*—  
Nübling, Otto. 2,721,541.
- Klaudt, Helmuth R., to Klaudt Products, Inc. 2,709,082, Cl. 272—78.
- Klaudt Products, Inc.: *See*—  
Klaudt, Helmuth R. 2,709,082.
- Kläui, Heinrich, to Hoffmann-La Roche Inc. 2,702,264, Cl. 167—82.
- Klaus, Karl, to Marathon Corp. 2,708,510, Cl. 206—58.
- Klausmeyer, Otto H., to Studebaker-Packard Corp. 2,713,397, Cl. 181—33.
- Klausmeyer, Robert O.: *See*—  
Ballard, William C., Jr. 2,714,189.
- Klausmeyer, Ruth B.: *See*—  
Ballard, William C., Jr. 2,714,189.
- Klebanoff, Jake H. 2,703,413, Cl. 5—94.
- Klebanoff, Michael: *See*—  
Glickman, Mannes N., and Klebanoff. 2,700,710.
- Klebenow, Lillian B. 2,707,574, Cl. 215—13.
- Kleckner, Marion B., and M. W. Luck. 2,713,985, Cl. 248—243.
- Kleeberg, Gunther K. E. 2,715,829, Cl. 72—44.
- Kleff, Arnold J., Jr., and F. A. Morin, to American Smelting and Refining Co. 2,709,529, Cl. 214—18.
- Klehr, Samuel. 2,707,505, Cl. 150—1.6.
- Kleimack, Joseph J., to Bell Telephone Laboratories, Inc. 2,725,317, Cl. 148—11.5.
- Kleimack, Joseph J., and R. L. Trent, to Bell Telephone Laboratories, Inc. 2,705,768, Cl. 317—235.
- Kleiman, Morton, to Arvey Corp. 2,705,235, Cl. 260—346.2.
- Kleiman, Morton, to Arvey Corp. 2,705,236, Cl. 260—346.2.
- Klein, Adolf: *See*—  
Mayer, Edward J. 2,702,245.
- Klein, Arthur N.: *See*—  
Maupin, James F. 2,711,317.
- Klein, Cletus A. 2,726,880, Cl. 280—502.
- Klein, David X., and W. R. Cake, to Heyden Chemical Corp. 2,719,867, Cl. 260—637.
- Klein, David X., and G. W. Benz, to Heyden Chemical Corp. 2,723,290, Cl. 260—520.
- Klein, Frank J., to General Motors Corp. 2,727,858, Cl. 204—297.
- Klein, Harvey H.: *See*—  
Barnes, Alfred A., and Klein. 2,726,583.
- Klein, Howard C., and S. Chodroff, to Nopco Chemical Co. 2,702,816, Cl. 260—465.6.
- Klein, Mark J.: *See*—  
Geer, Max R., and Klein. 2,708,360.
- Klein, Robert J., and F. A. Wagner, to Combustion Engineering, Inc. 2,703,073, Cl. 122—360.
- Klein, Stanley J., to Empire Box Corp. 2,702,663, Cl. 229—31.
- Klein, Victor G., and C. H. Mueller, to Lincoln Engineering Co. 2,704,678, Cl. 285—123.
- Klein, Victor G., and C. H. Mueller, to Lincoln Engineering Co. 2,728,578, Cl. 274—10.
- Klein, Walter, to Ernst Leitz, G. m. b. H. 2,713,808, Cl. 88—57.
- Kleinberg, Jack. 2,709,584, Cl. 270—53.
- Kleinberg, Paul E., and P. Larivière, to T. W. & C. B. Sheridan Co. and The Sheridan Iron Works. 2,711,896, Cl. 270—56.
- Kleinemeier, John. 2,704,684, Cl. 292—268.
- Kleinman, Jacob L. 2,705,324, Cl. 2—38.
- Kleinmann, Erwin S.: *See*—  
Marshall, William A., Staton, and Kleinmann. 2,726,205.
- Kleinsorge, George H. 2,712,486, Cl. 311—87.
- Kleis, Derk, W. K. Westmijze, and H. S. Fuchs, to Hartford National Bank and Trust Co. 2,700,073, Cl. 179—100.2.
- Kleiss, Louis D., to Phillips Petroleum Co. Re. 23,999, Cl. 73—228.
- Kleiss, Louis D., and S. J. Marwil, to Phillips Petroleum Co. 2,715,647, Cl. 260—67.5.
- Kleissl, Erberto, to Fabrica Italiana Magneti Marelli Società per Azioni. 2,715,679, Cl. 250—27.
- Kleist, Herman W., to Dole Refrigerating Co. 2,701,455, Cl. 62—126.
- Kleist, Herman W., to Dole Refrigerating Co. 2,702,334, Cl. 219—34.
- Kleist, Herman W., to Dole Refrigerating Co. 2,726,515, Cl. 62—126.
- Klemencic, Adolf, to Ludwig Binder & Co. 2,725,984, Cl. 209—365.
- Klemm, Herman G., and E. V. Bunting, to Harry Ferguson, Inc. 2,721,509, Cl. 97—46.07.
- Klemm, William F. 2,718,842, Cl. 99—234.
- Klemme, Claude C. 2,714,859, Cl. 104—150.
- Klemperer, Hans: *See*—  
Brown, Malcolm H., and Klemperer. 2,700,741.
- Klemperer, Hans, to Raytheon Mfg. Co. 2,706,246, Cl. 250—27.
- Klemperer, Hans, to Raytheon Manufacturing Company. 2,715,183, Cl. 250—27.
- Klemperer, Hans, and G. E. Andrews, to APRA Precipitator Corp. 2,722,283, Cl. 183—7.
- Klemt, Günter: *See*—  
Hacman, Dionisie, and Klemt. 2,718,173.
- Klemt, Günter, to Jos. Schneider & Co. 2,699,700, Cl. 88—1.5.
- Klepp, George F., to International Standard Electric Corp. 2,719,933, Cl. 313—174.
- Kletsch, Wayne R.: *See*—  
Mottet, Arthur L., Heppenstall, and Kletsch. 2,710,276.
- Klettke, Walter G.: *See*—  
Smith, William R., and Klettke. 2,712,374.
- Kleutgen, Juanita W. 2,722,350, Cl. 223—75.
- Klicpera, Clyde R., to Tri-Line Co. 2,701,134, Cl. 262—20.
- Kliger, Irwin. 2,701,162, Cl. 296—47.
- Klimek, Marcel, Jr. 2,702,088, Cl. 180—5.
- Klinck, C. L., Jr.: *See*—  
Banff, Peter S. 2,721,550.



- Kline, Albert K., and M. B. Conrad, to Baker Oil Tools, Inc. 2,713,907, Cl. 166—63.  
 Kline, Bernard L.: *See—*  
   Roddin, Daniel P., and Kline. 2,726,168.  
 Kline, Charles A. 2,717,414, Cl. 17—8.  
 Kline, Robert E.: *See—*  
   McKinley, Joseph B., and Kline. 2,718,535.  
 Kline, Robert H.: *See—*  
   Matthews, Howard W. 2,723,618.  
 Kling, Leroy A.: *See—*  
   Elliston, Edward E. 2,705,060.  
 Kling, Martha F., and C. P. Barret. 2,708,762, Cl. 15—110.  
 Kling, Nelson: *See—*  
   Doyle, Irving W., and Kling. 2,699,102.  
 Kling, Nelson G., and G. Gorham, to Technicon International, Ltd. 2,727,466, Cl. 103—38.  
 Kling, Robert W., to Athey Products Corp. 2,720,417, Cl. 298—18.  
 Klingebiel, Richard J. 2,706,107, Cl. 258—7.  
 Klingel, Arthur R., Jr., to The Standard Oil Co. 2,700,005, Cl. 134—22.  
 Klingener, Harry F., to Stonotone Corp. 2,717,929, Cl. 179—100.41.  
 Klinger, Jakob: *See—*  
   Sussman, Harry, and Klinger. 2,727,216.  
 Klingens, Cornelis, to U. S. Slicing Machine Co., Inc. 2,704,859, Cl. 17—26.  
 Klingler, Karl A. 2,721,772, Cl. 308—84.  
 Klinkhammer, Kurt, to International Standard Electric Corp. 2,705,743, Cl. 179—18.  
 Klinkhammer, Kurt, and A. Mehli, to International Standard Electric Corp. 2,719,880, Cl. 179—18.  
 Klinzing, August F. 2,724,488, Cl. 198—171.  
 Klitzke, William C., to Joy Mfg. Co. 2,721,491, Cl. 81—52.3.  
 Klockner-Humboldt-Deutz A. G.: *See—*  
   Kloss, Richard. 2,710,601.  
 Klockner-Humboldt-Deutz Aktiengesellschaft: *See—*  
   Flatz, Emil, and Hövel. 2,725,045.  
   Gerecke, Walter. 2,718,882.  
   Peters, Karl. 2,723,838.  
 Kloepfer, Harry, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. 2,727,935, Cl. 260—765.  
 Klohs, Murl W.: *See—*  
   Kusserow, Gerhard W., Klohs, Bates, and Gross. 2,727,891.  
 Klomp, Alfred W. 2,698,988, Cl. 29—103.  
 Klonoski, Stephen W.: *See—*  
   Sampatacos, Peter M., and Klonoski. 2,699,238.  
 Klonoski, Stephen W., to The Torrington Mfg. Co. 2,699,239, Cl. 192—45.  
 Klöpping, Carel P., to Hartford National Bank and Trust Co. 2,699,981, Cl. 316—23.  
 Klose, Alfred J., to G. M. Giannini & Co. Inc. 2,705,890, Cl. 73—189.  
 Kloss, Dale D., to Champion Motors Co. 2,705,065, Cl. 192—41.  
 Kloss, Dale D., to Champion Motors Co. 2,728,320, Cl. 115—18.  
 Kloss, Richard, to Klockner-Humboldt-Deutz A. G. 2,710,601, Cl. 123—41.61.  
 Klose, Ernst. 2,707,480, Cl. 137—98.  
 Klostermann, Curt W., to D. B. Alexander, E. R. Bourke, H. T. Chamberlain, J. F. Mannion, E. W. Schneider, W. A. Wade, and C. S. Vrtis, not individually but as trustees of The Arthur J. Schmitt Foundation. 2,699,534, Cl. 339—193.  
 Klostermann, Curt W., to American Phenolic Corp. 2,724,096, Cl. 339—255.  
 Klostermann, Curt W., to American Phenolic Corp. 2,728,062, Cl. 339—255.  
 Klotz, Robert L., Jr., to Seismograph Service Corp. 2,699,721, Cl. 102—20.  
 Klotzbach, Günter A., to Huttenwerk Rheinhausen Aktiengesellschaft. 2,700,849, Cl. 49—1.  
 Klotzer, Wilhelm: *See—*  
   Bretschneider, Hermann, and Klotzer. 2,703,800.  
 Klubka, Michael N. 2,723,409, Cl. 15—97.  
 Kluck, Louis. 2,728,399, Cl. 166—241.  
 Kluegel, Ernest F. and J. E. 2,708,019, Cl. 193—34.  
 Kluegel, Joseph E.: *See—*  
   Kluegel, Ernest F. and J. E. 2,708,019.  
 Klug, Eugene D., and H. M. Spurlin, to Hercules Powder Co. 2,714,591, Cl. 260—215.  
 Klug, Michael C. 2,720,064, Cl. 51—193.5.  
 Kluge, Friedhelm: *See—*  
   Brockmann, Hans, and Kluge. 2,707,704.  
 Kluge, Herman D.: *See—*  
   Knowles, Edwin C., Kluge, and Fields. 2,709,682.  
 Kluge, Herman D., and F. W. Moore, to The Texas Co. 2,725,357, Cl. 252—42.7.  
 Kluge, Herman D., and F. W. Moore, to The Texas Co. 2,725,358, Cl. 252—42.7.  
 Kluge, Robert D., and R. J. Breer, to Minneapolis-Honeywell Regulator Co. 2,703,516, Cl. 95—11.5.  
 Kluge, Wilhelm F., to Fried. Krupp Stahlbau Rheinhausen. 2,701,061, Cl. 209—330.  
 Klumpp, Ferdinand, Jr. 2,724,736, Cl. 174—153.  
 Klumpp, Ferdinand, Jr. 2,727,236, Cl. 1—177.  
 Klumpp, Ferdinand, Jr., to Heyman Mfg. Co. 2,727,299, Cl. 29—155.55.  
 Klumpp, Ferdinand, Jr., to Heyman Mfg. Co. 2,727,300, Cl. 29—206.  
 Klumpp, Jean. 2,711,122, Cl. 95—86.  
 Knabeschuh, John N. 2,709,841, Cl. 20—57.5.  
 Knacke, Theodor W. 2,726,057, Cl. 244—145.  
 Knapp, Alfred P., to American Viscose Corp. 2,726,617, Cl. 113—59.  
 Knapp, Carroll L., Jr., and J. F. Black, to Esso Research and Engineering Co. 2,711,484, Cl. 250—83.6.  
 Knapp, David P., Jr. 2,726,129, Cl. 312—258.  
 Knapp, George P.: *See—*  
   Mergen, Joseph M., Zwack, and Knapp. 2,720,927.  
 Knapp, Hans J., to Grenco, Inc. 2,706,148, Cl. 23—290.5.  
 Knapp, Howard W., to The General Fireproofing Co. 2,713,892, Cl. 155—184.  
 Knapp, James G.: *See—*  
   Palma, Joseph, Jr., and Knapp. 2,712,143.  
 Knapp, Leslie E., to The Maxim Silencer Co. 2,724,599, Cl. 280—62.  
 Knapp-Monarch Co.: *See—*  
   Alderfer, Sterling W. 2,710,978.  
   Holstein, Alvin W. 2,701,698.  
   Huck, Alfred J., and Kueser. 2,701,410.  
   Huck, Alfred J., and Pass. 2,725,451.  
   Huffman, Russell I. 2,706,766.  
   Kochner, William B. 2,720,329.  
   Kochner, William B. 2,722,114.  
   Kueser, John J. 2,713,970.  
   Kueser, John J. 2,722,594.  
   Moran, James M., and MacKechie. 2,709,216.  
 Knapp, Oswald E., and E. O. Larson. 2,703,348, Cl. 200—87.  
 Knapp, Otto P. 2,711,567, Cl. 22—92.  
 Knapp, Raymond. 2,701,414, Cl. 30—43.  
 Knapp, Walter, to Radio Corp. of America. 2,702,135, Cl. 214—91.  
 Knapp, William E., and L. G. Arnold, to Minneapolis-Moline Co. 2,707,906, Cl. 97—24.5.  
 Knapsack-Griesheim Aktiengesellschaft: *See—*  
   Ritter, Friedbert, and Walter. 2,701,188.  
   Ritter, Friedbert, and Walter. 2,701,190.  
 Knarzer, Herman C., to Dille & McGuire Mfg. Co. 2,724,598, Cl. 280—47.37.  
 Knarzer, Herman C., to Dille & McGuire Mfg. Co. 2,728,582, Cl. 280—43.  
 Knasko, Joseph J. 2,716,998, Cl. 137—231.  
 Knauer, Berthold, to Pitney-Bowes, Inc. 2,708,402, Cl. 101—110.  
 Knaus, Nicholas, and A. G. Millington, to The Singer Mfg. Co. Re. 24,005, Cl. 112—209.  
 Knauss, Harold P., to Raytheon Mfg. Co. 2,721,286, Cl. 313—69.  
 Knautz, Emil, to Combustion Engineering, Inc. 2,714,896, Cl. 137—512.1.  
 Kneass, Strickland, Jr., to Morgan Construction Co. 2,702,605, Cl. 183—35.  
 Knee, Aaron A., to Lance, Inc. 2,722,900, Cl. 107—1.  
 Knee, Simon. 2,727,549, Cl. 150—36.  
 Kneeland, Paul D.: *See—*  
   Clarke, Edgar W., Schreiber, and Kneeland. 2,713,034.  
 Knesbach, Stanley L.: *See—*  
   Ladisch, Rolf K., and Knesbach. 2,728,721.  
 Knerr, Carl J., to Servel, Inc. 2,717,497, Cl. 62—104.  
 Knerr, Carl J., to Servel, Inc. 2,717,504, Cl. 62—7.  
 Knickerbocker Plastic Co., Inc.: *See—*  
   Barber, Herbert L. 2,725,869.  
   Hersey, Walter O. 2,723,491.  
   Hersey, Walter O. 2,724,528.  
 Knight, Basil E., to C. A. V. Ltd. 2,711,894, Cl. 264—14.  
 Knight, George C., Co.: *See—*  
   Haberstump, Alfred H. 2,710,161.  
   Haberstump, Alfred H. 2,710,734.  
   Kooner, Carlton G. 2,726,575.  
 Knight, George W., to Allen-Bradley Co. 2,721,963, Cl. 317—198.  
 Knight, Harold P., to Borax Consolidated, Ltd. 2,700,604, Cl. 71—2.2.  
 Knight, John P. 2,725,849, Cl. 118—260.  
 Knight, John S. 2,717,596, Cl. 128—152.  
 Knight Leather Co.: *See—*  
   Renz, Emil K. 2,717,620.  
 Knight Leather Products, Inc.: *See—*  
   Arnold, Berel A., and Renz. 2,717,671.  
 Knight, Philip L., to Surface Combustion Corp. 2,700,380, Cl. 126—91.  
 Knight, William E., Jr. 2,712,765, Cl. 81—58.3.  
 Knights, James, Co., The: *See—*  
   Virmani, Bryant D. 2,702,691.  
 Knipe, Leland T., and R. W. Martin, to Simplex Incinerator Corp. 2,698,587, Cl. 110—8.  
 Kniveton, James, to Selas Corp. of America. 2,706,111, Cl. 266—40.  
 Knoch, Max, to Pneumatic Scale Corp., Ltd. 2,699,932, Cl. 265—68.  
 Knoblock, Ernest V.: *See—*  
   Knoblock, Lillian D. and E. V. 2,726,434.  
 Knoblock, Lillian D. and E. V. 2,726,434, Cl. 28—15.  
 Knochel, William J., M. Eber, and H. J. Ehringer, to Westinghouse Electric Corp. 2,724,892, Cl. 29—472.9.  
 Knoepke, Olga H.: *See—*  
   Leistner, William E., Hecker, and Knoepke. 2,723,965.  
   Leistner, William E., and Knoepke. 2,725,365.  
   Leistner, William E., and Knoepke. 2,726,227.  
   Leistner, William E., and Knoepke. 2,726,254.  
 Knoff, Ervin. 2,708,536, Cl. 222—510.  
 Knohl, Friedrich K., to Illinois Tool Works. 2,698,472, Cl. 24—213.  
 Knohl, Friedrich K., to Illinois Tool Works. 2,709,470, Cl. 151—37.



- Knohl, Friedrich K., to Illinois Tool Works. 2,712,262, Cl. 85—36.  
 Knohl, Friedrich K., to Illinois Tool Works. 2,714,754, Cl. 24—221.  
 Knohl, Friedrich K., to Illinois Tool Works. 2,715,929, Cl. 151—37.  
 Knohl, Herbert: *See—*  
   Dangel, Phoenix N., and Knohl. 2,713,359.  
 Knol, Kornelis S.: *See—*  
   Van der Ziel, Aldert, and Knol. 2,719,223.  
 Knoll A. G. Chemische Fabriken: *See—*  
   Kraft, Helmut and K. 2,721,143.  
   Zutavern, Philipp, Gemppe, and Mothes. 2,712,018.  
 Knoll, William V. 2,709,949, Cl. 92—22.  
 Knomark Mfg. Co. Inc.: *See—*  
   Abrams, Samuel M. and A. 2,710,983.  
 Knoop, Walter E.: *See—*  
   Bartuska, George, Jr., and Frick. 2,716,191.  
 Knosp, Robert N., C. E. Linden, and F. O. Wetzel, to The Fosdick Machine Tool Co. 2,699,078, Cl. 77—28.  
 Knosp, Robert N., C. E. Linden, and F. O. Wetzel, to The Fosdick Machine Tool Co. 2,722,853, Cl. 77—1.  
 Knot, Frank W., to Wisco, Inc. 2,704,588, Cl. 189—76.  
 Knoth, Frederick, Jr.: *See—*  
   Smith, Paul V., Jr., Knoth, and Waddey. 2,722,517.  
 Knoth, Richard B., to Western Electric Co., Inc. 2,724,287, Cl. 74—616.  
 Knott, Edward B., to Eastman Kodak Co. 2,713,579, Cl. 260—240.1.  
 Knott, Edward B., to Eastman Kodak Co. 2,728,766, Cl. 260—240.1.  
 Knott, Edward B., and J. Morgan, to Eastman Kodak Co. 2,728,667, Cl. 95—7.  
 Knott, Philip. 2,720,053, Cl. 46—135.  
 Knott, Philip. 2,728,167, Cl. 46—37.  
 Knotz, Florian F. 2,715,561, Cl. 23—14.  
 Knowland, Thomas M., and C. R. Stahle, to Boston Woven Hose and Rubber Co. 2,722,730, Cl. 28—80.  
 Knowles Associates: *See—*  
   Knowles, Chester, and Chelminski. 2,710,247.  
 Knowles, Chester L., and R. Chelminski, to Knowles Associates. 2,710,247, Cl. 23—165.  
 Knowles, Dennis H., to The Goss Printing Press Co. 2,709,406, Cl. 101—378.  
 Knowles, Dewey D., to Westinghouse Electric Corp. 2,716,719, Cl. 315—103.  
 Knowles, Edwin C., H. D. Kluge, and J. E. Fields, to The Texas Co. 2,709,682, Cl. 252—48.2.  
 Knowles, Lloyd G.: *See—*  
   Cutler, Wallace M., Knowles, and Gross. 2,709,823.  
 Knowles, M. B.: *See—*  
   Bell, Alan, Knowles, and Tholstrup. 2,725,391.  
 Knowles Mfg. Co.: *See—*  
   Gosse, Herbert O. 2,706,648.  
 Knowles, Richard C., to The Sperry Corp. 2,699,895, Cl. 235—61.5.  
 Knowles, Richard C., C. G. Holschuh, and W. T. White, to Sperry Rand Corp. 2,715,776, Cl. 33—49.  
 Knowles, Robert H.: *See—*  
   Anderson, Dale L., Shaffer, Knowles, Harwell, Nash, and Lewis. 2,724,342.  
 Knowlton, William R., to Bausch & Lomb Optical Co. 2,702,493, Cl. 88—57.  
 Knox, Donald G., to The National Supply Co. 2,699,121, Cl. 103—52.  
 Knox Glass Bottle Co.: *See—*  
   Lucas, Zollie E. 2,724,329.  
   Steck, Arch L. 2,707,044.  
 Knox, John S.: *See—*  
   Barclay, James, and Knox. 2,712,445.  
 Knox, Kenneth L., to E. I. du Pont de Nemours and Co. 2,718,666, Cl. 18—57.  
 Knox, Kenneth M. 2,721,257, Cl. 240—59.  
 Knox, Richard M., and F. E. Miller; said Knox assor. to said Miller. 2,718,414, Cl. 287—20.5.  
 Knudsen, Richard R. 2,705,330, Cl. 4—251.  
 Knox, William J., Jr., and G. D. Davis, to Eastman Kodak Co. 2,719,087, Cl. 95—7.  
 Knox, William T., Jr.: *See—*  
   Dole, Stephen H., and Knox. 2,713,022.  
 Knox, William T., Jr., to Standard Oil Development Co. 2,700,637, Cl. 196—14.11.  
 Knox, William T., Jr., and S. H. Dole, to Esso Research and Engineering Co. 2,703,292, Cl. 106—270.  
 Knudsen, Børge I.: *See—*  
   Baunsgaard, Arne C., and Knudsen. 2,713,005.  
 Knudsen Creamery Co. of Calif.: *See—*  
   Carson, Elmer C. 2,720,941.  
 Knudsen, John O. 2,698,611, Cl. 123—76.  
 Knudsen, Knud J., to The Lewis Engineering Co. 2,718,148, Cl. 73—342.  
 Knudsen, Thomas C., to Allis-Chalmers Mfg. Co. 2,708,850, Cl. 74—230.17.  
 Knudsen, Thomas C., to Allis-Chalmers Mfg. Co. 2,723,138, Cl. 287—52.06.  
 Knudsen, Werner S.: *See—*  
   Arnold, Henning, and Knudsen. 2,701,132.  
 Knust, Ernst, to Farbenfabriken Bayer Aktiengesellschaft. 2,705,246, Cl. 260—583.  
 Knuth, Carl, to Kiekhaefer Corp. 2,719,001, Cl. 230—141.  
 Knuth, Charles J.: *See—*  
   Bavley, Abraham, and Knuth. 2,706,202.  
 Knutsen, Knut A., to Compagnie des Machines Bull (Societe Anonyme). 2,712,898, Cl. 235—61.7.  
 Knutsen, Oivind L., to Amalgamated Roadstone Corp. Ltd. 2,721,006, Cl. 222—195.  
 Knutson, Harry: *See—*  
   Erchak, Michael, Jr., Koch, and Knutson. 2,701,242.  
 Knutson, Kelsey N. 2,710,102, Cl. 212—145.  
 Knutson, Roy G. 2,709,922, Cl. 74—5.6.  
 Knutti, Helmut: *See—*  
   Köhler, Horst, and Knutti. 2,721,500.  
 Kobe, Inc.: *See—*  
   Coberly, Clarence J. 2,703,585.  
 Kober, William. 2,719,931, Cl. 310—156.  
 Kobler, Arnold J. 2,699,690, Cl. 74—800.  
 Kobler, Richard, to Thomas A. Edison, Inc. 2,699,466, Cl. 179—6.  
 Kobs, Roger D., to Northrup, King & Co. 2,723,766, Cl. 211—128.  
 Kobuke, Yosimasa, and Y. Uehara, to Tokyo Shibaura Electric Co., Ltd. 2,714,095, Cl. 252—301.4.  
 Koch, Alfred R., to Minneapolis-Honeywell Regulator Co. 2,705,297, Cl. 317—135.  
 Koch, Aurelia R. 2,701,084, Cl. 223—98.  
 Koch, Benjamin R. 2,726,439, Cl. 30—6.1.  
 Koch, Earl E., to The Sperry Corp. 2,712,282, Cl. 100—47.  
 Koch, Frederick, to C. Todd, trustee. 2,706,116, Cl. 271—2.3.  
 Koch, Frederick, to C. Todd, trustee. 2,720,261, Cl. 164—48.  
 Koch, Frederick E. 2,699,781, Cl. 128—295.  
 Koch, Fritz: *See—*  
   Torke, Erich, Koch, and Diem. 2,698,489.  
 Koch, Gustav H., to Westinghouse Electric Corp. 2,728,038, Cl. 318—82.  
 Koch, Harry C. 2,712,125, Cl. 340—51.  
 Koch, Herbert W., to Western Electric Co., Inc. 2,704,791, Cl. 179—171.  
 Koch, Hermann H., to The Budd Co. 2,713,930, Cl. 193—43.  
 Koch, Jørgen. 2,702,863, Cl. 250—49.5.  
 Koch, Joseph, and E. W. Ford, to The Firestone Tire & Rubber Co. 2,709,359, Cl. 73—15.6.  
 Koch, Joseph H.: *See—*  
   Brockardt, Frank G., Jr., Koch, and Harmsen. 2,723,606.  
 Koch, Karl F.: *See—*  
   Erchak, Michael, Jr., Koch, and Knutson. 2,701,242.  
 Koch, Paul H., to The Babcock & Wilcox Co. 2,699,762, Cl. 122—480.  
 Koch, Paul W., and R. Beck, to Manning, Maxwell & Moore, Inc. 2,718,778, Cl. 73—1.  
 Koch, Richard C. 2,713,670, Cl. 339—126.  
 Koch, Robert E., to General Electric Co. 2,726,298, Cl. 200—133.  
 Koch, Rolf J.: *See—*  
   Schad, Rudolf P. J. C., and Koch. 2,707,616.  
 Koch, Siegfried, and F. Feilhaber. 2,701,498, Cl. 84—423.  
 Koch, Walter: *See—*  
   Wever, Franz, and Koch. 2,705,196.  
 Koch, Werner, to Faber & Schleicher Aktiengesellschaft. 2,702,002, Cl. 101—136.  
 Koch, Werner, to Faber & Schleicher Aktiengesellschaft. 2,705,918, Cl. 101—183.  
 Koch, Werner, to Faber & Schleicher Aktiengesellschaft. 2,714,351, Cl. 101—184.  
 Koch, Werner, and H.-U. Harten, to Licentia Patent-Verwaltungs G. m. b. H. 2,703,855, Cl. 317—234.  
 Koch, William H., and E. Strom; said Strom assor. to said Koch. 2,727,323, Cl. 39—55.  
 Koch, William J., to American Meter Co., Inc. 2,706,124, Cl. 286—5.  
 Kocher, Hans, to Büren Watch Co. S. A. 2,707,371, Cl. 58—82.  
 Kochert, Leonard P. 2,727,249, Cl. 4—213.  
 Kochevar, Henry J., to Bendix Aviation Corp. 2,712,094, Cl. 315—27.  
 Kochner, William B., to Knapp-Monarch Co. 2,720,329, Cl. 215—40.  
 Kochner, William B., to Knapp-Monarch Co. 2,722,114, Cl. 64—7.  
 Koci, Josef: *See—*  
   Lehr, Philip N., and Koci. 2,717,937.  
 Kocian, Charles J. 2,707,748, Cl. 240—62.7.  
 Kock, Winston E., to Bell Telephone Laboratories, Inc. 2,701,617, Cl. 181—33.  
 Kock, Winston E., to Bell Telephone Laboratories, Inc. 2,712,067, Cl. 250—33.63.  
 Kocks, Friedrich. 2,704,662, Cl. 266—24.  
 Kocks, Friedrich, G. m. b. H.: *See—*  
   Severin, Jose. 2,709,846.  
 Kocsi, Louis. 2,720,777, Cl. 70—456.  
 Kodama, George T., to Sprague Electric Co. 2,706,798, Cl. 317—242.  
 Kodama, Shinjiro, T. Goto, D. Komiyama, T. Ota, and N. Zen. 2,716,629, Cl. 202—39.5.  
 Kodet, Gustav, to Borg-Warner Corp. 2,727,529, Cl. 137—469.  
 Kodef, Gustav, N. B. Dewees, L. R. Melvin, and L. G. Burns, to Borg-Warner Corp. 2,715,367, Cl. 103—87.  
 Koebner, Adolf, to Lankro Chemicals Ltd. 2,719,101, Cl. 154—140.  
 Koefoed, Karl E. 2,700,569, Cl. 296—24.  
 Koehl, Herman, to C. E. M. Co. 2,705,071, Cl. 206—80.  
 Koehl, James A., to Central Commercial Industries, Inc. 2,710,556, Cl. 84—1.09.  
 Koehler, Fred to Hamilton Watch Co. 2,717,487, Cl. 58—107.  
 Koehler, Gordon T.: *See—*  
   Koehler, Gustave J. and G. T. 2,698,731.  
 Koehler, Gustave J. and G. T. 2,698,731, Cl. 251—172.  
 Koehler, John G. 2,714,335, Cl. 1—10.



- Koehler Mfg. Co.: *See*—  
Wheat, Grant, and Lozeau. 2,709,238.
- Koehler, Wayne, to R. Stenzel Foods, Inc. 2,713,431, Cl. 214—315.
- Koehnke, John H., and M. E. Speeter, to The Upjohn Co. 2,704,763, Cl. 260—319.
- Koehnke, John H., and M. E. Speeter, to The Upjohn Co. 2,707,187, Cl. 260—319.
- Koehring Co.: *See*—  
Beckwith, Raymond A. 2,728,463.
- Koelle, Otto, to Bronwill Scientific, Inc. 2,699,378, Cl. 23—252.
- Koelle, Otto, to Bronwill Scientific, Inc. 2,703,014, Cl. 73—401.
- Koenecke, Donald F.: *See*—  
McKay, John F., Jr., and Koenecke. 2,705,703.  
Nelson, Joseph F., McKay, and Welch, and Koenecke. 2,701,780.
- Koenecke, Donald F., and M. H. Mahan, to Esso Research and Engineering Co. 2,709,662, Cl. 106—265.
- Koenig, Martin F., to Cutler-Hammer, Inc. 2,723,571, Cl. 74—528.
- Koenig, Martin F., to Cutler-Hammer, Inc. 2,726,105, Cl. 286—15.
- Koenig, Philipp: *See*—  
Depmer, Wilhelm, Hepp, and Koenig. 2,707,712.
- Koeniger, Karl W.: *See*—  
Sheffield, William H., Koeniger, and Hemming. 2,714,559.
- Koeper, Casper J.: *See*—  
Swipp, Stanley W., Koeper, Kester, and Olson. 2,720,818.
- Koeper, Casper J., F. P. Gilhooly, and S. Wasserman, to the United States of America as represented by the Secretary of the Army. 2,704,033, Cl. 102—49.
- Koepsell, Harold J.: *See*—  
Tsuchiya, Henry M., Hellman, and Koepsell. 2,724,679.
- Koepsell, Harold J., F. H. Stodola, and E. S. Sharpe, to the United States of America as represented by the Secretary of Agriculture. 2,724,680, Cl. 195—47.
- Koepsell, Harold J., N. N. Hellman, and H. M. Tsuchiya, to the United States of America as represented by the Secretary of Agriculture. 2,726,190, Cl. 195—31.
- Koerner, Harry E., and J. H. Bantz, to Westinghouse Electric Corp. 2,701,744, Cl. 311—6.
- Koerner, Harry E., and R. J. Wagner, to Westinghouse Electric Corp. 2,712,080, Cl. 250—55.
- Koerner, Julian A., and K. B. Meyer, to National Lead Co. 2,728,808, Cl. 136—27.
- Koerner, William: *See*—  
Togstad, Erling G. 2,725,750.
- Koertge, Nobel H.: *See*—  
Johnson, Arthur B., Jr., Koertge, and Rucks. 2,713,104.  
Rucks, Edward L., and Koertge. 2,713,092.
- Koertge, Nobel H., and E. L. Rucks, to Furnas Electric Co. 2,707,213, Cl. 200—18.
- Koester, Frederick A. 2,701,172, Cl. 309—4.
- Koester, George S.: *See*—  
Abbott, Joel T. 2,698,877.
- Koethke, Dean. 2,711,351, Cl. 305—10.
- Koff, Alexander. 2,722,404, Cl. 257—137.
- Koff, Fred W. 2,707,471, Cl. 128—341.
- Koff, Fred W. 2,707,956, Cl. 128—341.
- Koffler, Maksymilian K. 2,716,064, Cl. 99—11.
- Koffler, Samuel, and H. J. Santoro. 2,705,030, Cl. 144—32.
- Koffler, Sol. 2,714,945, Cl. 190—28.
- Koffman, Ben, and M. Davis. 2,728,129, Cl. 26—68.
- Kofford, Reed S. 2,724,402, Cl. 137—408.
- Kogel, Wilhelm G., to Aktiebolaget Elektrolux. 2,704,926, Cl. 62—99.
- Kögel, Wilhelm G., and G. A. Grubb, to Aktiebolaget Elektrolux. 2,702,457, Cl. 62—95.
- Kogel, Wilhelm G., and G. A. Grubb, to Aktiebolaget Elektrolux. 2,702,990, Cl. 62—95.
- Koh, Pun K., to Allegheny Ludlum Steel Corp. 2,698,813, Cl. 117—50.
- Kohl, Charles F., to Dow Corning Corp. 2,721,854, Cl. 260—44.
- Kohl, Gerald C. 2,712,314, Cl. 128—215.
- Köhler, Horst, and Helmut Knutti, to C. Zeiss. 2,721,500, Cl. 88—57.
- Kohler, John B. 2,707,083, Cl. 242—75.
- Köhler, Robert. 2,706,491, Cl. 137—540.
- Kohn, Gustave K., to California Spray-Chemical Corp. 2,704,291, Cl. 260—347.4.
- Kohn, Gustave K., to California Spray-Chemical Corp. 2,719,783, Cl. 71—2.5.
- Kohn, Gustave K., to California Spray-Chemical Corp. 2,719,784, Cl. 71—2.5.
- Köhnenkamp, Johann, to H. C. Stulcken Sohn. 2,705,469, Cl. 115—34.
- Kohr, Hilton G.: *See*—  
Blaisdell, Charles O., Kohr, and Snorek. 2,698,643.
- Kohrt, Hans-Ulrich: *See*—  
Eisenlohr, Karl-Heinz, Jauernik, and Kohrt. 2,701,753.
- Koile, Ross E. 2,704,942, Cl. 74—243.
- Kolled Kords Inc.: *See*—  
Collins, Ralph D. 2,723,381.
- Koinig, Frank W.: *See*—  
Lockrey, Andrew J., and Koinig. 2,714,062.
- Kok, Marinus, to N. V. Betonfabriek "De Meteor." 2,699,354, Cl. 294—96.
- Kokalas, Edward: *See*—  
Swanson, George J., and Kokalas. 2,716,744.  
Swanson, George J., Uline, and Kokalas. 2,715,212.
- Kokernot, John W.: *See*—  
Carter, Harry B. 2,706,874.
- Kolak, Leon J. 2,700,090, Cl. 218—5.
- Kolar, Robert F.: *See*—  
Johnson, Ernest O., and Kolar. 2,714,659.
- Kolb, Joseph E., to Edwin L. Wiegand Co. 2,722,595, Cl. 219—44.
- Kolb, Otto: *See*—  
Fragola, Caesar F., and Kolb. 2,700,898.
- Kolbe, Frank F., to The United Electric Coal Companies. 2,700,235, Cl. 37—190.
- Kolbe, Frank F., to The United Electric Coal Co's. 2,724,492, Cl. 198—202.
- Kolderup, Le Roy E. 2,725,192, Cl. 235—61.
- Kolisch, Emil, to Continental Silver Co. Inc. Re. 23,945, Cl. 235—61.
- Kolisch, Emil, to Continental Silver Co. Inc. 2,708,368, Cl. 73—432.
- Kolisch, Emil, to Continental Silver Co. Inc. 2,725,193, Cl. 235—61.
- Kolisch, Emil, to Continental Silver Co., Inc. 2,727,391, Cl. 73—432.
- Kolka, Alfred J.: *See*—  
Closson, Rex D., Kolka, and Ligett. 2,728,802.
- Kolka, Alfred J., to Ethyl Corp. 2,725,407, Cl. 260—650.
- Koll, Andrew J., to Bendix Aviation Corp. 2,715,243, Cl. 16—126.
- Koller, Lewis R., to General Electric Co. 2,709,765, Cl. 313—108.
- Koller, Lewis R., to General Electric Co. 2,717,844, Cl. 117—211.
- Kollgaard, Reyner, to Houdry Process Corp. 2,701,232, Cl. 196—52.
- Kollgaard, Reyner, to Houdry Process Corp. 2,707,148, Cl. 48—201.
- Kollgaard, Reyner, to Houdry Process Corporation. 2,715,048, Cl. 302—53.
- Kolling, Helmut: *See*—  
Tramm, Heinrich, Geiser, and Kolling. 2,705,734.
- Kollman, Jack: *See*—  
Russell, John J., Beck, and Kollman. 2,724,526.
- Kollmann, Kurt, to Anker-Werke A. G. 2,714,487, Cl. 235—27.
- Kollman Instrument Corp.: *See*—  
Eckweiler, Howard J., Jr. 2,713,134.
- Goudy, Paul R. 2,701,474.
- Kolodziej, Edward: *See*—  
Anderson, Leslie V., Targosh, and Kolodziej. 2,719,704.
- Kolos, Lajos, to "Licencia" Találmanyokat Értékesítő Vállalat. 2,710,623, Cl. 137—223.
- Kolsky, Alexander R., to Baker Oil Tools, Inc. 2,717,649, Cl. 166—225.
- Kolstad, Welding J. 2,712,122, Cl. 339—205.
- Kolze, Herbert F.: *See*—  
Nicolai, Harold, and Kolze. 2,723,021.
- Komiyama, Daisuke: *See*—  
Kodama, Shinjiro, Goto, Komiyama, Ota, and Zen. 2,716,629.
- Komkommer, Jozef: *See*—  
Roos, Siegfried. 2,715,306.  
Roos, Siegfried. 2,725,696.
- Komline, Thomas R. 2,699,260, Cl. 210—169.
- Kompaniez, Alexandria: *See*—  
Gresham, William F., Kompaniez, and Livermont. 2,726,891.
- Kompaniez, Maurice: *See*—  
Gresham, William F., Kompaniez, and Livermont. 2,726,891.
- Komuchar, Victor J.: *See*—  
Raney, Russell R., Komuchar, and Bing. 2,704,166.  
Raney, Russell R., Komuchar, Gammie, and Evans. 2,726,501.
- Komuchar, Victor J., and J. E. Gammie, to International Harvester Co. 2,726,652, Cl. 130—30.
- Komusin, Erich, to Telefonbau und Normalzeit G. m. b. H. 2,722,381, Cl. 235—101.
- Komusin, Erich. 2,727,687, Cl. 235—101.
- Konecny, Theodore. 2,704,989, Cl. 114—5.
- Konefes, Joseph H.: *See*—  
Anderson, Florence B., and Konefes. 2,707,808.
- Konefes, Joseph H., to Motor Products Corp. 2,711,839, Cl. 215—12.
- Konet, Henry, G. W. Boehm, and C. E. Hurlburt, to Bendix Aviation Corp. 2,726,457, Cl. 33—222.
- König, Otto, to National Lead Company. 2,715,084, Cl. 148—23.
- Konigsberg, Moses: *See*—  
Austin, Herbert F., Jr., Konigsberg, Morrison, and Campins. 2,716,617.
- Koniuszy, Frank R., and K. Folkers, to Merck & Co., Inc. 2,701,249, Cl. 260—309.2.
- Konola, Frank R. 2,723,578, Cl. 81—15.
- Konstandt, Francisco G. 2,705,377, Cl. 34—163.
- Kontoff, Saul, and I. Rubin. 2,707,506, Cl. 150—52.
- Kontra, George S., Sr. 2,712,253, Cl. 81—15.
- Konz, Wilhelm, and C. Vogelbach, to "C. H. Boehringer Sohn." 2,719,868, Cl. 260—648.
- Koogle, John D. 2,725,048, Cl. 124—11.
- Kooi, Earl R., and E. C. Snyder, to Corn Products Refining Co. 2,712,516, Cl. 195—48.
- Kooistra, John A., to Davis & Furber Machine Co. 2,717,519, Cl. 74—230.17.
- Kool Kooshion Mfg. Co.: *See*—  
Larson, Adlowe L. 2,711,344.



- Kools Brothers, Inc.: *See*—  
Kools, Edward V. 2,715,513.  
Kools, Edward V., to Kools Brothers, Inc. 2,715,513, Cl. 256—21.  
Kools, William A. 2,728,358, Cl. 139—55.  
Koon, Archie W., to Columbian Rope Co. 2,703,300, Cl. 154—116.  
Koonce, James W. 2,722,210, Cl. 123—196.  
Koons, Lloyd O., and E. C. Dreby, 3rd, to Scholler Brothers, Inc. 2,702,737, Cl. 8—128.  
Koonter, Carlton G. 2,701,113, Cl. 248—205.  
Koonter, Carlton G., to George C. Knight Co. 2,726,575, Cl. 88—98.  
Koontz, Pierce W. 2,704,204, Cl. 255—319.  
Kooperativa Forbundet Forening u. p. a.: *See*—  
Ekelund, Einar A. 2,701,205.  
Ekelund, Einar A. 2,711,129.  
Koopmans, Adriaan, to Hartford National Bank and Trust Co., trustee. 2,707,096, Cl. 257—241.  
Koot, Nicolaas L. H.: *See*—  
Montgomery, Richard F., and Koot. 2,719,361.  
Montgomery, Richard F., and Koot. 2,719,362.  
Montgomery, Richard F., and Koot. 2,719,363.  
Montgomery, Richard F., Koot, and Garrison. 2,726,848.  
Kootz & Stroehman Machine Co.: *See*—  
Stroehman, Milton W. 2,714,996.  
Kopczynski, John F. 2,701,433, Cl. 51—236.  
Kopczynski, John F. 2,709,322, Cl. 51—134.5.  
Kopczynski, John F. 2,711,221, Cl. 180—22.  
Kopczynski, John F. 2,727,342, Cl. 51—216.  
Kopelowicz, Abraham. 2,708,969, Cl. 164—60.  
Kopf, Joseph L., to Jabez Burns & Sons, Inc. 2,716,936, Cl. 99—236.  
Kopf, Solomon W. 2,726,427, Cl. 20—71.  
Koplin, Peter F., to Ingersoll-Rand Co. 2,703,739, Cl. 309—43.  
Kopp, Anton: *See*—  
Van der Kaa, Jean J. A., and Kopp. 2,728,245.  
Kopp, Harry L., and L. W. Manley, to Socony-Vacuum Oil Co. Inc. 2,704,745, Cl. 252—37.2.  
Kopp, Lester G., to Harry Ferguson, Inc. 2,715,864, Cl. 97—46.35.  
Kopp Scientific, Inc.: *See*—  
Broadwin, Samuel M. 2,705,494.  
Kopp, Seymour, and B. Herz. 2,703,821, Cl. 179—6.  
Kopp, Sigmund, to American Locomotive Co. 2,711,266, Cl. 220—55.  
Koppen, Otto C., to Helio Aircraft Corp. 2,719,014, Cl. 244—13.  
Koppers Co., Inc.: *See*—  
Christensen, John C., and Fair. 2,727,832.  
D'Alelio, Gaetano F. 2,699,436.  
D'Alelio, Gaetano F. 2,699,437.  
D'Alelio, Gaetano F. 2,703,317.  
D'Alelio, Gaetano F. 2,712,537.  
Doll, Franz, and Van Ackeren. 2,721,573.  
Fair, William F., Jr. 2,701,217.  
Fair, William F., Jr. 2,701,219.  
Gollmar, Herbert A. 2,709,126.  
Gollmar, Herbert A. 2,719,595.  
Griffin, Francis R. 2,726,111.  
Grim, John M. 2,715,118.  
Haynes, Pierre E. 2,716,332.  
Henseleit, Georg. 2,712,463.  
Homan, Paul J. 2,724,514.  
Linder, Willy. 2,716,597.  
Linder, Willy, and Häberle. 2,714,670.  
Marsell, Philip A., and Teller. 2,701,774.  
Rice, Owen R. 2,707,399.  
Sarchet, Bernard R. 2,709,683.  
Schmidtman, Hans. 2,707,081.  
Schofield, Wilfred C., and Whitcomb. 2,717,759.  
Totzek, Friedrich. 2,702,743.  
Totzek, Friedrich. 2,702,744.  
Totzek, Friedrich. 2,709,152.  
Urban, William J. 2,710,183.  
Weissenborn, Adolf. 2,710,281.  
Kops, Earl A.: *See*—  
Gross, John N., Kops, and Peck. 2,714,727.  
Korber, Jesse H. 2,728,170, Cl. 51—33.  
Körber, Kurt, & Co. K. G.: *See*—  
Abramowski, Bruno. 2,713,761.  
Schubert, Bernhard. 2,714,384.  
Korda, Nicholas: *See*—  
Harris, George R. 2,707,940.  
Korda, Peter B.: *See*—  
Pollack, Sol, and Korda. 2,718,054.  
Kordas, Frank A.: *See*—  
Kordas, Martin W. and F. A. 2,723,009.  
Kordas, Martin W. and F. A. 2,723,009, Cl. 192—3.  
Kordes, Karl. 2,710,357, Cl. 307—110.  
Korecky, Edward J., to Barmatic Machines, Inc. 2,699,600, Cl. 29—235.  
Korejwa, Alfred, and L. J. Reader, to Wyandotte Chemicals Corp. 2,709,160, Cl. 260—27.  
Koren, George J., to Pettibone Mulliken Corp. 2,708,034, Cl. 209—223.  
Koren, Heiman W., to Sonotone Corp. 2,699,470, Cl. 179—100.41.  
Koren, Heiman W., to Sonotone Corp. 2,708,213, Cl. 136—166.  
Koren, Heiman W., and G. Baumstark, to Sonotone Corp. 2,708,211, Cl. 136—28.  
Koren, Heiman W., and G. Baumstark, to Sonotone Corp. 2,708,212, Cl. 136—28.  
Koren, Louis: *See*—  
Reykjalín, Charles. 2,717,781.  
Koreska, Wilhelm, and R. Lausch. 2,717,578, Cl. 120—42.16.  
Korkosz, Frank D. 2,728,246, Cl. 74—675.  
Korma Mills Ltd.: *See*—  
Baumber, Leonard. 2,704,445.  
Korman, Nathaniel I., to Radio Corp. of America. 2,702,342, Cl. 246—30.  
Korn, Estol P. 2,700,075, Cl. 179—185.  
Korn, Franklin A.: *See*—  
Hall, Nathan I., Korn, and Powell. 2,714,632.  
Kornei, Otto, to Clevite Corp. 2,704,789, Cl. 179—100.2.  
Kornei, Otto, to Clevite Corp. 2,711,945, Cl. 346—74.  
Kornhauser, Max. 2,725,573, Cl. 2—247.  
Kornhauser, Saunders, and L. W. Bundy, to The Standard Oil Co. 2,719,780, Cl. 23—262.  
Korsgaard, Paul H., to Tee-Pak, Inc. 2,706,165, Cl. 154—126.5.  
Korsmo, Torbjorn C., to Madison-Kipp Corp. 2,708,372, Cl. 74—110.  
Kortenbach & Rauh K. G.: *See*—  
Kiel, Heinrich J., and Granrath. 2,711,182.  
Kosar, Michael. 2,720,336, Cl. 221—91.  
Kosatka, Thomas O., to Victor Mfg. & Gasket Co. 2,709,098, Cl. 288—3.  
Kosbahn, Thomas: *See*—  
Sachsse, Hans, Kosbahn, and Lehrer. 2,715,648.  
Kosbahn, Thomas, and E. Lehrer, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,719,184, Cl. 260—679.  
Koschak, John K., Jr. 2,718,059, Cl. 30—228.  
Koschatzky, Bruno, and G. Parini, to Pirelli Societa per Azioni. 2,712,394, Cl. 220—8.  
Koscher, Gustave, and A. Congelliere. 2,720,023, Cl. 30—164.8.  
Kosek, Alexander, to Naumkeag Steam Cotton Co. 2,698,659, Cl. 164—34.  
Kosel, Paul. 2,700,292, Cl. 70—150.  
Koser, Ralph B., trustee: *See*—  
Nagey, Tibor F. and P. A. 2,699,270.  
Koser, Russell H.: *See*—  
Falcione, Louis. 2,709,296.  
Kosikar, Mary. 2,725,654, Cl. 41—10.  
Koski, Francis A. E. 2,725,843, Cl. 116—114.  
Kosloski, Clement L.: *See*—  
Lecher, Hans Z., and Kosloski. 2,727,922.  
Koslow, George E.: *See*—  
Roberts, Samuel B., Roughsedge, Edelman, and Koslow. 2,713,980.  
Kosmin, Milton, to Monsanto Chemical Co. 2,717,909, Cl. 260—567.6.  
Kossoff, Joseph: *See*—  
Handler, Elliot, Kossoff, and Stormon. 2,705,387.  
Kosolapoff, Gennady M., to Monsanto Chemical Co. 2,720,535, Cl. 260—461.  
Kosovsky, Joseph. 2,722,469, Cl. 312—310.  
Koss, Walter. 2,724,880, Cl. 22—38.  
Koster, Frank, to Vogel Tool & Die Corp. 2,704,124, Cl. 164—50.  
Kostriza, John A.: *See*—  
Grieg, Donald D., Engelmann, and Kostriza. 2,710,946.  
Grieg, Donald D., Engelmann, and Kostriza. 2,725,535.  
Kostyo, Jerry: *See*—  
Copas, Robert B., and Kostyo. 2,719,640.  
Kotchka, James. 2,708,061, Cl. 224—5.  
Kotheimer, Carl H.: *See*—  
Radke, Harold H., and Kotheimer. 2,726,733.  
Kotsch, William E.: *See*—  
Cressman, George W., Kotsch, and Severin. 2,726,965.  
Kott, John. 2,722,683, Cl. 1—47.  
Kotte, Jan J., to Hartford National Bank and Trust Co. 2,699,937, Cl. 271—2.3.  
Kottler, August, and E. Seeger, to Dr. Karl Thomae G. m. b. H. Chemisch-pharmazeutische Fabrik. 2,710,299, Cl. 260—404.  
Kottler, August, and E. Seeger, to "Dr. Karl Thomae G. m. b. H., Chemisch-pharmazeutische Fabrik." 2,714,109, Cl. 260—295.5.  
Kottmann, Arthur A., to Bettendorf Bakery Equipment Co. 2,702,572, Cl. 146—169.  
Kottmann, Arthur A., to F. C. Wallace. 2,717,560, Cl. 107—4.  
Kottmann, Arthur A., to F. C. Wallace. 2,724,351, Cl. 107—57.  
Kottmeyer, William F.: *See*—  
Minogue, Curtis H., and Kottmeyer. 2,703,836.  
Koudela, Gerhard, and K. Wintersberger, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,719,076, Cl. 23—137.  
Kough, Harold R., to International Telephone and Telegraph Corp. 2,707,274, Cl. 339—198.  
Koukios, Samuel M.: *See*—  
Hoop, Frederick R. 2,713,827.  
Koury, Frederic, to Sylvania Electric Products Inc. 2,721,834, Cl. 204—23.  
Kovac, Ferdinand, to W. Bahlisen. 2,720,338, Cl. 221—243.  
Kovach, Frank, to Pixley Truck Sales Co. 2,719,512, Cl. 121—82.  
Kovach, Leslie, to Radio Corp. of America. 2,701,320, Cl. 313—82.  
Kovacs, John. 2,728,613, Cl. 308—89.



- Kovacs, Julius P., to Purolator Products, Inc. 2,711,725, Cl. 123—198.  
 Koval, Walter C. 2,716,810, Cl. 30—47.  
 Kovalchik, Everett J., and J. J. Pastor. 2,720,365, Cl. 242—84.5.  
 Kowal, Michael H., to Empire Box Corp. 2,712,397, Cl. 220—113.  
 Kowalik, John J., to International Harvester Co. 2,706,032, Cl. 198—104.  
 Kowalski, Conrad S.: *See—*  
   Gimalouski, Edward A., and Kowalski. 2,726,832.  
 Kowalsky, Edward J. 2,723,887, Cl. 311—21.  
 Kowarsky, Isadore. 2,722,484, Cl. 106—135.  
 Kowenstrot, Howard W., and F. C. Wohlrabe, to Atomite Co. 2,728,648, Cl. 48—190.  
 Kowolik, Ernest J., and J. W. Fisher, to British Celanese Ltd. 2,705,225, Cl. 260—31.2.  
 Kowolik, Ernest J., J. Downing, and J. G. N. Drewitt, to British Celanese Ltd. 2,706,185, Cl. 260—29.6.  
 Kozacik, Alfred P.: *See—*  
   Reiff, Orland M., and Kozacik. 2,700,673.  
 Kozacka, Frederick J., to The Chase-Shawmut Co. 2,703,352, Cl. 200—131.  
 Koziba, Artom M. 2,707,286, Cl. 4—57.  
 Kozimor, Frank S.: *See—*  
   Dussault, Marcel A. 2,710,233.  
 Kozminski, Arthur B. 2,712,908, Cl. 242—99.  
 Kozub, Stanley S. 2,709,027, Cl. 224—29.  
 Kracklauer, Aloysius C. 2,720,983, Cl. 210—181.  
 Kraeling, Harry A., Jr., to Tricon Inc. 2,700,547, Cl. 273—162.  
 Kraemer, Forrest R.: *See—*  
   Mangel, Laverne E., and Kraemer. 2,728,161.  
 Kraetsch, Ralph B.: *See—*  
   Rapp, Gustav W. 2,705,695.  
 Kraft, Frederick G., to The Thompson Grinder Co. 2,723,505, Cl. 51—141.  
 Kraft, El Roy J., to The Dole Valve Co. 2,698,701, Cl. 222—133.  
 Kraft Foods Co.: *See—*  
   Aberlin, Fred. 2,700,821.  
   Bell, Kenneth, and Fisher. 2,692,285.  
   Fisher, Guy N. 2,702,648.  
   Hastings, Ward E. 2,711,020.  
   Page, Roscoe A., and Lavalie. 2,719,793.  
   Schwartz, Eugene J. 2,710,105.  
   Sullivan, Frank N. 2,701,091.  
 Kraft, Helmut and K., to Knoll A.-G. Chemische Fabriken 2,721,143, Cl. 99—222.  
 Kraft, Herman T., to The General Tire and Rubber Co. 2,700,795, Cl. 18—18.  
 Kraft, Herman T., to The General Tire and Rubber Co. 2,708,994, Cl. 192—88.  
 Kraft, Herman T., and J. P. Kaenan, to The General Tire and Rubber Co. 2,710,424, Cl. 18—18.  
 Kraft, Howard W.: *See—*  
   Hobson, Gordon G. 2,702,551.  
 Kraft, Hyman D. 2,718,809, Cl. 85—2.  
 Kraft, Kurt: *See—*  
   Kraft, Helmut and K. 2,721,143.  
 Krahler, Stanley E.: *See—*  
   Libby, James W., Jr., and Krahler. 2,700,046.  
   Wirth, Walter V., and Krahler. 2,700,053.  
 Krajian, George S. 2,722,762, Cl. 40—130.  
 Krakower, Aaron M.: *See—*  
   Sims, Marion W., Hill, and Krakower. 2,717,335.  
 Kramcsak, Michael, Jr., to The Bassick Co. 2,699,567, Cl. 16—42.  
 Kramcsak, Michael, Jr., to The Bassick Co. 2,707,794, Cl. 16—35.  
 Kramcsak, Michael, Jr., to The Bassick Co. 2,721,766, Cl. 301—133.  
 Kramer, Alexander E., and H. A. Matson, to the United States of America as represented by the Secretary of the Army. 2,715,856, Cl. 89—43.  
 Kramer, Beatrice F. 2,714,718, Cl. 2—70.  
 Kramer, Clarence F., to Ford Motor Co. 2,709,105, Cl. 296—1.  
 Kramer, Clarence F., to Ford Motor Co. 2,712,359, Cl. 180—90.6.  
 Kramer, David, and O. H. Stapp, to Air Vent Awning Co. 2,722,042, Cl. 20—57.5.  
 Kramer, Edward F. 2,715,760, Cl. 25—131.  
 Kramer, Frank. 2,719,569, Cl. 155—35.  
 Kramer, Israel: *See—*  
   Nussbaum, Otto J., and Kramer. 2,704,924.  
 Kramer, Israel, to Mercer Engineering Co. 2,699,043, Cl. 62—3.  
 Kramer, Israel, to Mercer Engineering Co. 2,718,764, Cl. 62—3.  
 Kramer, Lawrence I., to R. R. Donnelley & Sons Co. 2,700,462, Cl. 206—60.  
 Kramer, Lyle L. 2,705,847, Cl. 42—7.  
 Kramer, Murray B., to Richlite Mfg. Co. 2,728,503, Cl. 224—42.45.  
 Kramer Trenton Co.: *See—*  
   Nussbaum, Otto J., and Kramer. 2,704,924.  
 Kramer, William F.: *See—*  
   Terry, Matson C., and Kramer. 2,713,247.  
 Kranick, Frank N. G. 2,725,151, Cl. 214—17.  
 Krantz, Ernest H. 2,723,404, Cl. 9—9.  
 Krantz, H. Söhne: *See—*  
   Buysch, Heinrich A., and Bochmann. 2,724,888.  
 Kranz, William J., to Viko Furniture Corp. 2,706,519, Cl. 155—194.  
 Krapf, John A. 2,708,949, Cl. 138—31.  
 Krasno, Louis R. 2,706,755, Cl. 200—85.  
 Krasno, Louis R. 2,717,598, Cl. 123—216.  
 Krasno, Louis R. 2,724,847, Cl. 15—104.  
 Krasno, Maxwell R., to Gar Wood Industries, Inc. 2,706,565, Cl. 214—75.  
 Krasno, Maxwell R., to Raytheon Mfg. Co. 2,721,259, Cl. 250—7.  
 Krasnow, Shelley, and M. J. Test, to Schlumberger Well Surveying Corp. 2,702,352, Cl. 250—83.6.  
 Krasnow, Shelley, and M. J. Test, to Schlumberger Well Surveying Corp. 2,709,753, Cl. 250—83.6.  
 Kratt, William. 2,726,567, Cl. 84—377.  
 Kratochvil, Kenneth V., and W. D. Voelker, to Leeds and Northrup Co. 2,718,576, Cl. 201—63.  
 Kratt, William, and E. J. Ens, to Wm. Kratt Co. 2,700,245, Cl. 46—7.  
 Kratt, William, and E. J. Ens, to Wm. Kratt Co. 2,726,566, Cl. 84—375.  
 Kratt, Wm., Co.: *See—*  
   Kratt, William, and Ens. 2,700,245.  
   Kratt, William, and Ens. 2,726,566.  
 Kratz, Arthur B. 2,706,302, Cl. 15—103.5.  
 Kratzer, Myron B., to Stanolind Oil and Gas Co. 2,704,293, Cl. 260—450.  
 Kraus, Charles E., to Excelermatic, Inc. 2,701,970, Cl. 74—200.  
 Kraus, Charles E. 2,716,801, Cl. 29—105.  
 Kraus, Philip B., to E. I. du Pont de Nemours and Co. 2,718,279, Cl. 183—120.  
 Krause, Arthur W., to The Gas Machinery Co. 2,709,128, Cl. 23—288.  
 Krause, Christian O. F. 2,702,530, Cl. 121—53.  
 Krause, David T., to Wheeling Machine Products Co. 2,713,714, Cl. 29—95.  
 Krause, Erwin W., to Allis-Chalmers Mfg. Co. 2,714,520, Cl. 287—52.06.  
 Krause, Frank R., to The McKay Machine Co. 2,701,976, Cl. 80—40.  
 Krause, Gerhard P., to Loewy Construction Co., Inc. 2,715,459, Cl. 207—3.  
 Krause, Harry J.: *See—*  
   Smith, James D., and Krause. 2,700,613.  
 Krause, Herbert, to Chicago Forging and Mfg. Co. 2,722,136, Cl. 74—539.  
 Krause, Irving A., to International Telephone and Telegraph Corp. 2,720,555, Cl. 178—69.5.  
 Krause, Jack H., to Standard Oil Co. 2,717,859, Cl. 196—35.  
 Krause, Jack H., to Standard Oil Co. 2,727,851, Cl. 196—30.  
 Krauskopf, Wilhelm, to Zeiss Ikon A. G., Stuttgart. 2,710,911, Cl. 240—41.  
 Krauss, Carl. 2,726,907, Cl. 308—227.  
 Krauss, David G. 2,725,194, Cl. 235—84.  
 Krauss, Earl J.: *See—*  
   Krauss, Stanley G., E. J., and R. J. 2,715,824.  
 Krauss-Maffei A. G.: *See—*  
   Emele, Günther, and Gundermann. 2,722,202.  
 Krauss, Robert J.: *See—*  
   Krauss, Stanley G., E. J., and R. J. 2,715,824.  
 Krauss, Stanley G., E. J., and R. J. 2,715,824, Cl. 66—93.  
 Krauss, Wolfgang W., and R. F. Below, to Republic Steel Corp. 2,724,465, Cl. 189—34.  
 Kraut, Maurice. 2,720,580, Cl. 219—34.  
 Krawinkel, Guenther H. 2,711,478, Cl. 250—27.  
 Krawinkel, Guenther H. 2,718,610, Cl. 315—17.  
 Kraybill, Daniel W., to Northrop Aircraft, Inc. 2,719,500, Cl. 113—44.  
 Kraybill, Victor H. 2,719,266, Cl. 324—123.  
 Krayl, Gerhard M. 2,699,784, Cl. 128—333.  
 Krichma, Ignace J., to E. I. du Pont de Nemours and Co. 2,701,180, Cl. 23—87.  
 Kremer, William H., to American Viscose Corp. 2,715,382, Cl. 116—114.  
 Krebs, Edward L. 2,718,230, Cl. 131—125.  
 Krebs, Ernst T., and E. T. Krebs, Jr. 2,703,778, Cl. 167—73.  
 Krebs, Ernst T., and E. T. Krebs, Jr. 2,710,876, Cl. 260—482.  
 Krebs, Ernst T., Jr.: *See—*  
   Krebs, Ernst T., and E. T. Krebs, Jr. 2,703,778.  
   Krebs, Ernst T., and E. T. Krebs, Jr. 2,710,876.  
 Krebs, Robert W.: *See—*  
   Kimberlin, Charles N., Jr., Mason, and Krebs. 2,721,168.  
 Krebs, Robert W., to Esso Research and Engineering Co. 2,709,676, Cl. 202—14.  
 Kreek, Petrus J., and P. H. Teunissen, to American Enka Corp. 2,706,159, Cl. 106—122.  
 Krehbiel, Robert D.: *See—*  
   Lindeman, Jesse G., Heintz, Krehbiel, and Durland. 2,713,298.  
   Lindeman, Jesse G., and Krehbiel. 2,708,906.  
 Kreidel, Hans, and H. Kreidel, Jr. 2,701,149, Cl. 285—122.  
 Kreidel, Hans, Jr.: *See—*  
   Kreidel, Hans, and H. Kreidel, Jr. 2,701,149.  
 Kreidl, Werner H. 2,704,382, Cl. 18—47.5.  
 Kreidler, Alfred. 2,709,464, Cl. 143—160.  
 Kreidler, Alfred. 2,725,759, Cl. 74—368.  
 Kreidler, Alfred. 2,726,747, Cl. 192—3.5.  
 Kreier, George J., Jr.: *See—*  
   Frank, Wallace E., Schick, and Kreier. 2,720,136.  
 Kreisher, Sherman E.: *See—*  
   Von Reis, Alf E. G., Kreisher, Quitter, and Williamson. 2,721,820.



- Kreisler, Jacques, Mfg. Corp.: *See*—  
Speck, Kurt. 2,713,445.
- Kreissig, Ernst, W. Schaefer, B. Remfert, H. Edelmeier, and W. Müller. 2,705,605, Cl. 248—354.
- Kreitlow, Otto. 2,698,712, Cl. 232—35.
- Krejci, Joseph C.: *See*—  
Cines, Martin R., and Krejci. 2,714,055.
- Kreke, Cornelius W.: *See*—  
Cook, Elton S., and Kreke. 2,719,811.
- Krekeler, Hans, to Farbwerke Hoechst Aktiengesellschaft Vormals Meister Lucius & Bruning. 2,724,006, Cl. 260—656.
- Krell, Alfred, to American Bosch Arma Corp. 2,700,119, Cl. 314—69.
- Krems, Irving J.: *See*—  
Gebhart, Arthur I., and Krems. 2,721,847.
- Kremser, Johann. 2,728,413, Cl. 184—6.
- Krengel, Charles H. 2,726,098, Cl. 280—500.
- Krenke, Vincent G., to Westinghouse Electric Corp. 2,727,964, Cl. 200—165.
- Krepps, William R., to Campbell, Wyant & Cannon Foundry Co. 2,710,997, Cl. 22—200.5.
- Krespan, Carl G., to E. I. du Pont de Nemours and Co. 2,717,261, Cl. 260—465.8.
- Kress, Adam, 50% to G. J. Handley. 2,709,435, Cl. 128—260.
- Kress, George H., and C. W. Sundberg, to International Business Machines Corp. 2,710,473, Cl. 40—124.
- Kress, Herman. 2,700,768, Cl. 2—42.
- Kress, Oscar: *See*—  
Anderson, John W., and Kress. 2,705,786.
- Kress, Ralph, to Solar Aircraft Co. 2,698,605, Cl. 121—40.
- Kressin, Georg, to Patent-Treuhand-Gesellschaft für Elektrische Glühlampen m. b. H. 2,719,128, Cl. 252—301.4.
- Kressin, Georg, to Patent-Treuhand-Gesellschaft für Elektrische Glühlampen m. b. H. 2,727,864, Cl. 252—301.4.
- Kretchmar, Gustave, to The Givaudan Corp. 2,703,310, Cl. 202—205.
- Kretchmer, Clarence M. 2,700,943, Cl. 107—14.
- Kretsch, Hans W., and F. J. Walker, to Manning, Maxwell & Moore, Inc. 2,721,962, Cl. 317—142.
- Kretzer, Sidney D. 2,716,148, Cl. 174—7.
- Kreuchunas, Algird, to E. I. du Pont de Nemours and Co. 2,719,854, Cl. 260—347.2.
- Kreuttnner, Joseph W., to Buensod-Stacey, Inc. 2,720,151, Cl. 98—38.
- Kreutzer, Carl. 2,717,564, Cl. 110—99.
- Kreuz, Kenneth L., to The Texas Co. 2,727,901, Cl. 260—319.
- Kreuzer, Friedrich, to Siemens & Halske Aktiengesellschaft. 2,721,232, Cl. 178—70.
- Krewer, William A.: *See*—  
Ayers, George W., and Krewer. 2,716,085.
- Krewson, Josephine E. 2,708,475, Cl. 155—177.
- Kreysa, Frank J., and P. C. Hereld, to Chemo Puro Mfg. Corp. 2,716,659, Cl. 260—471.
- Krichton, Carl V., to McGraw Electric Co. 2,711,474, Cl. 219—41.
- Kridel, Donald J.: *See*—  
Witala, Edwin S., and Kridel. 2,708,597.
- Krider, Merle M.: *See*—  
Wall, Monroe E., and Krider. 2,711,408.
- Kridler, Philip W. 2,728,093, Cl. 10—161.
- Kriebie, Elvin L., to Selas Corp. of America. 2,701,624, Cl. 183—70.
- Krieg, Alfred: *See*—  
MacLeod, Norman L., Krieg, Keeler, Wersits, and Somers. 2,702,684.
- Kriegbaum, Otto. 2,710,579, Cl. 103—87.
- Kriegel, Bernard: *See*—  
Ragan, Thomas M., and Kriegel. 2,701,614.
- Kriegel, Bernard, to Baker Oil Tools, Inc. 2,713,914, Cl. 166—225.
- Krieger, Alvin W., to Cutler-Hammer, Inc. 2,701,829, Cl. 200—116.
- Krieger, Larry L., to International Latex Corp. 2,713,683, Cl. 2—42.
- Krieghoff, Robert T., to United Aircraft Corp. 2,722,391, Cl. 248—5.
- Krienen, Frank, to Hartford National Bank and Trust Co., trustee. 2,719,237, Cl. 307—106.
- Kriha, Henry A.: *See*—  
Kent, George R., Kriha, and Seelert. 2,719,745.
- Krijgsman, Centinus, to Stamicarbon N. V. 2,701,641, Cl. 209—172.5.
- Krill, Karl E.: *See*—  
Everhart, John O., Krill, and Dine. 2,712,679.
- Krimmel, Carl P., to G. D. Searle & Co. 2,700,045, Cl. 260—309.6.
- Krimmel, Carl P., to G. D. Searle & Co. 2,715,130, Cl. 260—345.9.
- Krist, Joseph L. 2,713,427, Cl. 214—5.5.
- Kristen, Emil A. Re. 24,020, Cl. 113—111.
- Kristjansson, Kjartan. 2,727,244, Cl. 2—153.
- Kristoff, Donald L., to James Heddon's Sons Corp. 2,725,920, Cl. 154—42.1.
- Krivanek, Albert P. 2,711,016, Cl. 30—123.
- Kroder, Ernest A. 2,713,871, Cl. 137—197.
- Kroeck, William H., to Corning Glass Works. 2,701,215, Cl. 117—65.
- Kroehler Mfg. Co.: *See*—  
Sievert, Theodore J. 2,725,909.
- Kroeker, Sanford P.: *See*—  
Lovelady, Isaac W., and Kroeker. 2,706,531.
- Kroening, Walter F., and F. C. Irrgang, to Health Guardian Corp. 2,726,294, Cl. 200—61.05.
- Kroft, Herbert M., and M. P. Vore, to Westinghouse Electric Corp. 2,724,971, Cl. 73—462.
- Kröger, Ferdinand A., and W. Hoogenstraaten, to Hartford National Bank and Trust Co., trustee. 2,714,581, Cl. 252—301.6.
- Kroger, George H., to Studebaker-Packard Corp. 2,720,730, Cl. 51—7.
- Kroger, Marlin G., and E. O. Keizer, to Radio Corp. of America. 2,699,463, Cl. 178—69.5.
- Kroger, Martin R. 2,700,643, Cl. 202—40.
- Kröger, Martin R. 2,717,912, Cl. 260—674.
- Krogh, Arthur A., and A. Kroldrup. 2,710,543, Cl. 74—96.
- Krohm, Fred A., to Productive Inventions, Inc. 2,698,607, Cl. 121—97.
- Krohm, Fred A., to Productive Inventions, Inc. 2,706,896, Cl. 64—4.
- Krohm, Fred A., to Productive Inventions, Inc. 2,710,421, Cl. 15—250.
- Krohm, Fred A., to Productive Inventions, Inc. 2,715,238, Cl. 15—255.
- Krohm, Fred A., to Productive Inventions, Inc. 2,715,728, Cl. 15—255.
- Krohn, Herbert F., R. M. Flynn, and W. O. Sassaman; said Sassaman assor. to the United States of America as represented by the Secretary of the Army. 2,720,714, Cl. 36—7.5.
- Krohn, Ivar T., to Ethyl Corp. 2,727,053, Cl. 260—437.
- Krohne, Kurt U. 2,711,731, Cl. 128—67.
- Krokstrand, Hans H., to Christiania Spigewerk. 2,713,678, Cl. 340—239.
- Kroldrup, Axel: *See*—  
Krogh, Arthur A., and Kroldrup. 2,710,543.
- Kroll, Cornelius: *See*—  
Alimanestiano, Mihai. 2,707,054.
- Kroll, H. David: *See*—  
Harris, Albert P., and Kroll. 2,721,408.
- Kroll, Nathan J. 2,702,734, Cl. 312—275.
- Kroll, Stanley A.: *See*—  
Cooper, Benjamin, and Kroll. 2,726,594.
- Krom, Myron E., to Bell Telephone Laboratories, Inc. 2,706,749, Cl. 179—18.
- Kromer, Edward. 2,703,596, Cl. 150—40.
- Kromer, Orlando W. 2,714,531, Cl. 299—121.
- Kromer, Wilhelm. 2,719,554, Cl. 145—16.
- Kromex Corp.: *See*—  
Ziskin, Manuel S., and Billig. 2,726,825.
- Kromschröder, G., Aktiengesellschaft: *See*—  
Janssen, Helmuth, and Rings. 2,725,747.
- Kromsten, Carl B. 2,716,282, Cl. 30—310.
- Kron, Eugene: *See*—  
Rothstein, Victor L., and Kron. 2,715,700.
- Kron, Harold O., and R. C. Ball, to Philadelphia Gear Works, Inc. 2,703,991, Cl. 74—625.
- Kronen, Lawrence W., to Pittsburgh Plate Glass Company. 2,714,791, Cl. 51—263.
- Kronenberg, Marvin: *See*—  
Avins, Jack, and Kronenberg. 2,712,568.
- Kronheim, Jacob, ½ to E. E. Schwartz. 2,698,648, Cl. 155—49.
- Kronman, Albert F. 2,723,043, Cl. 216—35.
- Kronmiller, Carl G., to Minneapolis-Honeywell Regulator Co. 2,702,844, Cl. 200—139.
- Kronouer, Johan G., and J. van der Windt, to Hartford National Bank and Trust Co. 2,699,692, Cl. 76—107.
- Kropa, Edward L.: *See*—  
Oldham, Wilbur N., and Kropa. 2,718,497.
- Kropa, Edward L., and R. P. Welcher, to American Cyanamid Co. 2,703,792, Cl. 260—54.
- Kropff, Wilhelm, to Metall-Werk Meschede G. m. b. H. 2,724,525, Cl. 220—40.
- Kropp Forge Co.: *See*—  
Foster, Charles C. 2,711,659.
- Kropp, Roy A. 2,698,667.
- Kropp, Roy A., to Kropp Forge Co. 2,698,667, Cl. 180—9.1.
- Kropp, William J. 2,721,767, Cl. 302—37.
- Krotz, Alvin S., to The B. F. Goodrich Company. 2,715,022, Cl. 267—57.1.
- Krotz, Alvin S., to The B. F. Goodrich Co. 2,724,864, Cl. 18—42.
- Kroyer, John M., and A. E. Huntley, to Farmland Irrigation Co., Inc. 2,708,143, Cl. 308—16.
- Krøyer, Karl K. 2,716,792, Cl. 22—209.
- Krtous, George F., to De Vry Corp. 2,712,899, Cl. 235—91.
- Krucker, Charles F. 2,700,563, Cl. 287—2.
- Krueger, Albert F., to Electronics Corp. of America. 2,722,677, Cl. 340—227.
- Krueger, Alfred P., to Derby Sealers, Inc. 2,710,063, Cl. 164—84.5.
- Krueger, Alfred P., to Derby Sealers, Inc. 2,721,075, Cl. 271—2.3.
- Krueger, Alfred P., to Derby Sealers, Inc. 2,725,938, Cl. 164—84.5.
- Krueger, Allison F. 2,710,644, Cl. 155—95.
- Krueger, August H., Jr. 2,699,335, Cl. 272—33.
- Krueger, Leslie: *See*—  
Winther, Simon P. 2,726,445.
- Krueger, Norman F.: *See*—  
Barklow, Ermah E. 2,704,374.
- Krueger, Paul A., L. A. Patterson, R. J. Turner, and R. D. Rands, Jr., to Mallinckrodt Chemical Works. 2,723,992, Cl. 260—521.
- Krueger, Richard G., Inc.: *See*—  
Allen, Paul E. 2,699,785.
- Krueger, Roland F.: *See*—  
Litton, James W., and Krueger. 2,712,636.



- Krueger, Rudolph E., to Wallace O. Leonard, Inc. 2,728,620, Cl. 309—23.
- Krug, Albert E.: *See—*  
Dickinson, Fairleigh S., Jr., and Krug. 2,699,166.
- Krug, Albert E., to Becton Dickinson and Co. 2,701,566, Cl. 128—218.
- Krüger, August, to Anker-Werke A. G. 2,698,573, Cl. 101—109.
- Krüger, Georg: *See—*  
Günzelmann, Rudolf, Erythropel, and Krüger. 2,724,656.
- Kruger, Leslie: *See—*  
Winther, Simon P. 2,700,816.
- Kruger, Michael H., to A. L. Smith Iron Co. 2,716,224, Cl. 339—55.
- Kruger, Michael H., to A. L. Smith Iron Co. 2,721,720, Cl. 248—343.
- Kruger, William C. 2,705,677, Cl. 99—187.
- Kruger, William P., to Electrons, Inc. 2,724,786, Cl. 313—29.
- Krukonis, Alexander C., to Crompton & Knowles Loom Works. 2,699,183, Cl. 139—182.
- Krukonis, Alexander C., to Crompton & Knowles Loom Works. 2,703,588, Cl. 139—182.
- Krumhansl, James A., and G. H. Miller, to General Dynamics Corp. 2,721,899, Cl. 179—15.
- Krumm, Niel J.: *See—*  
Stepath, Myron D., Krumm, and Ross. 2,706,236.
- Krummel, Frederick J.: *See—*  
Smith-Petersen, Nils O., and Krummel. 2,728,349.
- Krummel, Frederick J., and O. E. Duemler, to Walworth Co. 2,718,233, Cl. 137—119.
- Krupicka, William A., to The Yale & Towne Mfg. Co. 2,720,408, Cl. 292—169.
- Krupp, Carroll P., to The B. F. Goodrich Co. 2,701,899, Cl. 20—69.
- Krupp, Carroll P., to The B. F. Goodrich Co. 2,720,011, Cl. 20—69.
- Krupp, Carroll P., to The B. F. Goodrich Co. 2,724,418, Cl. 150—5.
- Krupp, Robert F.: *See—*  
Wardell, Lynwood, Leavitt, and Krupp. 2,719,484.
- Krupp, Robert F., and M. H. Wardell, to Gerber Products Co. 2,726,851, Cl. 259—9.
- Kruppa, William J., and G. J. Marlowe, to American Cyanamid Co. 2,700,618, Cl. 106—305.
- Kruse, Charles C. 2,702,005, Cl. 103—44.
- Kruse, George A.: *See—*  
Gilbert, Frank U. S., Harrison, and Kruse. 2,713,959.
- Kruse, Howard W.: *See—*  
Skolnik, Sol, and Kruse. 2,712,496.
- Kruse, Norman F., to Central Soya Co., Inc. 2,710,258, Cl. 99—98.
- Krusius, Erwin. 2,728,140, Cl. 30—268.
- Krutter, Harry, and H. Goldstein, to the United States of America as represented by the Secretary of the Navy. 2,711,517, Cl. 333—95.
- Krzanski, Frank A.,  $\frac{1}{2}$  to A. J. Ciesielski. 2,718,692, Cl. 30—15.
- Krzesz, Zygmunt, to Dominion Tar & Chemical Co., Ltd. 2,711,432, Cl. 260—674.
- Kubach, William: *See—*  
Trautman, Ira. 2,699,811.
- Kubacki, Louis E., to Rentner Metal Spinning Co. 2,707,845, Cl. 47—1.
- Kubler, Ernest F., to General Electric Co. 2,702,881, Cl. 323—100.
- Kuboske, Leo. 2,724,283, Cl. 74—425.
- Kubota, Hidetsugu. 2,717,044, Cl. 170—165.
- Kubota, Tokuo: *See—*  
Uyeo, Shojiro, Tomita, and Kubota. 2,719,157.
- Kubovy, Joseph V.: *See—*  
Hanson, Walter J., and Kubovy. 2,708,403.
- Kuchenbrod, Frank L., to C. M. Smillie and Co. 2,708,118, Cl. 279—123.
- Kuchinsky, Saul: *See—*  
Fan, Sin-Pih, and Kuchinsky. 2,721,955.
- Kucklick, Frederick J. 2,708,804, Cl. 43—26.1.
- Kuder, Milton L. 2,705,244, Cl. 250—15.
- Kudlaciak, Teddy A. 2,700,893, Cl. 73—66.
- Kudobe, Milo. 2,698,616, Cl. 126—360.
- Kuecken, John A. 2,716,707, Cl. 307—110.
- Kueffer, Ernest H.: *See—*  
Howard, Clarence B. 2,721,559.
- Kuehl, Georg W. 2,710,274, Cl. 154—277.
- Kuehl, Walter A. 2,700,721, Cl. 219—26.
- Kuehlthau, Hugo L.: *See—*  
Nass, Chester V., and Kuehlthau. 2,708,513.
- Kuehn, Christian G., Jr. 2,712,876, Cl. 214—78.
- Kuehn, John J. 2,709,349, Cl. 64—30.
- Kuehne, Herbert A., to American Can Co. 2,700,132, Cl. 324—34.
- Kueneman, Don: *See—*  
Kueneman, John R. and D. 2,721,036.
- Kueneman, John R. and D. 2,721,036, Cl. 241—269.
- Kuenniger, William. 2,726,797, Cl. 223—25.
- Kuensel, Harry: *See—*  
Friedh, Eric, and Kuensel. 2,706,566.
- Kuepfer, Matthew C., E. A. V. Horiak, and S. J. Bouchez, to Hercules Motors Corp. 2,709,425, Cl. 123—187.5.
- Kueser, John J.: *See—*  
Huck, Alfred J., and Kueser. 2,701,410.
- Kueser, John J., to Knapp-Monarch Co. 2,713,970, Cl. 230—259.
- Kueser, John J., to Knapp-Monarch Co. 2,722,594, Cl. 219—39.
- Kuffer, Willy. 2,721,239, Cl. 200—61.62.
- Kuhar, Petter. 2,722,651, Cl. 322—25.
- Kuhary, Emery E.: *See—*  
Sawyer, Frederick D., and Kuhary. 2,699,362.
- Kuhary, Frederick D., and Kuhary. 2,727,757.
- Kuhary, Emery E., and F. D. Sawyer, to Ford Motor Co. 2,711,679, Cl. 97—47.14.
- Kuhary, Emery E., and F. D. Sawyer, to Ford Motor Co. 2,712,358, Cl. 180—53.
- Kuhary, Emery E., and F. D. Sawyer, to Ford Motor Co. 2,722,988, Cl. 180—75.
- Kuhl, George H. 2,701,025, Cl. 181—30.
- Kuhl, Robert D. 2,713,893, Cl. 155—188.
- Kuhles, Edward K.: *See—*  
Graves, Roy R., and Kuhles. 2,706,619.
- Kuhlman, Henry J. 2,727,350, Cl. 56—376.
- Kuhn, Fred J. 2,708,349, Cl. 62—89.5.
- Kuhn, Fred K. 2,709,945, Cl. 88—77.
- Kuhn, George. 2,722,919, Cl. 121—157.
- Kuhn, Georges, to Mefina S. A. 2,718,850, Cl. 102—83.
- Kuhn, John J., Jr., and A. B. Watrous, to Bell Telephone Laboratories, Inc. 2,727,308, Cl. 33—18.
- Kuhn, Leroy B., to The Firestone Tire & Rubber Co. 2,713,563, Cl. 260—31.8.
- Kuhn, Richard: *See—*  
Görgey, Paul, Kuhn, and Ruelius. 2,708,165.
- Görgey, Paul, Kuhn, and Zilliken. 2,710,806.
- Görgey, Paul, Kuhn, and Zilliken. 2,710,807.
- Kuhn, Richard, and G. Quadbeck. 2,701,256, Cl. 260—455.
- Kuhn, Wayne H., and W. R. Reichenstein, to The Fairfield Engineering Co. 2,713,428, Cl. 214—16.
- Kuhne, Clarence A., and J. A. Redmond, to Westinghouse Electric Corp. 2,725,450, Cl. 219—10.69.
- Kuhner, Max H., to Riley Stoker Corp. 2,699,759, Cl. 122—421.
- Kuhner, Max H., to Riley Stoker Corp. 2,724,370, Cl. 122—406.
- Kuhle, Ernst. 2,715,353, Cl. 88—24.
- Kuhrt, Noel H., to Eastman Kodak Co. 2,701,769, Cl. 99—163.
- Kuhrt, Noel H., to Eastman Kodak Co. 2,701,770, Cl. 99—163.
- Kuhrt, Noel H., to Eastman Kodak Co. 2,714,113, Cl. 260—410.7.
- Kuhrt, Noel H., and E. A. Welch, to Eastman Kodak Co. 2,727,913, Cl. 260—410.7.
- Kuhnl, Leopold K. 2,698,534, Cl. 67—7.1.
- Kukol, Carl T. 2,712,215, Cl. 58—22.5.
- Kukovac, George, Sr. 2,723,652, Cl. 123—25.
- Kulbersh, Nathan, to Sargent & Co. 2,727,304, Cl. 30—271.
- Kulchycky, Russell: *See—*  
Falcione, Louis. 2,709,296.
- Kulhavy, Joseph T., to J. I. Case Co. 2,709,993, Cl. 123—98.
- Kulicke, Frederick W., Jr., to Proctor Electric Co. 2,716,825, Cl. 38—79.
- Kuljian, Harry A. 2,727,274, Cl. 18—8.
- Kuljian, Harry A. 2,727,381, Cl. 68—205.
- Kull, Gustav. 2,720,412, Cl. 294—92.
- Kull, Walter, and K. Steiner, to Allwood Inc. 2,717,703, Cl. 214—17.
- Kullmer, Frank, to Soule Steel Co. 2,708,013, Cl. 189—46.
- Kult, Irving F. 2,715,349, Cl. 84—183.
- Kümmel, Paul, to Inventa A.-G. für Forschung und Patentverwertung Luzern. 2,719,776, Cl. 18—54.
- Kummer, Theodore H., and R. E. Bodendoerfer, to Cherry-Burrell Corp. 2,700,494, Cl. 226—97.
- Kumpfer, Beverly D., to the United States of America as represented by the Secretary of the Army. 2,710,919, Cl. 250—36.
- Kumfer, Beverly D., to the United States of America as represented by the Secretary of the Army. 2,720,628, Cl. 333—83.
- Kündig, Werner: *See—*  
Suter, Hans, Habicht, and Kündig. 2,712,014.
- Kundiger, Donald G., and H. Pledger, Jr., to The Dow Chemical Co. 2,719,173, Cl. 260—539.
- Kunert, Max J., to Black, Sivalls & Bryson, Inc. 2,710,079, Cl. 189—34.
- Kung, Frederick E.: *See—*  
Neubauer, Joseph A., Strain, and Kung. 2,717,238.
- Kuniholm, David A., to Rodney Hunt Machine Co. 2,720,691, Cl. 29—123.
- Kunstorff, Werner. 2,703,177, Cl. 210—200.
- Kuntay, Gregor W., to Minneapolis-Honeywell Regulator Co. 2,701,479, Cl. 7—770.
- Kunz, Frederick J., to Car Carrier Equipment Co. 2,701,145, Cl. 280—446.
- Kunz, Frederick L. G. 2,726,957, Cl. 99—51.
- Kunz, Miles C., and F. X. Lamb, to Weston Electrical Instrument Corp. 2,719,267, Cl. 324—151.
- Kunz, William J., Jr., to Bendix Aviation Corp. 2,720,751, Cl. 60—39.28.
- Kunz, William R., to the United States of America as represented by the Secretary of the Army. 2,725,614, Cl. 29—1.1.
- Künzi, Karl, to Georg Fischer Aktiengesellschaft. 2,700,949, Cl. 113—102.
- Kunzler, William S.: *See—*  
Weber, Victor, and Kunzler. 2,727,709.
- Kupchak, Peter, 40% to V. C. Sziligo. 2,704,405, Cl. 33—219.
- Küppenbender, Heinz: *See—*  
Michel, Kurt, Kinder, and Küppenbender. 2,720,138.
- Kuppenheimer, John D., to Riley Stoker Corp. 2,708,890, Cl. 110—40.



- Kupper, William H., to Royal McBee Corp. 2,728,435, Cl. 197—17.  
 Kupper, William H., to Royal McBee Corp. 2,728,436, Cl. 197—82.  
 Kupper, William H., to Royal McBee Corp. 2,728,437, Cl. 197—91.  
 Kurath, Franz, deceased; M. A. Kurath, executrix. 2,721,283, Cl. 310—235.  
 Kurath, Marie A.: *See*—  
   Kurath, Franz. 2,721,283.  
 Kurek, Frank L. 2,722,406, Cl. 259—54.  
 Kurk Products Co.: *See*—  
   Kurkjian, Yervant H. 2,699,486.  
   Kurkjian, Yervant H. 2,728,505.  
 Kurkjian, Yervant H., to Kurk Products Co. 2,699,486, Cl. 219—32.  
 Kurkjian, Yervant H., to Kurk Products Co. 2,728,505, Cl. 226—2.  
 Kurland, Maurice L.: *See*—  
   Kayser, Allan J. 2,727,769.  
 Kurlandsky, Sam, to Burgess Battery Co. 2,702,756, Cl. 106—272.  
 Kurshan, Jerome, to Radio Corp. of America. 2,701,289, Cl. 201—63.  
 Kurshan, Jerome, to Radio Corp. of America. 2,728,034, Cl. 317—235.  
 Kurth, Erwin C., to Banner Equipment Co. 2,710,195, Cl. 280—5.24.  
 Kurtin, Abner. 2,712,823, Cl. 128—303.  
 Kurtz, Abraham N.: *See*—  
   Davis, Hubert G., Wilson, and Kurtz. 2,717,260.  
 Kurtz, Dorothy L. 2,706,579, Cl. 221—260.  
 Kurtz, Edward F., to Metals & Controls Corp. 2,707,763, Cl. 318—225.  
 Kurtz, Jacob. 2,712,988, Cl. 51—309.  
 Kurtz, Lowell M., to General Electric Co. 2,699,583, Cl. 20—101.  
 Kurtz, Lowell M., to General Electric Co. 2,724,247, Cl. 62—129.  
 Kurtz, Lowell M., to General Electric Co. 2,728,199, Cl. 62—6.  
 Kurtz, Stewart S., Jr., to Sun Oil Co. 2,723,259, Cl. 260—80.7.  
 Kurz, Karl, to Südbau, Süddeutsche Bautechnik G. m. b. H. 2,727,382, Cl. 72—41.  
 Kurzenberger, Richard F.: *See*—  
   Farrington, Robert K. and T. B., and Kurzenberger. 2,721,982.  
 Kurzmann, Albert P. 2,718,865, Cl. 114—210.  
 Kurzweil, Robert, to Morey Machine Co., Inc. 2,701,042, Cl. 192—87.  
 Kusa, James R.: *See*—  
   Kendall, Fred E., and Kusa. 2,726,175.  
 Kuschel, Clarence H. 2,711,784, Cl. 155—81.  
 Kushmuk, Walter P.: *See*—  
   Billeter, Henry R., and Kushmuk. 2,710,497.  
 Kushner, Morton: *See*—  
   Tuckerman, Arnold J., Gallaccio, and Kushner. 2,703,529.  
 Kushner, Samuel: *See*—  
   Boothe, James H., and Kushner. 2,704,290.  
 Kushner, Samuel, to American Cyanamid Co. 2,722,533, Cl. 260—343.3.  
 Kusiv, Daniel B., and F. G. Roberts, to Buchanan Electrical Products Corporation. 2,714,827, Cl. 81—15.  
 Kusiv, James J., to Colfax Associates. 2,717,751, Cl. 248—43.  
 Kuslich, John S. 2,726,473, Cl. 43—42.15.  
 Küss, Adolf: *See*—  
   Junghans, Helmut, and Küss. 2,701,439.  
 Kuss, Ferdinand. 2,717,188, Cl. 312—323.  
 Kusserow, Bert K., and W. E. Bair, to the United States of America as represented by the Secretary of the Navy. 2,712,897, Cl. 233—28.  
 Kusserow, Gerhard W., M. W. Klohs, P. K. Bates, and K. J. Gross, to Riker Laboratories, Inc. 2,727,891, Cl. 260—236.  
 Küster, Ferdinand, deceased; J. Küster, sole heir. 2,714,584, Cl. 260—28.5.  
 Küster, Julia: *See*—  
   Küster, Ferdinand. 2,714,584.  
 Kuster, Werner: *See*—  
   Schetty, Guido, and Kuster. 2,709,167.  
 Kuster, Werner, and G. Schetty, to J. R. Geigy A. G. 2,723,263, Cl. 260—151.  
 Kusters, Norbert L.: *See*—  
   Murray, Donald M., and Kusters. 2,725,522.  
 Kusters, William F. 2,702,061, Cl. 150—37.  
 Kustusch, Eryk, to P. W. Kustusch. 2,718,706, Cl. 33—169.  
 Kustusch, Paul W.: *See*—  
   Kustusch, Eryk. 2,718,706.  
 Kutchar, Stephan. 2,710,587, Cl. 114—163.  
 Kutsay, Ali U., to Baldwin-Lima-Hamilton Corp. 2,724,265, Cl. 73—100.  
 Kutschale, Walter H.: *See*—  
   Armstrong, Wilbur H., Mumford, Wehmeyer, and Kutschale. 2,708,981.  
 Kutzelman, Elmer G.: *See*—  
   Coder, Fred T., and Kutzelman. 2,716,479.  
 Kutzler, Robert J.: *See*—  
   Gille, Willis H., and Kutzler. 2,710,730.  
 Kutzler, Robert J., to Minneapolis-Honeywell Regulator Co. 2,698,723, Cl. 244—77.  
 Kuvín, Verna G. 2,714,443, Cl. 206—1.  
 Kuyper, Peter H., to Rolscreen Co. 2,716,784, Cl. 20—56.4.  
 Kuzniar, Alfred P., and B. Saltzberg, to American Television Mfg. Corp. 2,717,947, Cl. 201—73.  
 Kvaerne, Nils, to Aktiebolaget B. A. Hjorth & Co. 2,706,923, Cl. 81—91.  
 Kwartz, Michael J., ½ to G. M. Trankla. 2,723,339, Cl. 219—38.  
 Kwasniewski, George A., to Minneapolis-Honeywell Regulator Co. 2,704,799, Cl. 201—62.  
 Kyle, Colin, to Hawley Products Co. 2,723,423, Cl. 18—5.  
 Kyle, Colin, to Hawley Products Co. 2,723,600, Cl. 92—54.  
 Kyle, Colin, and W. W. Haerther, Jr., to Hawley Products Co. 2,705,442, Cl. 92—56.  
 Kyle, Edmond A. and K. 2,701,464, Cl. 72—44.  
 Kyle, Kenneth: *See*—  
   Kyle, Edmond A. and K. 2,701,464.  
 Kyle, Robert T.: *See*—  
   Stookey, Kenneth W., Steinwedell, and Kyle. 2,714,058.  
 Kyle, William D., Jr., to McGraw Electric Co. 2,702,935, Cl. 29—155.57.  
 Kysor Heater Co.: *See*—  
   Ferris, David R. 2,699,481.  
 L H M Co.: *See*—  
   Larson, Eric W., Hodes, and Moore. 2,716,442.  
 LKB Produkter Fabriksaktiebolag: *See*—  
   Svensson, Harry S. 2,703,033.  
   Svensson, Svante H. 2,701,961.  
 L. O. F. Glass Fibers Co.: *See*—  
   Labino, Dominick. 2,728,699.  
 La Cellophane: *See*—  
   Chérigé, Pierre. 2,726,858.  
   Geffroy, Georges. 2,699,286.  
 La Compagnie J. A. Gosselin, Limitee: *See*—  
   Blanchette, Hilaire, and Bolduc. 2,703,188.  
 La Generale Horlogere (Societe a responsabilite limitee): *See*—  
   Linard, René. 2,717,488.  
 La Nationale S. A.: *See*—  
   Zellweger, Conrad. 2,710,506.  
   Zellweger, Conrad. 2,711,082.  
   Zellweger, Conrad J. J. 2,714,805.  
 Laakso, Thomas T. M.: *See*—  
   Allen, Charles F. H., and Laakso. 2,726,162.  
   Reynolds, Delbert D., and Laakso. 2,716,134.  
   Reynolds, Delbert D., and Laakso. 2,725,381.  
 Labbe, Armand L.: *See*—  
   Marriott, Richard A., and Labbe. 2,704,135.  
 L'Abée-Lund A/S: *See*—  
   L'Abée-Lund, Johan H. 2,718,151.  
 L'Abée-Lund, Johan H., to L'Abée-Lund A/S. 2,718,151, Cl. 74—18.1.  
 Laber, Ernest J., to Westinghouse Air Brake Co. 2,711,932, Cl. 303—19.  
 Labeyrie, Jacques A. L. 2,722,427, Cl. 279—119.  
 Labin, Emile, to International Telephone and Telegraph Corp. 2,723,376, Cl. 332—7.  
 Labine, Roland A.: *See*—  
   Lyon, Norman W., and Labine. 2,727,344.  
 Labino, Dominick, to L. O. F. Glass Fibers Co. 2,728,699, Cl. 154—46.  
 La Bombard, Leon E. 2,705,636, Cl. 271—36.  
 Laboratoire d'Hygiene Scientifique Hygiscent: *See*—  
   Potez, Henry. 2,705,953.  
 Laboratoires Francais De Chimiotherapie: *See*—  
   Girard, Andre. 2,726,041.  
 Laboratorium für Adsorptionslechnik G. m. b. H.: *See*—  
   Bratzler, Karl, and Engelhardt. 2,722,999.  
 Laboratory Equipment Corp.: *See*—  
   Schmitt, Howard J. 2,701,158.  
 La Bore, Walter T., to Pitney-Bowes, Inc. 2,717,574, Cl. 118—401.  
 La Bossiere, William J. 2,715,294, Cl. 43—96.  
 La Bour, Harry E. 2,709,451, Cl. 137—625.35.  
 Labrie, Roger J.: *See*—  
   Senderoff, Seymour, and Labrie. 2,715,058.  
 Labuza, Walter. 2,717,144, Cl. 254—16.  
 Labuza, Walter, to Buchanan Electric Products Corp. 2,727,416, Cl. 81—15.  
 Lacey, Edward D., to Russell-Lacey Mfg. Co. 2,705,465, Cl. 112—79.  
 Lacey, Raymond M. 2,711,581, Cl. 30—15.  
 Lacey, Raymond M. 2,722,857, Cl. 81—5.1.  
 Lacey, Richard N.: *See*—  
   Cooper, Leslie E., and Lacey. 2,700,685.  
 Lacey, Richard N., and E. E. Connolly, to British Industrial Solvents Ltd. 2,714,117, Cl. 260—471.  
 Lach, John, to Uarco, Inc. 2,719,299, Cl. 1—66.  
 Lachamp, Felix L., to Union Française Commerciale et Industrielle. 2,726,937, Cl. 23—260.  
 Lacher, John M., to Lacher Products, Inc. 2,705,824, Cl. 24—71.1.  
 Lacher, John R.: *See*—  
   Park, Joseph D., Lacher, and Gerjovich. 2,713,595.  
   Park, Joseph D., Lacher, and Gerjovich. 2,713,596.  
 Lacher Products, Inc.: *See*—  
   Lacher, John M. 2,705,824.  
 Lackey, Alan D.: *See*—  
   Law, Peter L., and Lackey. 2,703,640.  
 Lackey, Alan D., to Communication Engineering Pty. Ltd. 2,719,005, Cl. 235—61.  
 Lackland, Benjamin S. 2,710,408, Cl. 2—153.  
 Lackner, Robert V., to Loftus Engineering Corp. 2,716,687, Cl. 219—1.  
 Lackner, Robert V., to Loftus Engineering Corp. 2,716,688, Cl. 219—1.



- Lackner, Robert V., to Loftus Engineering Corp. 2,720,576, Cl. 219—10.75.  
 Lackner, Robert V., to Loftus Engineering Corp. 2,720,577, Cl. 219—10.75.  
 Laclede-Christy Co.: *See*—  
   Bowman, Edward W. 2,699,741.  
   Campbell, Elmer A. 2,723,436.  
   Hewitt, Lowell C., and Paul. 2,704,419.  
   Rose, George E. 2,705,414.  
   Weber, Herman W. 2,699,740.  
 Lacy, George: *See*—  
   Prindle, Karl E., and Lacy. 2,714,569.  
 Lacy, Roy, deceased, by The Farmers and Merchants National Bank of Los Angeles, executor; C. V. McClintock, deceased, by H. C. McClintock, executrix, and J. D. Rossier, to Pearne & Lacy Machine Co. 2,706,319, Cl. 25—30.  
 Ladd, Allan L., and M. L. Speckman. Re. 23,935, Cl. 34—102.  
 Ladd, Elbert C., M. P. Harvey, D. E. Cable, and A. Szayna, to United States Rubber Co. 2,725,411, Cl. 260—654.  
 Ladd, John R.: *See*—  
   Cohen, Merrill, and Ladd. 2,716,638.  
 Ladd, John W. 2,709,020, Cl. 217—12.  
 Laddon, Machlin B., and J. C. Weidel, to Rohr Aircraft Corp. 2,702,929, Cl. 24—263.  
 Lade, James H. 2,704,897, Cl. 35—17.  
 Ladisch, Rolf K., to the United States of America as represented by the Secretary of the Army. 2,706,710, Cl. 204—195.  
 Ladisch, Rolf K., to the United States of America as represented by the Secretary of the Army. 2,706,711, Cl. 204—195.  
 Ladisch, Rolf K., to the United States of America as represented by the Secretary of the Army. 2,706,712, Cl. 204—195.  
 Ladisch, Rolf K. 2,708,657, Cl. 204—195.  
 Ladisch, Rolf K., and S. L. Knesbach, to the United States of America as represented by the Secretary of the Army. 2,728,721, Cl. 204—195.  
 Ladish Co.: *See*—  
   Polanski, Frank C. 2,709,094.  
 Lado, Anthony L., to Pettibone New York Corp. 2,716,899, Cl. 74—385.  
 La Fata, Sylvester. 2,713,169, Cl. 2—97.  
 Lafferentz, Bodo: *See*—  
   Huber, Ludwig, and Lafferentz. 2,708,926.  
 Lafferentz, Bodo, L. R. Huber, and B. E. Strittmatter, to Swingfire (Bahamas) Ltd. 2,707,515, Cl. 158—4.  
 Lafferentz, Bodo, L. R. Huber, and B. E. Strittmatter, to Swingfire (Bahamas) Ltd. 2,715,436, Cl. 158—4.  
 Lafferty, John W., and H. L. Miller. 2,709,330, Cl. 56—327.  
 Laffitte, Claire: *See*—  
   Platel, Charles, Delahousse, and Laffitte. 2,725,299.  
 La Flame, Frank E., and E. F. Hubacker, to Borg-Warner Corp. 2,713,969, Cl. 230—138.  
 La Fleur, Richard S., to Hughes Aircraft Co. 2,704,332, Cl. 307—58.  
 La France, Ivan E. 2,716,700, Cl. 240—10.66.  
 Lagaard, Alexander S. T., to R. F. Tickle. 2,722,294, Cl. 189—37.  
 Lagerstrom, Robert C., to Henney Motor Co., Inc. 2,721,625, Cl. 183—37.  
 Lagervall, Otto L. 2,710,761, Cl. 287—20.  
 Lagin, Herbert. 2,728,059, Cl. 339—97.  
 Lagon, Andrew P., to Trad Television, Inc. 2,724,033, Cl. 201—48.  
 Lagrange, Pierre. 2,705,471, Cl. 116—34.  
 La Grua, James C., and E. G. Mathews, to National Folding Box Co., Inc. 2,706,074, Cl. 229—5.7.  
 Lahaye, Eugene L., to Hartford National Bank and Trust Co., trustee. 2,704,396, Cl. 29—556.  
 Lahnstein, Evelyn K.: *See*—  
   Lahnstein, Joseph A. and E. K. 2,705,326.  
 Lahnstein, Joseph A. and E. K., to Blankette Corp. 2,705,326, Cl. 2—83.  
 Lahti, Anard A., 50% to F. G. Ayers. 2,726,593, Cl. 98—33.  
 La Hue, Paul D. 2,719,305, Cl. 4—134.  
 Laidig, Alfred H., to Westinghouse Electric Corp. 2,716,715, Cl. 313—328.  
 Lail, Ernest E. 2,726,855, Cl. 263—51.  
 Lain, Quinton B.: *See*—  
   Gray, Ornburn, and Durnford. 2,699,946.  
 Laine, Mauno W. 2,720,706, Cl. 33—95.  
 Laing, Marvin R., to Minneapolis-Honeywell Regulator Co. 2,717,938, Cl. 200—140.  
 Lair, Greathia L.: *See*—  
   Cable, Clyde, and Lair. 2,710,111.  
 Lair, Julian J. B., and E. M. Deloraine, to International Standard Electric Corp. 2,723,309, Cl. 179—15.  
 L'Air Liquide Societe Anonyme pour l'Etude et l'Exploitation des Procédes Georges Claude: *See*—  
   Bonnaud, Henri. 2,705,873.  
   Brillie, Jean. 2,726,310.  
   Etienne, Alfred. 2,699,046.  
   Etienne, Alfred. 2,700,900.  
   Gagnan, Emile. 2,700,876.  
 Laird, John A., to Joseph Lucas (Industries) Ltd. 2,717,337, Cl. 315—243.  
 Laird, Thomas J., to Kinetic Dispersion Corp. 2,706,621, Cl. 259—96.  
 Laird, William A. 2,704,416, Cl. 46—92.  
 Laissue, Francisco J. 2,718,727, Cl. 46—134.  
 Lake, Anthony B. 2,707,513, Cl. 155—133.  
 Lake, Donald B., to E. I. du Pont de Nemours and Co. 2,723,979, Cl. 260—256.4.  
 Lake, Eugene T. 2,713,860, Cl. 125—23.  
 Lake, Peter F. 2,726,568, Cl. 84—456.  
 Lake Erie Engineering Corp.: *See*—  
   Kenline, Frederick J. 2,712,168.  
   Thweatt, Hardin D., and Swanson. 2,728,453.  
 Lakeland Foundation: *See*—  
   Guillemin, Victor, Jr. 2,728,337.  
 Lakeside Engineering Corp.: *See*—  
   Thompson, Henry L., and Montgomery. 2,714,090.  
 Lakewood Mfg. Co.: *See*—  
   Peplin, Stephen C. 2,725,242.  
 Lakso Co., Inc.: *See*—  
   Lakso, Eino E. and E. E. 2,701,671.  
   Lakso, Eino E. 2,708,051.  
 Lakso, Eino E., to The Lakso Co. Inc. 2,708,051, Cl. 216—60.  
 Lakso, Eino E. and E. E., to The Lakso Co., Inc. 2,701,671, Cl. 226—2.  
 Lakso, Eugene E.: *See*—  
   Lakso, Eino E. and E. E. 2,701,671.  
 Laliberte, Albert J., to American Optical Co. 2,701,191, Cl. 51—298.  
 Lally, Philip M., and L. F. Barash, to The Sperry Rand Corp. 2,727,179, Cl. 315—3.5.  
 Lally, Robert E., to Ferro Corp. 2,711,401, Cl. 260—45.75.  
 Lalonde, Frank P. 2,710,416, Cl. 15—49.  
 L'Aluminium Français: *See*—  
   Migny, Louis P. 2,700,581.  
 Lamar, Charles C., to Harper-Wyman Co. 2,707,971, Cl. 137—599.2.  
 La Marche, Roby W. 2,708,827, Cl. 60—39.54.  
 Lamb, Anthony H., to Weston Electrical Instrument Corp. 2,703,983, Cl. 73—335.  
 Lamb, Anthony H., and E. R. Kebbon, to Weston Electrical Instrument Corp. 2,713,265, Cl. 73—340.  
 Lamb, Clyde C. 2,709,484, Cl. 155—194.  
 Lamb Electric Co.: *See*—  
   Cole, James D. 2,713,455.  
 Lamb, Ellsworth G.: *See*—  
   Graham, Paul N. W., and Lamb. 2,714,227.  
 Lamb, Ernest P., to Chrysler Corp. 2,700,411, Cl. 155—5.  
 Lamb, Francis X.: *See*—  
   Kunz, Miles C., and Lamb. 2,719,267.  
 Lamb, Francis X., to Weston Electrical Instrument Corp. 2,720,187, Cl. 116—129.  
 Lamb, Fredrick S., to General Electric Co. 2,712,089, Cl. 313—274.  
 Lamb, Fredrick S., and G. J. Fabritius, to General Electric Co. 2,719,426, Cl. 73—52.  
 Lamb, Harold T. 2,712,439, Cl. 259—85.  
 Lamb, John, to Shell Development Co. 2,709,062, Cl. 251—14.  
 Lamb, Joyce H. 2,709,816, Cl. 4—239.  
 Lamb, McDuff W. 2,704,259, Cl. 99—176.  
 Lamb, Raymond J.: *See*—  
   Fessler, Frank. 2,714,573.  
 Lamb, Sidney A.: *See*—  
   Reynolds, Peter W., and Lamb. 2,723,997.  
 Lamb, William A.: *See*—  
   Brown, Harold, and Lamb. 2,717,692.  
 Lambach, Fritz, to Robert Reiner, Inc. 2,704,643, Cl. 242—130.  
 Lambach, Fritz, to Robert Reiner, Inc. 2,709,976, Cl. 112—90.  
 Lambach, Fritz, and W. Siegel, to Robert Reiner, Inc. 2,720,093, Cl. 66—86.  
 Lambeck, Adriaan J. J., to Hartford National Bank and Trust Co., trustee. 2,709,334, Cl. 60—24.  
 Lambert Brake Corp.: *See*—  
   Dasse, Lester F. 2,705,164.  
   Hahn, Emil. 2,702,107.  
   Kershner, Osborn A. 2,728,429.  
   Kershner, Osborn A., and Parrett. 2,720,943.  
   Parrett, Dent. 2,708,497.  
 Lambert, Esther M.: *See*—  
   Lambert, Julius D. and E. M. 2,699,639.  
 Lambert, Harry L., to Royal McBee Corp. 2,710,681, Cl. 197—189.  
 Lambert, Harry L., to Royal McBee Corp. 2,711,811, Cl. 197—189.  
 Lambert, Harry E., to Central Fibre Products Co. 2,718,826, Cl. 92—54.  
 Lambert, Joel S. 2,712,665, Cl. 15—131.  
 Lambert, Julius D. and E. M. 2,699,639, Cl. 56—376.  
 Lambert, Marion L. J.: *See*—  
   Thompson, Parke H. 2,700,934.  
 Lambert, Norman W.: *See*—  
   Walker, Joseph, and Lambert. 2,727,925.  
 Lambert, Roger E.: *See*—  
   Sejourner, Jacques, and Lambert. 2,706,850.  
 Lambert, Pierre, to The Lummus Co. 2,725,342, Cl. 196—73.  
 Lambert, Pierre, to The Lummus Co. 2,725,343, Cl. 196—114.  
 Lamberton, Ralph E., to The Jaeger Machine Co. 2,725,181, Cl. 230—3.  
 Lambie, John B., to Vickers-Armstrongs Ltd. 2,719,428, Cl. 73—88.5.  
 Lambuth, Alan L.: *See*—  
   Ash, Jacob R., and Lambuth. 2,727,869.  
 Lamitex Products, Inc.: *See*—  
   Francis, Carleton S., Jr. 2,699,396.  
   Williams, Beverly E. 2,713,002.  
 Lamkin, Everett W. 2,704,908, Cl. 46—53.  
 Lamkin, Everett W. 2,704,909, Cl. 46—53.  
 Lamm, Uno, to Allmanna Svenska Elektriska Aktiebolaget. 2,716,726, Cl. 318—249.



- Lamm, Uno, and E. Uhlmann, to Allmanna Svenska Elek-  
triska Aktiebolaget. 2,707,765, Cl. 321—8.
- Lammerz, Ernst, to Fried. Krupp Lokomotivfabrik.  
2,717,523, Cl. 74—665.
- Lammerz, Ernst, H. Herrmann, and G. Weissig, to Fried.  
Krupp Lokomotivfabrik. 2,706,952, Cl. 105—117.
- Lampard, Edward D.: *See—*
- Erdman, Edward W. 2,718,371.
- Lampe, Fred A.: *See—*
- Scheidenhelm, Earl L., and Lampe. 2,717,479.
- Lampe, Heinrich. 2,720,166, Cl. 102—22.
- Lampe, Robert C., A. H. Beede, O. L. Allen, and A. P. Cawl,  
to Electrolux Corp. 2,724,456, Cl. 183—37.
- Lampke, Arthur R. 2,711,872, Cl. 248—103.
- Lampman, James A., to Northrop Aircraft, Inc. 2,706,309,  
Cl. 18—34.
- Lamprey, Headlee: *See—*
- Poorman, Richard M., Sargent, and Lamprey. 2,714,563.
- Lampton, Glen T., to Hughes Tool Co. 2,708,306, Cl.  
29—421.
- Lancaster Engineering Co.: *See—*
- Gannon, John J. 2,709,074.
- Lancaster, Jeter M. 2,718,734, Cl. 51—141.
- Lancaster, John T., to United Shoe Machinery Corp.  
2,706,822, Cl. 12—1.
- Lancaster, Lionel W. 2,715,042, Cl. 296—84.
- Lancaster, Talbot A., to Plastic Film Corp. 2,720,477, Cl.  
154—53.5.
- Lance, Inc.: *See—*
- Knee, Aaron A. 2,722,900.
- McCullough, Lewell O., Price, Beam, and Skinner.  
2,725,172.
- Lancy, Leslie E. 2,725,314, Cl. 134—13.
- Land, Cecil E.: *See—*
- Fickett, Walter A., and Land. 2,727,101.
- Land, Edwin H., to Polaroid Corp. 2,698,798, Cl. 95—8.
- Land, Edwin H., to Polaroid Corp. 2,702,146, Cl. 222—107.
- Land, Edwin H., to Polaroid Corp. 2,702,244, Cl. 95—88.
- Land, Edwin H., to Polaroid Corp. 2,704,721, Cl. 95—88.
- Land, Edwin H., to Polaroid Corp. 2,706,937, Cl. 95—13.
- Land, Edwin H., to Polaroid Corp. 2,707,150, Cl. 95—2.
- Land, Edwin H., to Polaroid Corp. 2,708,864, Cl. 95—89.
- Land, Edwin H., to Polaroid Corp. 2,719,472, Cl. 95—89.
- Land, Edwin H., to Polaroid Corp. 2,719,789, Cl. 95—9.
- Land, Edwin H., to Polaroid Corp. 2,719,791, Cl. 95—88.
- Land, Edwin H., to Polaroid Corp. 2,726,154, Cl. 95—2.
- Land, Edwin H., and H. G. Rogers, to Polaroid Corp.  
2,705,676, Cl. 95—88.
- Land, Harry A.: *See—*
- Bechman, William O., Land, Baker, and Henning.  
2,716,907.
- Land, Harry A., to International Harvester Co. 2,716,577,  
Cl. 305—9.
- Land-Air, Inc.: *See—*
- Adams, Charles J. 2,724,567.
- Landau, Miles E. 2,700,257, Cl. 51—191.
- Landeck, Richard W.: *See—*
- Goepfert, Otto F., and Landeck. 2,698,706.
- Landenberger, J. W., & Co.: *See—*
- Luchs, Morton G. 2,724,195.
- Lander, Arthur V., L. W. Gomm, and N. J. Smith, to General  
Motors Corp. 2,708,529, Cl. 220—9.
- Landers, Frary & Clark: *See—*
- Kircher, Paul J. 2,704,506.
- Kircher, Paul J. 2,726,607.
- Landes, Chester G., to American Cyanamid Co. 2,714,276,  
Cl. 49—77.5.
- Landes, Chester G., and W. F. Reynolds, Jr., to American  
Cyanamid Co. 2,698,793, Cl. 92—21.
- Landes, George H. 2,713,342, Cl. 129—1.
- Landesman, Eugene: *See—*
- Walsh, Edgar, Jr. 2,704,510.
- Landesmann, Emile, and C. Miller. 2,709,355, Cl. 69—33.
- Landess, Delbert F. 2,716,448, Cl. 160—173.
- Landgraf, George F., to Trion, Inc. 2,706,743, Cl. 174—75.
- Landgraf, Jacob T., to H. D. Hudson Mfg. Co. 2,716,423,  
Cl. 137—408.
- Landgraf, William B., to General Electric Co., patent dedi-  
cated to the public insofar as it relates to lamps and lamp  
parts. 2,700,143, Cl. 339—146.
- Landis, Alfred R., to James R. Kearney Corp. 2,712,252, Cl.  
81—15.
- Landis, George G., and E. A. Smith, to The Lincoln Electric  
Co. 2,721,249, Cl. 219—10.
- Landis & Gyr, A. G.: *See—*
- Hofmann, Heinrich. 2,701,967.
- Indergand, Josef, Pudielko, and Bugmann. 2,699,365.
- Latensner, Albin. 2,702,478.
- Weber, Max. 2,705,296.
- Winet, Hans. 2,726,041.
- Landis, Harry H., to Armstrong Cork Co. 2,706,000, Cl.  
164—60.
- Landis, Jesse A. 2,706,659, Cl. 296—97.
- Landis, Joseph. 2,703,453, Cl. 32—67.
- Landis Machine Co.: *See—*
- Heymerling, Marinus, and Hopkins. 2,700,167.
- Reimschuessel, Charles A. 2,711,548.
- Landis, Robert, to Harnischfeger Corp. 2,718,602, Cl.  
310—98.
- Landis Tool Co.: *See—*
- Balsiger, Harold E. 2,708,816.
- Balsiger, Harold E., and Price. Re. 23,991.
- Price, Ralph E. 2,704,423.
- Rocks, Hugh N. Re. 24,091.
- Lando, Fred, to News Syndicate Co., Inc. 2,700,609, Cl.  
95—5.7.
- Landolt, Karl. 2,699,032, Cl. 57—58.83.
- Landrigan, Richard B., R. E. Tom, and D. L. Fauser, to The  
Haloid Co. 2,725,304, Cl. 117—17.5.
- Landrum, Ellis E. 2,721,368, Cl. 25—121.
- Landrum, Porter. 2,720,764, Cl. 64—27.
- Landrum, William F. 2,720,720, Cl. 43—43.11.
- Landsdowne Steel & Iron Co.: *See—*
- Shertz, Edward W., and Work. 2,710,029.
- Work, Robert S. 2,710,030.
- Landsiedel, Walter W., to Sperry Rand Corp. 2,726,037, Cl.  
235—60.31.
- Landwehr, Alvah C. 2,698,592, Cl. 114—209.
- Landwier, William G., to Easy Washing Machine Corp.  
2,709,208, Cl. 200—116.
- Lane, Charles C., and W. C. Mahoney. 2,702,944, Cl. 33—1.
- Lane Co., Inc.: *See—*
- Crocker, Ernest C. 2,716,621.
- Lane, David, to Progress Mfg. Co., Inc. 2,708,713, Cl.  
240—51.12.
- Lane, John J., to The Guiberson Corp. 2,715,552, Cl. 308—4.
- Lane, Richard J.: *See—*
- Budd, Larry J., Heidenreich, Lane, and Haffenberg.  
2,725,171.
- Lane, Victor. 2,701,913, Cl. 32—14.
- Lane-Wells Co.: *See—*
- Alder, Robert L. 2,701,334.
- Bouvier, George A. 2,714,931.
- Dwyer, Robert J. 2,720,488.
- Lindsay, Will H., Jr., and Phillips. 2,707,917.
- Otis, Russell M., and Alder. 2,700,131.
- Schlegel, Paul R. 2,718,926.
- Thompson, Archie E. 2,714,932.
- Lan-Elec Ltd.: *See—*
- Read, Douglas M., and Staples. 2,718,028.
- Lanfers, Hero H., B. R. T. Brugge, and H. W. S. Mulder.  
2,713,138, Cl. 318—464.
- Lanfers, Hero H., B. R. ter Brugge, and H. W. S. Mulder.  
2,727,202, Cl. 318—447.
- Lang, Albert. 2,705,997, Cl. 160—328.
- Lang, Arthur O. 2,709,617, Cl. 294—86.
- Lang, Edward J.: *See—*
- Gasciani, Ferri, and Lang. 2,715,608.
- Lang, Franz. 2,711,160, Cl. 123—32.
- Lang, Heinrich, to Durex, S. A. 2,716,969, Cl. 123—41.16.
- Lang, Heinrich. 2,722,921, Cl. 123—32.
- Lang, John W., Jr.: *See—*
- Powers, John S., and Lang. 2,713,642.
- Lang, Joseph C., to Bocji Corp. 2,701,360, Cl. 1—51.
- Lang, Robert A., to General Electric Co. 2,723,384, Cl.  
339—194.
- Lang, Walter T., to Control Instrument Co. 2,715,277, Cl.  
33—66.
- Lang, William, to The Bates Mfg. Co. 2,717,605, Cl. 129—17.
- Langa, Morris M. 2,703,406, Cl. 2—278.
- Langdon, Howard H.: *See—*
- Buresh, Francis M., and Langdon. 2,700,188.
- Langdon, Howard H., and F. M. Buresh, to Curlator Corp.  
2,703,441, Cl. 19—156.
- Langdon, Jesse D. 2,705,337, Cl. 16—66.
- Langdon, Jesse D. 2,707,969, Cl. 137—437.
- Langdon, Jesse D., and F. M. Brown; said Brown assor. to  
Story-Langdon Foundation. 2,722,944, Cl. 137—437.
- Langdon, Louis D.: *See—*
- Bayer, Elton A., and Langdon. 2,710,759.
- Langdon, Samuel W., ½ to H. J. and ½ to R. Nagle.  
2,713,292, Cl. 93—40.
- Lange, Erwin W. 2,716,264, Cl. 24—134.
- Lange, Günther, to C. Zeiss. 2,720,140, Cl. 88—57.
- Lange, Günther, to C. Zeiss. 2,724,994, Cl. 88—57.
- Lange, Horace R., to Air Filters Co. 2,715,453, Cl. 183—44.
- Lange, Ludwig H., and W. E. Flack, to Stokes and Smith  
Co. 2,705,905, Cl. 93—54.2.
- Lange, Max H., to Slidlock International, Ltd. 2,702,064,  
Cl. 153—1.
- Lange, Max H., to Slidlock International Ltd. 2,714,210,  
Cl. 1—177.
- Lange, Robert F. 2,712,845, Cl. 150—52.
- Lange, Russell W.: *See—*
- Edson, William A., and Lange. 2,720,629.
- Lange, Russell W., to Bell Telephone Laboratories, Inc.  
2,701,343, Cl. 333—83.
- Langenau Mfg. Co.: *See—*
- Harsch, Paul P. 2,704,219.
- Larimore, Galen L. 2,710,212.
- Langer, Alfred: *See—*
- Eickhorn, Karl H., and Langer. 2,726,708.
- Langer, Esther C.: *See—*
- Colmerauer, Andrew J. 2,727,607.
- Langer, Leo T.: *See—*
- Colmerauer, Andrew J. 2,727,607.
- Langer, Nicholas: *See—*
- Fener, Alfred. 2,714,416.
- Langer, Nicholas. 2,711,781, Cl. 154—42.
- Langer, Nicholas. 2,721,925, Cl. 219—19.
- Langevin, Robert A., and E. A. Gschwind, to Clevite Corp.  
2,725,506, Cl. 317—235.
- Langfeld, Daniel, to Inland Mfg. Co. 2,722,753, Cl. 34—104.
- Langford, John A., to The Fluor Corp., Ltd. 2,717,049, Cl.  
183—2.
- Langhein, Walter H. D., to I. F. F. E. Pauls. 2,716,953, Cl.  
112—158.



- Langille, Wilfred O. : *See*—  
Happe, Reynold, and Langille. 2,710,949.
- Langlais, Harold W. 2,705,015, Cl. 135—45.
- Langlois, Gordon E., to California Research Corp. 2,713,600, Cl. 260—671.
- Langlois, Roland E. 2,721,253, Cl. 219—38.
- Langlois, Roland E., and L. G. Blumenbaum, to Technical Service, Inc. 2,723,876, Cl. 294—83.
- Langlykke, Asger F. : *See*—  
Perlman, David, Fried, Titus, and Langlykke. 2,709,705.
- Langsdorf, William P., Jr., and M. A. Naylor, Jr., to E. I. du Pont de Nemours and Co. 2,709,709, Cl. 260—566.
- Langsenkamp, Robert M. 2,713,268, Cl. 73—422.
- Langston, Samuel M., Co. : *See*—  
Nitchie, Charles D. 2,722,417.
- Nitchie, Charles D., and Goettsch. 2,728,274.
- Langvand, Ivar L. G. J. Schoessow, and E. A. Brooks, to The Babcock & Wilcox Co. 2,698,610, Cl. 122—510.
- Lanham, Edward H., to Northern Electric Co., Ltd. 2,713,090, Cl. 179—84.
- Lanham, William M., and P. L. Smith, to Union Carbide and Carbon Corp. 2,718,524, Cl. 260—461.
- Lankford, Frank E., and J. L. Glasser. 2,721,035, Cl. 241—79.
- Lankford, Harry G. 2,710,096, Cl. 206—46.
- Lankro Chemicals Ltd. : *See*—  
Koebner, Adolf. 2,719,101.
- Lanmon, Dwight I. 2,721,255, Cl. 240—2.
- Lannan, George M., to Owens-Corning Fiberglas Corp. 2,702,069, Cl. 154—28.
- Lanneau, Keith P. : *See*—  
Charlet, Elphege M., and Lanneau. 2,717,864.
- Lanning, William C., and R. T. Wilson, to Phillips Petroleum Co. 2,715,603, Cl. 196—53.
- Lanninger, Karl L. 2,701,148, Cl. 285—92.
- Lanova Corp. : *See*—  
Brady, James V. 2,708,353.
- Brady, James V., and Hamilton. 2,708,354.
- Lanphere, Gerald B., to Liipe-Rollway Corp. 2,723,007, Cl. 188—97.
- Lansing, Horace L., to Poor & Co. 2,702,161, Cl. 238—244.
- Lansing, Paul J., to Thompson Products, Inc. 2,713,981, Cl. 244—135.
- Langstrom, Carl T., to United States Steel Corp. 2,710,062, Cl. 164—60.
- Langstrom, Carl T., to United States Steel Corp. 2,719,678, Cl. 242—25.
- Lant, Richard, to Roneo Ltd. 2,705,259, Cl. 178—6.6.
- Lantz, Clair W., and M. B. Powell,  $\frac{1}{2}$  to said Lantz and  $\frac{1}{2}$  to Precision-Cosmet Co. Inc. 2,704,010, Cl. 88—54.
- Lantz, Donald G., to General Motors Corp. 2,701,544, Cl. 118—64.
- Lantz, Durell J. 2,708,468, Cl. 144—208.
- Lantz, Joseph I. 2,720,911, Cl. 155—41.
- Lanyon, Samuel H., to Frank Groves Co. 2,720,850, Cl. 110—99.
- Lapenas, Torioia A., and O. Mohn, to Optron Laboratory. 2,699,633, Cl. 51—216.
- Lapham, Francis F., and R. O. Stewart. 2,721,760, Cl. 298—1.
- Lapham, Sidney D. 2,700,521, Cl. 248—120.
- Lapidus, Sol H., to U. S. Metal Products Co., Inc. 2,710,318, Cl. 200—61.37.
- La Pierre, Raymond, to Merck & Co., Inc. 2,712,499, Cl. 99—11.
- Lapin, Aaron S., to Reddi-Wip, Inc. 2,704,172, Cl. 222—394.
- Lapin, John, to The Dow Chemical Co. 2,713,705, Cl. 22—79.
- Laplante, Rene A. : *See*—  
Geddis, George K., and Laplante. 2,716,288.
- Lapointe Machine Tool Co., The : *See*—  
Bonafie, Oliver W. 2,719,761.
- La Porte, Francis L. : *See*—  
La Porte, Louis F. 2,698,522.
- La Porte, Louis F., to F. L. La Porte. 2,698,522, Cl. 62—117.55.
- La Pota, John B., to National Cylinder Gas Co. 2,711,979, Cl. 148—9.
- Lappin, Gerald R. : *See*—  
Bell, Alan, Tholstrup, and Lappin. 2,728,784.
- Lappin, Robert I. : *See*—  
Zaiger, Louis, and Lappin. 2,714,810.
- Lapple, Walter C., to Dorr-Oliver Inc. 2,723,883, Cl. 302—17.
- Lapple, Walter C., and H. W. Behme, to The Dorr Company. 2,715,018, Cl. 257—55.
- La Prairie, Adolphe J. C., to Canadian Industries (1954) Ltd. 2,699,117, Cl. 102—23.
- Lapsley, Rhea P., to The Okonite Co. 2,718,542, Cl. 174—35.
- Lapsley, Robert, to Clark Equipment Co. 2,718,950, Cl. 192—48.
- Lapsley, Robert, to Clark Equipment Co. 2,722,300, Cl. 192—53.
- Lapsley, Robert, to Clark Equipment Co. 2,727,606, Cl. 192—48.
- Lapsley, Robert, and O. H. Banker; said Lapsley assor. to Clark Equipment Co., and said Banker assor. to New Products Corp. 2,722,133, Cl. 47—472.
- Larach, Simon, to Radio Corp. of America. 2,710,262, Cl. 117—33.5.
- Larach, Simon, to Radio Corp. of America. 2,727,866, Cl. 252—301.6.
- Laraja, Artemio, and V. F. Sepavich, to Crompton & Knowles Loom Works. 2,715,421, Cl. 139—109.
- Lares, Robert K. 2,720,283, Cl. 184—105.
- Largay, James A., Jr. 2,718,285, Cl. 188—88.
- Large, Harold B. 2,706,045, Cl. 209—211.
- Large, William E., and R. F. Barrell, to Westinghouse Electric Corp. 2,703,860, Cl. 318—227.
- Larimore, Galen L., to Langenau Mfg. Co. 2,710,212, Cl. 292—128.
- Larin, Rolland. 2,711,873, Cl. 248—215.
- Larivé, Henri, and P. D. Collet, to Eastman Kodak Co. 2,708,669, Cl. 260—240.7.
- Lariviere, Pierre : *See*—  
Kleineberg, Paul E., and Lariviere. 2,711,896.
- Larkin, Artemas M., to W. L. Jencks. 2,709,744, Cl. 219—39.
- Larkin, Ernest W. 2,702,011, Cl. 107—19.
- Larkin, Ernest W. 2,725,070, Cl. 137—151.
- Larkin, James L., to Forbes Lithograph Mfg. Co. 2,707,609, Cl. 248—174.
- Larkin, John A. 2,720,291, Cl. 189—36.
- Larkin, Randall W., to Merla Tool Corp. 2,707,489, Cl. 138—45.
- Larkin, Sam. 2,722,903, Cl. 112—2.
- Larkin, Walter, to Fidelity Machine Co., Inc. 2,698,533, Cl. 66—144.
- Larkins, John S., Jr., to Elox Corporation of Michigan. 2,715,172, Cl. 219—15.
- Larkins, Vietta A. 2,698,620, Cl. 128—287.
- Larmour, James J., to Plastic Inlays, Inc. 2,724,200, Cl. 41—1.
- La Rosa, V., & Sons, Inc. : *See*—  
Femina, Felice D. 2,713,313.
- La Roza, Edward W. 2,705,267, Cl. 200—61.49.
- Larrabee, Clinton E., to International Business Machines Corporation. 2,715,054, Cl. 346—82.
- Larsen, Albert M. 2,698,494, Cl. 43—42.36.
- Larsen, Einer W., to Western Electric Co., Inc. 2,716,449, Cl. 164—61.
- Larsen, Elmer J., to Western Electric Co., Inc. 2,726,761, Cl. 207—2.
- Larsen, Franklin F.,  $\frac{1}{2}$  to R. A. Doeil. 2,708,494, Cl. 189—36.
- Larsen, Frederic P. 2,712,294, Cl. 116—34.
- Larsen, Fridthiof O. V., to Aktiebolaget Duba. 2,719,671, Cl. 235—61.
- Larsen, Grayland T. : *See*—  
Tuttle, Charles D., and Larsen. 2,722,908.
- Larsen, Hans A. 2,700,158, Cl. 2—8.
- Larsen, Harvey E., to Steger Products Mfg. Corp. 2,699,990, Cl. 51—304.
- Larsen, Merwin J., to Central Commercial Industries, Inc. 2,714,145, Cl. 200—153.
- Larsen, Oscar E. 2,703,450, Cl. 30—202.
- Larsen, Oscar F. : *See*—  
Fowler, Roland G., Frieberg, and Larsen. 2,728,526.
- Larsen, Paul V., to Electric Steel Foundry. 2,709,941, Cl. 85—8.1.
- Larsen, Rolland. 2,724,110, Cl. 340—282.
- Larsh, Almon E., Jr. : *See*—  
Glenn, William E., Jr., and Larsh. 2,715,181.
- Larshans, Anders G. V. : *See*—  
Hullegård, Erik W., Ulin, and Larshans. 2,706,746.
- Larson, Adlowe L., to Kool Kooshion Mfg. Co. 2,711,344, Cl. 296—49.2.
- Larson, Bob E. 2,709,869, Cl. 43—44.99.
- Larson, Charles O. 2,706,563, Cl. 211—178.
- Larson, Clarence E., to the United States of America as represented by the United States Atomic Energy Commission. 2,723,181, Cl. 23—14.5.
- Larson, Clarence P. 2,710,196, Cl. 280—36.
- Larson, Donald E. : *See*—  
Larson, Victor S. and D. E. 2,709,616.
- Larson, Elmer F. 2,724,381, Cl. 128—2.05.
- Larson, Eric O. : *See*—  
Knapp, Oswald E., and Larson. 2,703,348.
- Larson, Eric W., L. E. Hodes, and W. J. Moore, to L H M Co. 2,716,442, Cl. 155—179.
- Larson, Franz B. 2,706,978, Cl. 126—271.2.
- Larson, George A. 2,709,879, Cl. 51—191.
- Larson, H. William, to Sylvania Electric Products Inc. 2,724,071, Cl. 313—356.
- Larson, Henning R. 2,724,853, Cl. 15—229.
- Larson, Herbert J. 2,704,076, Cl. 128—348.
- Larson, Howard L., and L. L. Winter, to Union Carbide and Carbon Corp. 2,709,660, Cl. 106—56.
- Larson, John V. 2,713,280, Cl. 81—99.
- Larson, Kenneth R., to Snap-On Tools Corp. 2,715,333, Cl. 73—139.
- Larson, Melvin L. : *See*—  
Merkley, Francis X., and Larson. 2,724,719.
- Larson, Olefa S., to E. I. du Pont de Nemours and Co. 2,727,803, Cl. 8—46.
- Larson, Robert W. : *See*—  
Spindler, Norman J., Bloomstran, Larson, and Oram. 2,717,699.
- Larson, Sherman L. 2,711,592, Cl. 34—54.
- Larson, Swan E. : *See*—  
Albright, John R., and Larson. 2,714,857.
- Larson, Victor S., and D. E. 2,709,616, Cl. 294—78.
- Larsson, Gustaf, to AB Svenska Flaktfabriken. 2,708,488, Cl. 183—7.
- Larsson, Nils E. B. : *See*—  
Brandin, Johan A. I., and Larsson. 2,721,452.
- La Rue, Albert D., to Raytheon Mfg. Co. 2,704,337, Cl. 315—39.61.
- La Rue, Richard L. 2,720,072, Cl. 56—50.



- Larus & Brother Co.: *See*—  
 Larus, Robert L. T. 2,704,097.  
 Larus, Robert L. T., to Larus & Brother Co. 2,704,097, Cl. 147—3.  
 La Salle Steel Co.: *See*—  
 Martellotti, Mario. 2,726,579.  
 Lasater, John A., and T. A. Deakins, to Combustion Engineering, Inc. 2,713,703, Cl. 22—1.  
 Lasater, John A., and T. A. Deakins, to Combustion Engineering, Inc. 2,718,679, Cl. 22—31.  
 Lasdon Foundation, Inc.: *See*—  
 Huffman, Max N. 2,712,031.  
 Laser, Jakob, to Hartford National Bank and Trust Co., trustee. 2,710,356, Cl. 307—93.  
 Lashley, Sara H. 2,707,035, Cl. 190—52.  
 Lasho, Clarence E., Jr., to Collins Radio Co. 2,702,891, Cl. 339—93.  
 Laskowski, Edwin M. 2,707,787, Cl. 2—150.  
 Laskowski, Stanley C.: *See*—  
 Clinton, Raymond O., and Lashowski. 2,727,039.  
 Clinton, Raymond O., and Lashowski. 2,727,040.  
 Laspe, Albert T., to Lincoln Engineering Co. 2,712,364, Cl. 184—56.  
 La Spina, Edoardo E., to Socony Mobil Oil Co., Inc. 2,728,512, Cl. 228—1.  
 Lassen, Hans G., to E. L. Hawkins. 2,699,564, Cl. 15—202.  
 Lassen, Hans G., to Acme Steel Co. 2,719,358, Cl. 30—165.  
 Lasseter, Robert C. 2,715,361, Cl. 101—212.  
 Lassiat, Raymond C., to Sun Oil Co. 2,726,938, Cl. 23—288.  
 Lasto, Stephen W. 2,706,669, Cl. 308—201.  
 Lasure, Esther P.: *See*—  
 Gaver, Kenneth M., Lasure, and Thomas. 2,725,362.  
 Laszlo, Francois, to Etablissements Neyrpic. 2,699,652, Cl. 61—25.  
 Lateau, Herbert W. S., and S. C. Mehaffey. 2,718,396, Cl. 272—58.  
 La Telemecanique Electrique (Société Anonyme): *See*—  
 Bourdeau, Eusebe. 2,713,623.  
 Latenser, Albin, to Landis & Gyr, A. G. 2,702,478, Cl. 73—405.  
 Latham, Roy E. 2,721,538, Cl. 119—91.  
 Lathrop, Elbert C.: *See*—  
 Aronovsky, Samuel I., and Lathrop. 2,708,160.  
 Lathrop-Paulson Co., The: *See*—  
 Hageline, Emil E. 2,724,529.  
 Latimer, Charles A.: *See*—  
 Dolan, Francis D., and Latimer. 2,722,091.  
 Latimer, Henry R. 2,712,199, Cl. 46—25.  
 Latimer, Kenneth E., to Hartford National Bank and Trust Co., as trustee. 2,699,530, Cl. 336—73.  
 Latimer-Needham, Cecil H., to Flight Refuelling Ltd. 2,716,527, Cl. 244—3.  
 Latincich, Matthew. 2,727,702, Cl. 242—100.  
 Latour, André. 2,707,739, Cl. 200—144.  
 La Tour, Clifford S., to Lyn-Chicago Corp. 2,724,894, Cl. 30—324.  
 Latour, Theodore R., to E. I. du Pont de Nemours and Co. 2,716,049, Cl. 18—54.  
 Latrobe Steel Co.: *See*—  
 Giles, David J. 2,709,132.  
 Latshaw, Robert V., to the United States of America as represented by the Secretary of the Navy. 2,718,164, Cl. 81—51.  
 Latta, Edward, to Redmond Co., Inc. 2,717,518, Cl. 74—75.  
 Latta, John F. 2,705,511, Cl. 143—48.  
 Latulippe, Eddy D., to Turbosonics, Inc. 2,716,463, Cl. 181—55.  
 Latvala, Waino K., and T. Jalkanen. 2,725,141, Cl. 206—57.  
 Latzen, Josef, to A. Ehrenreich & Cie. 2,708,590, Cl. 287—90.  
 Latzen, Josef, to A. Ehrenreich & Cie. 2,712,462, Cl. 287—85.  
 Latzen, Josef, to A. Ehrenreich & Cie. 2,718,418, Cl. 287—90.  
 Latzen, Josef, to A. Ehrenreich & Cie. 2,727,768, Cl. 287—90.  
 Latzoni, Samuel A. 2,723,463, Cl. 34—60.  
 Lau Blower Co., The: *See*—  
 Burrowes, John B. 2,711,285.  
 Laub, Herman, III, 15% to R. E. Geauque. 2,705,622, Cl. 261—18.  
 Laubach, Gerald D., to Chas. Pfizer & Co., Inc. 2,708,651, Cl. 167—52.  
 Lauck, Ernest M. 2,708,872, Cl. 100—43.  
 Lauck, Francis W., to A. O. Smith Corp. 2,716,289, Cl. 34—27.  
 Lauck, John A., to Borg-Warner Corp. 2,719,055, Cl. 299—107.6.  
 Lauck, John A., to Borg-Warner Corp. 2,721,448, Cl. 60—52.  
 Laucks, Howard H.: *See*—  
 Teague, Walter D., Jr., and Laucks. 2,720,282.  
 Laudar Co., The: *See*—  
 Johnson, Darrell M., and Walton. 2,706,348.  
 Johnson, Darrell M., and Walton. 2,706,349.  
 Lauder, Wallace A., to The W. L. Maxson Corp. 2,728,826, Cl. 200—67.  
 Lauderdale, Samuel M.: *See*—  
 Schmitt, Page M., and Lauderdale. 2,708,057.  
 Laue, Eric G.: *See*—  
 Wright, Harry D., and Laue. 2,714,672.  
 Lauer, George G., to The M. W. Kellogg Co. 2,700,052, Cl. 260—504.  
 Lauer, James L., to Sun Oil Co. 2,718,480, Cl. 134—2.  
 Laufer, Louis, L. C. Reed, and S. Gutcho, to Schwarz Laboratories, Inc. 2,702,799, Cl. 260—112.  
 Laufer, Louis, and S. Gutcho, to the United States of America as represented by the Secretary of the Navy. 2,711,989, Cl. 195—37.  
 Laughlin, Cecil L. 2,704,903, Cl. 41—10.  
 Laughlin, Clayton A., to Northwest Plastics, Inc. 2,716,147, Cl. 136—177.  
 Laughlin, Myron P. 2,716,443, Cl. 155—182.  
 Laugle, Millard J., Sr. 2,702,620, Cl. 193—35.  
 Laumeyer, Norman G. 2,710,124, Cl. 223—88.  
 Launder, Ernie L. 2,702,490, Cl. 85—8.3.  
 Launder, Ernie L., to H. & L. Tooth Co. 2,703,938, Cl. 37—142.  
 Launder, Ernie L., and C. C. Hosmer. 2,716,822, Cl. 37—142.  
 Laure, George R. 2,716,255, Cl. 16—42.  
 Laurel Hosiery Co.: *See*—  
 Lerch, Edward J., Thompson, and Hornberger. 2,698,530.  
 Laurence, Lawton L., and C. W. Hayes, to Black, Sivalls & Bryson, Inc. 2,725,337, Cl. 196—11.  
 Laurent-Christensen, Helge: *See*—  
 Jensen, Gunnar, and Holm. 2,708,424.  
 Laurie, Kenneth S., to John Dalglish & Sons Ltd. 2,719,349, Cl. 26—60.  
 Laurila, Erkki A., to Aktiengesellschaft für Unternehmungen der Eisen- und Stahlindustrie. 2,711,249, Cl. 209—219.  
 Lauritsen, Charles C., to the United States of America as represented by the Secretary of the Navy. 2,703,508, Cl. 89—1.7.  
 Lausch, Robert: *See*—  
 Koreska, Wilhelm, and Lausch. 2,717,578.  
 Lautenbach, Friedrich, F. Uhink, K. Fickenscher, R. Haller, and J. Irtenkauf. 2,704,464, Cl. 74—325.  
 Lauterbach, Norman E., to Ritter Co., Inc. 2,700,524, Cl. 248—280.  
 Lautenbacher, Hans: *See*—  
 Brendel, Theodor, and Lautenbacher. 2,724,992.  
 Lautz, Carl F., to Houdaille-Hershey Corp. 2,702,099, Cl. 188—88.  
 Lautz, Walter G.: *See*—  
 Sheets, Thomas M., and Lautz. 2,721,428.  
 Lautzenhiser, Argyle G., to General Motors Corp. 2,722,205, Cl. 123—103.  
 Lauwasser, Albert B., to Chicago Pump Co. 2,708,036, Cl. 210—152.  
 Laval, Claude, Jr. Re. 24,076, Cl. 95—11.  
 Lavalie, Vern G.: *See*—  
 Page, Roscoe A., and Lavalie. 2,719,793.  
 Lavarack, Frederick C., and F. J. Hussey, Jr., to Railroad Accessories Corp. 2,712,914, Cl. 246—452.  
 Lavarack, Frederick C., F. J. Hussey, Jr., and B. A. Lundy, Jr., to Railroad Accessories Corp. 2,713,102, Cl. 200—158.  
 Lavenburg, Albert: *See*—  
 Reingold, Noah. 2,723,889.  
 Laverdisse, Edmond, to Les Glaceries de la Sambre Societe Anonyme. 2,699,021, Cl. 51—209.  
 Laverdisse, Edmond, to Les Glaceries de la Sambre, Societe Anonyme. 2,705,853, Cl. 51—112.  
 Laverdisse, Edmond, to Les Glaceries de la Sambre, Societe Anonyme. 2,705,854, Cl. 51—112.  
 Lavers, Albert W., to The New Holland Machine Division of The Sperry Corp. 2,711,742, Cl. 130—30.  
 Laverty, Howard J., to Edward Weck & Co., Inc. 2,719,357, Cl. 30—142.  
 Lavery, Charles A.: *See*—  
 Maher, Joseph L., and Lavery. 2,717,580.  
 Lavin, Jose D. 2,702,185, Cl. 261—78.  
 Law, Charles K., to Radio Corp. of America. 2,704,329, Cl. 250—36.  
 Law, Harold B., to Radio Corp. of America. 2,702,274, Cl. 204—192.  
 Law, Harold B., to Radio Corp. of America. 2,722,623, Cl. 313—80.  
 Law, Harold B., to Radio Corp. of America. 2,727,828, Cl. 117—33.5.  
 Law, Peter L., to Communication Engineering Pty. Ltd. 2,715,950, Cl. 186—1.  
 Law, Peter L., and A. D. Lackey, to Communication Engineering Pty. Ltd. 2,703,640, Cl. 194—7.  
 Law, William E. 2,709,271, Cl. 15—104.01.  
 La Wall, George R., to General Electric Co. 2,727,088, Cl. 174—135.  
 Lawes Bros. Ltd.: *See*—  
 Lawes, Francis G. R. 2,710,780.  
 Lawes, Francis G. R., to Lawes Bros. Ltd. 2,710,780, Cl. 311—37.  
 Lawler, Paul, Jr. 2,717,765, Cl. 257—4.  
 Lawler, Paul, Jr. 2,718,493, Cl. 202—172.  
 Lawlor, Joseph P., to General Filter Co. 2,721,173, Cl. 210—16.  
 Lawrance, Richard B.: *See*—  
 Carr, George W., and Lawrance. 2,714,484.  
 Lawrance, Richard B., and R. A. Yeaton, to National Research Corp. 2,709,034, Cl. 230—101.  
 Lawrance, Richard B., and G. A. Sofer, to National Research Corp. 2,721,025, Cl. 230—101.  
 Lawrence, Clarence D.: *See*—  
 Campbell, James M. 2,726,590.  
 Lawrence, Donald M.: *See*—  
 Rose, Maurice, and Lawrence. 2,706,605.  
 Lawrence, Ernest O.: *See*—  
 Wright, Byron T., and Lawrence. 2,713,641.  
 Lawrence, Ernest O., to Chromatic Television Laboratories, Inc. 2,702,873, Cl. 313—78.



- Lawrence, Ernest O., to the United States of America as represented by the United States Atomic Energy Commission. 2,709,222, Cl. 250—41.9.
- Lawrence, Ernest O., to Chromatic Television Laboratories, Inc. 2,711,493, Cl. 313—77.
- Lawrence, Ernest O., to the United States of America as represented by the United States Atomic Energy Commission. 2,714,664, Cl. 250—41.9.
- Lawrence, Ernest O., to the United States of America as represented by the United States Atomic Energy Commission. 2,715,682, Cl. 250—41.9.
- Lawrence, Ernest O., to the United States of America as represented by the United States Atomic Energy Commission. 2,721,272, Cl. 250—41.9.
- Lawrence, Ernest O., to the United States of America as represented by the United States Atomic Energy Commission. 2,727,150, Cl. 250—41.9.
- Lawrence, Ernest O., W. R. Aiken, and D. A. Mack, to Chromatic Television Laboratories, Inc. 2,705,257, Cl. 178—5.2.
- Lawrence, Ernest O., and J. S. Foster, Jr., to the United States of America as represented by the United States Atomic Energy Commission. 2,726,805, Cl. 230—69.
- Lawrence, Franklin I. L., R. K. Smith, and M. J. Pohorilla, to Kendall Refining Co. 2,721,121, Cl. 44—76.
- Lawrence, Franklin I. L., R. K. Smith, and M. J. Pohorilla, to Kendall Refining Co. 2,721,180, Cl. 252—49.6.
- Lawrence, Franklin I. L., R. K. Smith, and M. J. Pohorilla, to Kendall Refining Co. 2,721,181, Cl. 252—49.6.
- Lawrence, Hallett T., to Spir-It, Inc. 2,723,111, Cl. 259—144.
- Lawrence, Nathaniel Q., to Pye Ltd. 2,717,919, Cl. 178—7.2.
- Lawrence, Theodore G. 2,701,704, Cl. 251—25.
- Lawrence, Thomas F. W.: *See—*  
Kendall, John D., Duffin, and Lawrence. 2,705,713.
- Lawrence, Walter F., Jr., to Radio Corp. of America. 2,715,586, Cl. 117—62.
- Laws, Cecil A., to Elliott Brothers (London) Ltd. 2,718,608, Cl. 315—9.
- Lawsberg, Charles L., to General Aniline & Film Corp. 2,722,488, Cl. 117—126.
- Lawson, Axel A., to Melpar, Inc. 2,726,889, Cl. 292—170.
- Lawson, Birdsall P., to Pilling Chain Co. 2,723,446, Cl. 29—409.
- Lawson, Birdsall P., to Pilling Chain Co. 2,723,447, Cl. 29—410.
- Lawson, Gustaf R., to General Electric Co. 2,723,382, Cl. 339—164.
- Lawson, Hugh C.: *See—*  
Reynolds, Julian L., and Lawson. 2,704,013.
- Lawson, James L., and B. B. Cork, to the United States of America as represented by the Secretary of the Navy. 2,712,646, Cl. 343—5.
- Lawson, John B.: *See—*  
Chiodine, Samuel F., and Lawson. 2,723,543.
- Lawson, Julian K., Jr., to The Chemstrand Corp. 2,710,870, Cl. 260—309.
- Lawson, Marguerite L. 2,703,404, Cl. 2—79.
- Lawson Products, Inc.: *See—*  
Chiodine, Samuel F., and Lawson. 2,723,543.
- Lawson, Robert H., to Scott & Williams, Inc. 2,709,352, Cl. 66—149.
- Lawson, Robert H., to Scott & Williams, Inc. 2,719,415, Cl. 66—13.
- Lawson, Roderick A.: *See—*  
Berntson, Chester Q. 2,700,506.
- Lawson, William L., to Whitehouse Products, Inc. 2,710,948, Cl. 339—45.
- Lawter, Lee R. 2,726,840, Cl. 46—52.
- Lawther, James M., to the United States of America as represented by the Secretary of the Navy. 2,715,699, Cl. 315—208.
- Lawton, Joseph J., to Allied Chemical & Dye Corp. 2,720,486, Cl. 196—38.
- Lawton, Robert W., Jr. 2,707,650, Cl. 293—69.
- Lawyer, James E., to International Minerals & Chemical Corp. 2,723,029, Cl. 209—127.
- Laxo, Ed. 2,726,702, Cl. 153—11.
- Laxo, Ed. to W. F. and John Barnes Co. 2,727,481, Cl. 113—17.
- Layden, Paul W. 2,714,006, Cl. 271—28.
- Layer, Ellsworth G., to Remington Rand Inc. 2,706,141, Cl. 312—311.
- Layman, Herschel M.: *See—*  
Manning, Harry E., and Layman. 2,703,409.
- Layman, Robert E. 2,703,820, Cl. 174—156.
- Laymon, Kermit T. 2,705,736, Cl. 136—135.
- Layne, Leslie A.: *See—*  
Mundt, Louis C. 2,724,442.
- Layne, Mark B. 2,719,747, Cl. 294—89.
- Layne, Mark B., and L. L. Held. 2,705,167, Cl. 294—99.
- Layne, Mark B., and L. L. Held. 2,720,132, Cl. 82—44.
- Layton, Dudley A., and W. E. Rogers. 2,722,151, Cl. 82—14.
- Layton, J. C., to Towlsaver, Inc. 2,711,860, Cl. 242—55.2.
- Layton, J. C., to Towlsaver, Inc. 2,720,122, Cl. 74—565.
- Layton, J. C., and R. Shaffer, to Towlsaver, Inc. 2,708,375, Cl. 74—565.
- Layton, J. C., and R. Shaffer, to Towlsaver, Inc. 2,712,934, Cl. 271—2.4.
- Lazar, Michael D., to Burndy Engineering Co., Inc. 2,705,432, Cl. 81—46.
- Lazard, Boris L. 2,721,674, Cl. 220—63.
- La Zerte, James D., to Minnesota Mining & Mfg. Co. 2,704,769, Cl. 260—465.7.
- La Zerte, James D., W. H. Pearlson, and E. A. Kauck, to Minnesota Mining & Mfg. Co. 2,704,776, Cl. 260—653.
- Lazier, Allan C., to Northrop Aircraft, Inc. 2,705,898, Cl. 81—73.
- Lazier, Wilbur A., and C. Cordenca, to Food Machinery and Chemical Corp. 2,710,825, Cl. 167—94.
- Lazier, Wilbur A., W. J. Peppel, and P. L. Salzberg, to the United States of America as represented by the Secretary of War. 2,725,335, Cl. 167—63.
- Lazzari, Craig C. 2,710,025, Cl. 138—26.
- Lazzari, Mario G. 2,712,644, Cl. 340—330.
- Lea, Bernard A.: *See—*  
Fry, Douglas J., and Lea. 2,712,013.  
Fry, Douglas J., and Lea. 2,715,623.  
Fry, Douglas J., and Lea. 2,723,267.
- Lea, Chester W. 2,720,658, Cl. 4—239.
- Lea, Norman D., to The Foundation Co. of Canada Ltd. 2,709,363, Cl. 73—89.
- Leach, Clayton B., to General Motors Corp. Re. 24,035, Cl. 123—90.
- Leach, Clayton B., to General Motors Corp. 2,718,221, Cl. 123—191.
- Leach & Garner Co.: *See—*  
Leach, Philip F. 2,711,577.
- Leach, Herbert L., to Schulmerich Electronics, Inc. 2,708,337, Cl. 58—38.
- Leach, James H.: *See—*  
Evans, John G., Leach, and Meals. 2,710,816.
- Leach, Philip F., to Leach & Garner Co. 2,711,577, Cl. 29—414.
- Leachman, Robert B., to the United States of America as represented by the Secretary of the Navy. 2,724,826, Cl. 343—13.
- Leader, Denis A.: *See—*  
Leader, Sidney A. 2,703,776.
- Leader, Sidney A., to P. D. Sheridan-Young and D. A. Leader. 2,703,776, Cl. 154—140.
- Leaf, Walter B. 2,721,930, Cl. 240—46.53.
- Leahan, Frank E. 2,719,715, Cl. 272—18.
- Leake, James M. 2,727,500, Cl. 123—90.
- Leake, Norman H.: *See—*  
Cronheim, Georg E., Leake, and Fielden. 2,717,899.  
Cronheim, Georg E., Leake, and Fielden. 2,721,826.
- Leaman, Wilbur K.: *See—*  
Coonradt, Harry L., and Leaman. 2,718,489.
- Leander Corp., The: *See—*  
Rowe, Orville M., Wood, and Gayne. 2,700,827.
- Leander, Russell J. 2,710,472, Cl. 40—39.
- Leander, Russell J., to Chicago Show Printing Co. 2,728,451, Cl. 206—60.
- Leanza, William J.: *See—*  
Pfister, Karl, III, and Leanza. 2,708,202.
- Leanza, William J., and E. F. Rogers, to Merck & Co., Inc. 2,720,481, Cl. 167—65.
- Leanza, William J., and E. F. Rogers, to Merck & Co., Inc. 2,728,768, Cl. 260—250.
- Lear, Earl B., to Chicago Pneumatic Tool Co. 2,725,854, Cl. 121—10.
- Lear, Earl B., and D. F. Samhammer, to Chicago Pneumatic Tool Co. 2,709,059, Cl. 248—178.
- Lear, Earl B., and D. F. Samhammer, to Chicago Pneumatic Tool Co. 2,726,066, Cl. 255—51.
- Lear, Emory K., 25% to A. J. Fihe. 2,713,939, Cl. 206—58.
- Lear, Inc.: *See—*  
Carr, William F. 2,711,450.  
Carr, William F. 2,722,396.  
Lear, William P., and Boshka. 2,705,064.  
Schoepel, John F., Varner, and Andres. 2,720,569.  
Weaver, Hugh T. 2,724,251.
- Lear, Joseph D., to Silver Creek Precision Corp. 2,716,306, Cl. 43—148.
- Lear, William P., and J. M. Boshka, to Lear, Inc. 2,705,064, Cl. 192—21.5.
- Leard, Eldred R., to Australian General Electric Proprietary Ltd. 2,726,596, Cl. 99—329.
- Learmont, Tom: *See—*  
Davidson, Trevor O., and Learmont. 2,727,794.
- Leary, James W., and F. E. Mangialomini. 2,699,202, Cl. 155—112.
- Leary, Joseph C. 2,724,916, Cl. 39—39.
- Leary, Michael, to W. Freeman. 2,709,097, Cl. 287—92.
- Leary, Robert F.: *See—*  
Jares, Stanley E., Gleason, and Leary. 2,728,801.
- Leary, Robert F., to Esso Research and Engineering Co. 2,714,620, Cl. 260—669.
- Leary, Robert F., S. E. Jaros, and A. H. Gleason, to Esso Research and Engineering Co. 2,712,562, Cl. 260—669.
- Leary, Robert F., and F. W. Banes, to Esso Research and Engineering Co. 2,718,492, Cl. 202—39.5.
- Leash, Charles A.: *See—*  
Fitzkee, Franklin A., and Leash. 2,714,965.
- Leath, William J., and F. E. Bobo, Jr., to Chadolon, Inc. 2,711,627, Cl. 57—157.
- Leath, William J., and R. M. Matthews, to Chadolon, Inc. 2,714,757, Cl. 28—76.
- Leath, William J., and F. E. Bobo, Jr. 2,714,812, Cl. 66—146.
- Leathem, McKinley B., Sr.: *See—*  
Leathem, Thomas H., Jr., and M. B. 2,724,613.
- Leathem, Thomas H., Jr., and M. B. Leathem, Sr. 2,724,613, Cl. 299—6.
- Leatherman, Clement M.: *See—*  
Kelly, George M., and Leatherman. 2,709,273.
- Leatherman, Earl W. 2,703,135, Cl. 155—2.
- Leatherman, Johnnie L. 2,699,350, Cl. 292—100.
- Leatherman, Myrtle: *See—*  
Kelly, George M., and Leatherman. 2,709,273.



- Leathers, L. M., Sons: *See*—  
Leathers, Leon M. 2,716,511.  
Leathers, Leon M., to L. M. Leathers' Sons. 2,716,511, Cl. 222—529.  
Leavens, William B., to The Wilkata Folding Box Co. 2,714,981, Cl. 229—38.  
Leavens, William B., Jr. 2,711,691, Cl. 101—216.  
Leavenworth, Max H. 2,711,165, Cl. 128—1.  
Leavenworth Steel, Inc.: *See*—  
Haynes, William J., Sr. 2,710,781.  
Leaver, James F. 2,702,675, Cl. 242—130.  
Leavitt, Julian J., to American Cyanamid Co. 2,712,005, Cl. 260—140.  
Leavitt Machine Co.: *See*—  
McAfee, Walter E. 2,720,736.  
Leavitt, Paul F.: *See*—  
Wardell, Lynwood, Leavitt, and Krupp. 2,719,484.  
Lebacqz, Jean V., to the United States of America as represented by the Secretary of the Navy. 2,710,351, Cl. 250—27.  
Le Baron, Ira M., to International Minerals & Chemical Corp. 2,709,640, Cl. 23—259.2.  
Le Baron, Ira M., to International Minerals & Chemical Corp. 2,709,649, Cl. 71—40.  
Le Baron, Ira M., to International Minerals & Chemical Corp. 2,722,472, Cl. 23—109.  
Lebau, Gerald I. 2,727,511, Cl. 128—151.  
Leber, Felix. 2,708,093, Cl. 251—58.  
Le Berge, R. W., to E. I. du Pont de Nemours and Co. 2,705,702, Cl. 260—22.  
Lebherz, Harry J., to The Everedy Co. 2,706,239, Cl. 219—35.  
Le Blanc, Henry J., to Swank, Inc. 2,718,326, Cl. 220—22.  
Le Blanc, Homer. 2,706,868, Cl. 43—42.52.  
Le Blond, R. K., Machine Tool Co., The: *See*—  
Siekman, Harold J., and Luning. 2,728,254.  
Le Boeuf, Edgar W.: *See*—  
Smith, Cornelius P., Le Boeuf, and McIntire. 2,707,805.  
Le Bon, Charles B., III: *See*—  
Best, Melvin H., and Le Bon. 2,719,340.  
Le Bon, Charles B., III, to Arcadia Metal Products, Inc. 2,701,157, Cl. 292—113.  
Lebourg, Maurice P., to Schlumberger Well Surveying Corp. 2,712,697, Cl. 33—178.  
Le Bovit, David. 2,714,361, Cl. 112—151.  
Le Bus, Franklyn L., Sr. 2,708,080, Cl. 242—117.  
Le Bus, George F. 2,718,308, Cl. 210—51.  
Lebus, William A., to The Protectoseal Co. 2,720,201, Cl. 126—85.  
Lecher, Hans Z., and E. M. Hardy, to American Cyanamid Co. 2,706,200, Cl. 260—370.  
Lecher, Hans Z., and E. M. Hardy, to American Cyanamid Co. 2,712,547, Cl. 260—453.  
Lecher, Hans Z., T. H. Chao, and K. C. Whitehouse, to American Cyanamid Co. 2,717,906, Cl. 260—500.  
Lecher, Hans Z., and C. L. Kosloski, to American Cyanamid Co. 2,727,922, Cl. 260—564.  
Lecher, Joseph, to The Microcyclomat Co. 2,709,552, Cl. 241—1.  
Lechner, Paul P., Jr.: *See*—  
Hobson, Gordon G. 2,702,551.  
Lechtenberg, Leo J.: *See*—  
Brown, Hugh S., and Lechtenberg. 2,699,636.  
Lechthaler, Charles H., to Socony-Vacuum Oil Co., Inc. 2,701,785, Cl. 196—52.  
Le Clair, Camille C. S., to Tecalemit Ltd. 2,712,402, Cl. 222—121.  
Le Clair, Camille C. S., to Tecalemit Ltd. 2,719,603, Cl. 184—7.  
Le Clair, Camille C. S., to Tecalemit Ltd. 2,728,415, Cl. 184—7.  
Leclerc, Armand J. and R. W. 2,708,401, Cl. 100—234.  
Leclerc, Armand J. and R. W. 2,726,029, Cl. 226—89.  
Leclerc, Raymond W.: *See*—  
Leclerc, Armand J. and R. W. 2,708,401.  
Leclerc, Armand J. and R. W. 2,726,029.  
Lectra Products Co.: *See*—  
Nathan, Edward. Re. 24,046.  
Le Dain, Harvey J.: *See*—  
Harwood, Kenneth J., Hogue, Le Dain, and Sabee. 2,719,337.  
Harwood, Kenneth J., Hogue, Le Dain, and Sabee. 2,726,423.  
Ledbetter, John N., Jr.: *See*—  
Holm-Hansen, Osmund. 2,699,838.  
Lederer, Albrecht M.: *See*—  
Hensgen, Bernard T., Vanden Bosch, Lederer, and Wood. 2,717,212.  
Ledgerwood, Leroy W., Jr., to Esso Research and Engineering Co. 2,717,761, Cl. 255—1.8.  
Ledgerwood, Leroy W., Jr., to Esso Research and Engineering Co. 2,724,574, Cl. 255—61.  
Ledgerwood, Leroy W., Jr., and F. G. Boucher, to Standard Oil Development Co. 2,698,736, Cl. 255—61.  
Ledinegg, Maximilian (Max), ½ to Simmering-Graz-Pauker Aktiengesellschaft für Maschinen-Kessel-und Waggonbau. 2,709,629, Cl. 309—29.  
Leditschke, Heinrich: *See*—  
Ehrhart, Gustav, Ruschig, and Leditschke. 2,704,767.  
Leduc, Alfred. 2,724,915, Cl. 37—45.  
Leduc, Rene. 2,711,158, Cl. 121—41.  
Leduc, René. 2,717,579, Cl. 121—41.  
Ledwith, Walter A., to United Aircraft Corp. 2,702,665, Cl. 230—114.  
Ledwith, Walter A., to United Aircraft Corp. 2,702,687, Cl. 253—39.  
Ledwith, Walter A., to the United States of America as represented by the Secretary of the Air Force. 2,715,494, Cl. 230—134.  
Ledwith, Walter A., and E. C. Shoup, Jr., to United Aircraft Corp. 2,722,373, Cl. 230—133.  
Lee, Arthur L., to Pittsburgh Consolidation Coal Co. 2,712,245, Cl. 74—360.  
Lee, Burton D., to The Texas Co. 2,724,453, Cl. 181—5.  
Lee, Cecil T. 2,722,953, Cl. 143—19.  
Lee, Charles B.: *See*—  
Brown, Ellis M., Lee, and Gilford. 2,713,308.  
Lee, Charles B., and G. M. Neff, to John Oster Mfg. Co. 2,699,509, Cl. 310—29.  
Lee, Clifton M., to United Shoe Machinery Corp. 2,702,912, Cl. 12—123.  
Lee, David C., Jr.: *See*—  
Bowen, Kenneth D., Keck, and Lee. 2,700,677.  
Lee, Don, Division of General Teleradio, Inc.: *See*—  
Jury, Harold W. 2,727,942.  
Lee, Edgar D., Jr.: *See*—  
Lehman, Roy G., and Lee. 2,727,767.  
Lee, Edison G., to Diamond Alkali Co. 2,721,840, Cl. 252—8.5.  
Lee Engineering Co.: *See*—  
Gambardella, Carmine J. 2,703,632.  
Lee, Ferman N., H. G. Shaw, and H. P. Diggle, to United Shoe Machinery Corp. 2,698,953, Cl. 12—16.2.  
Lee Foundation For Nutritional Research: *See*—  
Lee, Royal. 2,715,607.  
Lee, Royal, and Hanson. 2,706,928.  
Lee, Francis E., to E. R. Snedaker. 2,703,443, Cl. 20—35.  
Lee, Francis H., to Hopper Machine Works, Inc. 2,703,634, Cl. 189—11.  
Lee, Fred A.: *See*—  
Sewell, Ernest R., Lee, and Lindblom. 2,708,133.  
Steward, Ray D., and Lee. 2,723,710.  
Lee, Glen M., and R. J. Olson. 2,699,340, Cl. 280—145.  
Lee, Hugh B., and R. L. Akre, to The Maumee Collieries Co. 2,703,528, Cl. 102—23.  
Lee, James W.: *See*—  
Hoskins, Everett L., and Lee. 2,707,466.  
Lee, John W. 2,701,978, Cl. 82—33.  
Lee, Leighton, II, to Niles-Bement-Pond Co. 2,700,872, Cl. 60—39.28.  
Lee, Max M., to the United States of America as represented by the Secretary of the Army. 2,700,185, Cl. 18—59.  
Lee, Paul A. 2,714,776, Cl. 41—10.  
Lee, Perry A. and R. H. 2,705,026, Cl. 139—270.  
Lee, Ray G., and H. E. Dillard. 2,725,944, Cl. 180—1.  
Lee, Raymond H.: *See*—  
Lee, Perry A. and R. H. 2,705,026.  
Lee, Richard B.: *See*—  
Tatom, Raymond F., Butler, Lee, and Lund. 2,726,056.  
Lee, Richard W., to the United States of America as represented by the Secretary of War. 2,700,762, Cl. 343—11.  
Lee, Robert E.: *See*—  
Olson, Elmer W., and Lee. 2,705,915.  
Lee, Robert H., to P. R. Mallory & Co., Inc. 2,710,938, Cl. 321—25.  
Lee-Rowan Co.: *See*—  
Lehman, Roy G., and Lee. 2,727,767.  
Lee, Royal, to Lee Foundation For Nutritional Research. 2,715,607, Cl. 202—153.  
Lee, Royal, and W. A. Hanson, to Lee Foundation For Nutritional Research. 2,706,928, Cl. 88—14.  
Lee, Shih-Ying: *See*—  
Li, Yao T., and Lee. 2,721,919.  
Lee, Terri, Inc.: *See*—  
Gradwohl, Violet L. 2,709,870.  
Lee, William M., and J. Jonas, to Northrop Aircraft, Inc. 2,699,906, Cl. 244—53.  
Lee, William H. 2,717,349, Cl. 318—237.  
Leeberg, Edward. 2,712,789, Cl. 101—415.1.  
Leece-Neville Co., The: *See*—  
Diamantides, Nicholas D. 2,702,363.  
Hueffed, Homer C., and Orvis. 2,725,488.  
Niemi, William. 2,723,323.  
Leeds, Laurance M., to General Electric Co. 2,712,615, Cl. 315—27.  
Leeds, Laurance M., to General Electric Co. 2,712,616, Cl. 315—27.  
Leeds and Northrup Co.: *See*—  
Davis, Elwood T. 2,706,083.  
Jewett, Lawrence E. 2,714,894.  
Kratochvil, Kenneth V., and Voelker. 2,718,576.  
McAdam, Will. 2,719,265.  
Miller, Charles E. 2,704,822.  
Murray, George E. R. 2,719,264.  
Ross, Raymond W. 2,721,109.  
Williams, Albert J., Jr., and Clark. 2,715,209.  
Williams, Albert J., Jr., Clark, and McAdam. 2,724,022.  
Leek, Wayne E., to Remington Arms Co., Inc. 2,719,460, Cl. 89—37.  
Leeman, Jan N. J., to Stamicarbon N. V. 2,699,870, Cl. 209—172.  
Leeman, Jan N. J., to Stamicarbon N. V. 2,701,058, Cl. 209—172.5.  
Leerkamp, Herbert H., to J. A. Rockwood and H. H. Leerkamp. 2,716,913, Cl. 82—12.  
Lees, Gerald M., to Col-Flake Corp. 2,712,734, Cl. 62—107.  
Lees, Gerald M., to Akshun Mfg. Co. 2,716,869, Cl. 62—107.



- Lees, James, and Sons Co.: *See*—  
 Eisler, Arthur J., and Moxley. 2,715,918.  
 Gebert, Russell C. 2,708,457.  
 Gebert, Russell C. 2,708,458.  
 Smiley, Harry J. 2,700,401.  
 Smiley, Harry J. 2,715,917.  
 Smiley, Harry J. 2,715,921.
- Lees, Samuel: *See*—  
 Prupis, Robert I., and Lees. 2,705,322.
- Leese, Charles P., to Standard Car Truck Co. 2,705,925, Cl. 105—197.
- Leete, Bernard D., to General Electric Co. 2,720,625, Cl. 324—70.
- Le-Feuvre Corp.: *See*—  
 Kempter, Joseph C. 2,728,621.
- Lefebvre, Alderic. 2,721,682, Cl. 224—45.
- Le Febvre, Alfred L., to The Fuller Brush Co. 2,700,564, Cl. 287—119.
- Le Febvre, Alfred L., D. M. Small, and A. O. Johnson, to Stanley Home Products, Inc. 2,714,737, Cl. 15—119.
- Leferson, Joseph: *See*—  
 Machlett, Raymond R., and Leferson. 2,714,676.
- Lefevre-Selmer Henri, to H. & A. Selmer, Inc. 2,710,558, Cl. 84—385.
- Leffer, Frederick A. W., to Universal Oil Products Co. 2,725,347, Cl. 202—6.
- Leffer, Frederick A. W., to Universal Oil Products Co. 2,727,812, Cl. 48—197.
- Leffer, Frederick A. W., to Universal Oil Products Co. 2,727,813, Cl. 48—197.
- Leffer, Frederick W., to Universal Oil Products Co. 2,700,644, Cl. 202—91.
- Leffer, Frederick W., to Universal Oil Products Co. 2,719,114, Cl. 196—55.
- Leffer, Frederick W., to Universal Oil Products Co. 2,727,810, Cl. 23—288.
- Leffingwell Co.: *See*—  
 Allison, John R. 2,726,188.
- Lefrand, Edouard,  $\frac{1}{2}$  to Conservatoire National des Arts et Metiers. 2,722,097, Cl. 58—30.
- Legal, Casimer C., Jr., to W. R. Grace & Co. 2,724,701, Cl. 252—313.
- Legat, Robert C., to The G. E. Prentice Mfg. Co. 2,715,255, Cl. 24—205.14.
- Legate, Elzie E. 2,712,951, Cl. 286—16.
- Legate, Rex E., to Electric & Musical Industries Ltd. 2,728,891, Cl. 332—37.
- Leger, Joseph A.: *See*—  
 Williams, Alan E., and Leger. 2,701,460.
- Legg, Arthur C. 2,720,885, Cl. 135—5.
- Legg, Harry P., to Kaiser Aluminum and Chemical Corp. 2,698,811, Cl. 117—46.
- Legg, Keith D. 2,707,061, Cl. 214—506.
- Legg, Lawrence E., and A. M. Sclaro. 2,709,764, Cl. 310—239.
- Legge, Walter G. 2,712,098, Cl. 317—2.
- Legge, Walter G. 2,712,099, Cl. 317—2.
- Léglise, Pierre. 2,705,554, Cl. 197—84.
- Léglise, Pierre. 2,712,375, Cl. 197—84.
- Léglise, Pierre. 2,727,615, Cl. 197—84.
- Le Grand, Charles C.: *See*—  
 Golseth, James G., and Le Grand. 2,712,975.
- Le Grand, Charles O. 2,704,948, Cl. 76—41.
- Le Gros, John E., and G. D. Smithwick,  $\frac{1}{3}$  to D. G. Goin. 2,713,078, Cl. 136—19.
- Leguillon, Charles W., and E. B. Katzenmeyer, to The B. F. Goodrich Co. 2,705,999, Cl. 164—10.2.
- Lehane, Timothy J.: *See*—  
 Gillick, Laurence H., Lehane, and Kirkby. 2,701,128.
- Lehde, Henry C., to Control Instrument Co., Inc. 2,719,930, Cl. 310—111.
- Lehde, John W., to Scully-Jones & Co. 2,709,600, Cl. 279—52.
- Lehecka, William C. 2,728,372, Cl. 153—9.
- Lehigh Valley Coal Sales Co.: *See*—  
 Birch, Charles K. 2,703,568.
- Lehman, Laurence N.: *See*—  
 Nelson, Gunnar, and Lehman. 2,708,549.
- Lehman, Roy G., and E. D. Lee, Jr., to Lee-Rowan Co. 2,727,767, Cl. 287—58.
- Lehman, Sylvester C. 2,711,630, Cl. 60—35.6.
- Lehmann, Barbara T., and B. M. Watts, to Monsanto Chemical Co. 2,707,154, Cl. 99—163.
- Lehmann, George D. 2,702,528, Cl. 119—77.
- Lehmann, Larry L. 2,700,842, Cl. 43—35.
- Lehmer, Daniel M. 2,710,144, Cl. 235—91.
- Lehn & Fink Products Corp.: *See*—  
 Dunnican, George W., and Gempf. 2,728,510.
- Lehner, Felix, to H. List. 2,715,393, Cl. 123—41.
- Lehner, Ray A., to Joy Mfg. Co. 2,698,735, Cl. 255—51.
- Lehner, Victor E. 2,709,331, Cl. 58—19.
- Lehr, Philip N., and J. Koci, to Dictograph Products Co., Inc. 2,717,937, Cl. 200—138.
- Lehrer, Erwin: *See*—  
 Bartholomé, Ernst, Lehrer, and Lorenz. 2,719,601.  
 Kosbahn, Thomas, and Lehrer. 2,719,184.  
 Sachsse, Hans, Kosbahn, and Lehrer. 2,715,648.
- Lehrman, David. 2,711,601, Cl. 38—140.
- Leibing, William E. 2,725,861, Cl. 123—119.
- Leibowitz, Jack R., to the United States of America as represented by the Secretary of the Army. 2,707,719, Cl. 13—31.
- Leibst, Oscar B. 2,702,030, Cl. 126—121.
- Leich Electric Co.: *See*—  
 Boswau, Hans P. 2,714,628.
- Leichsenring, Max. 2,701,035, Cl. 188—152.
- Leichsenring, Max. 2,722,674, Cl. 340—72.
- Leifer, Lorenz A., to Gisholt Machine Co. 2,725,775, Cl. 82—2.
- Leigh, Leonard P., Jr. 2,711,453, Cl. 200—81.9.
- Leighton, Charles R. and N. D. 2,717,076, Cl. 209—138.
- Leighton, Charles R. and N. D. 2,717,077, Cl. 209—139.
- Leighton, Herndon W., to Allen B. Du Mont Laboratories, Inc. 2,719,956, Cl. 339—60.
- Leighton, Lee R.: *See*—  
 Zeitlin, Edward J., Thorn, and Leighton. 2,727,203.
- Leighton, Lester B.: *See*—  
 Minter, Robert D., and Leighton. 2,719,662.
- Leighton, Noel D.: *See*—  
 Leighton, Charles R. and N. D. 2,717,076.  
 Leighton, Charles R. and N. D. 2,717,077.
- Lein, Joseph: *See*—  
 Gourevitch, Alexander, and Lein. 2,712,517.
- Leine, Theodore N.: *See*—  
 Smith, Robert E., Wuerth, Horsfall, Goldberg, and Leine. 2,713,266.
- Leinen, Walter: *See*—  
 Summerville, William, and Leinen. 2,719,556.
- Leineweber, William F., Jr., to W. D. Dodenhoff Co., Inc. 2,727,279, Cl. 19—69.
- Leinhauser, Charles J. 2,721,141, Cl. 99—138.
- Leininger, Roger R., to Thompson Products, Inc. 2,718,813, Cl. 88—24.
- Leiser, Herman. 2,723,762, Cl. 211—65.
- Leistner, William E., and A. C. Hecker, to Argus Chemical Laboratory, Inc. 2,704,756, Cl. 260—242.
- Leistner, William E., and A. C. Hecker. 2,716,092, Cl. 260—23.
- Leistner, William E., A. C. Hecker, and O. H. Knoepke. 2,723,965, Cl. 260—45.75.
- Leistner, William E., and O. H. Knoepke, to Argus Chemical Laboratory, Inc. 2,725,365, Cl. 260—41.
- Leistner, William E., and O. H. Knoepke. 2,726,227, Cl. 260—45.75.
- Leistner, William E., and O. H. Knoepke. 2,726,254, Cl. 260—429.
- Leitch, Donald M., to North American Aviation, Inc. 2,721,046, Cl. 244—47.
- Leith, Raymond C.: *See*—  
 Thomson, William, Leith, and Hepburn. 2,722,405.
- Leitner, Richard G., F. A. Martin, and W. J. Green, to Packard-Bell Co. 2,708,696, Cl. 200—80.
- Leitz, Ernst, G. m. b. H.: *See*—  
 Albert, Wilhelm. 2,724,311.  
 Becker, Helmut, Bender, Bergmann, Rost, and Zobel. 2,728,222.
- Heine, Herman. 2,722,863.
- Klein, Walter. 2,713,808.
- Mandler, Walter. 2,726,574.
- Marx, Helmut. 2,709,944.
- Riepert, Hermann, Horn, and Stumpf. 2,718,811.
- Wagner, Adam, and Wiessner. 2,708,395.
- Weissenberg, Gustav, Bredow, and Meinert. 2,723,203.
- Weissenberg, Gustav, Schulze, and Schlögl. 2,713,635.
- Leje & Thurne Aktiebolag: *See*—  
 Skardal, Karl A., and Börjeson. 2,707,420.
- Lekas, John P., to J. A. Kennedy. 2,705,639, Cl. 274—4.
- Leland-Gifford Co.: *See*—  
 Hirvonen, Eric J. 2,711,549.
- Leland, Robert W., to General Motors Corp. 2,724,813, Cl. 339—194.
- Leland, Robert W., and K. E. Spires, Jr., to General Motors Corp. 2,714,807, Cl. 62—4.
- Leland Stanford Junior University, The Board of Trustees of The: *See*—  
 Field, Lester M. 2,712,614.  
 Field, Lester M. 2,724,775.  
 Ginzton, Edwin L. 2,702,366.
- Lelek, Thaddeus A.: *See*—  
 Strunk, Kenneth G., Lelek, and Semenyna. 2,707,904.
- Lembcke, Richard E.: *See*—  
 Hughes, William B., and Lembcke. 2,706,714.
- Lemberger, Anton J. 2,722,080, Cl. 43—53.5.
- Lembo, Frank. 2,706,449, Cl. 101—407.
- Lemelson, Jerome. 2,702,191, Cl. 273—103.
- Lemelson, Jerome H. 2,701,929, Cl. 40—130.
- Lemeshka, Milton B., to Radio Corp. of America. 2,704,707, Cl. 75—0.5.
- Lemieux, Raymond U., to National Research Council. 2,701,794, Cl. 260—210.
- Lemieux, Raymond U., to National Research Council. 2,717,266, Cl. 260—530.
- Lemieux, Raymond U., to National Research Council. 2,725,392, Cl. 260—406.
- Lemieux, Raymond U., to National Research Council. 2,725,393, Cl. 260—406.
- Leming, Samuel W. 2,701,897, Cl. 20—40.5.
- Lemma, Peter A. 2,726,432, Cl. 25—131.
- Lemmens, Hendricus J.: *See*—  
 Bruining, Hajo, and Lemmens. 2,713,129.  
 Diemer, Gesinus, Lemmens, and Bongers. 2,699,516.
- Lemmerman, Carl W., and C. D. Smith. 2,715,449, Cl. 181—30.
- Lemmers, Eugene, to General Electric Co. 2,714,653, Cl. 240—25.
- Lemmers, Eugene, to General Electric Co. 2,716,739, Cl. 339—52.
- Lemmerz, Paul. 2,700,999, Cl. 152—410.



- Lemoine, René: *See*—  
Lemoine, Serge and R. 2,709,024.  
Lemoine, Serge and R. 2,709,024, Cl. 222—183.  
Lemons, John H. 2,719,217, Cl. 240—61.8.  
Lemouzy, Joseph A. 2,724,023, Cl. 179—171.  
Lempco Products, Inc.: *See*—  
Strnad, James J. 2,704,549.  
Lenaarts, Willem: *See*—  
Monroy, Johan F., and Lenaarts. 2,701,420.  
Lenart, Stanley. 2,724,186, Cl. 33—165.  
Lengyel, Carl H. 2,711,552, Cl. 15—236.  
Lengvenis, Frank J., to Western Electric Co., Inc. 2,706,765.  
Cl. 219—20.  
Lengvenis, Robert J., to General Electric Co. 2,710,010, Cl. 134—57.  
Lenke, George H., ½ to J. J. Ohliss. 2,710,211, Cl. 292—92.  
Lenkeit, Willy W.: *See*—  
Piltz, Erich. 2,708,355.  
Piltz, Erich. 2,710,529.  
Lenkurt Electric Co., Inc.: *See*—  
Appert, Kurt E., and Erickson. 2,710,920.  
Epstein, Norman N. 2,727,993.  
Lennon, Robert J.: *See*—  
Goebert, Elmer C., and Lennon. 2,728,581.  
Lennox Furnace Co., The: *See*—  
Smoot, Theophilus H. 2,707,516.  
Lennox, Thomas H., to General Electric Co. 2,710,330, Cl. 219—26.  
Le Nobel, Jacobus W.: *See*—  
Van Beest, Adolf C., Le Nobel, van Dijk and van der Plas. 2,726,194.  
Lenoir, Marcel. 2,720,915, Cl. 157—1.17.  
Lentz, Irvin R.: *See*—  
Van Dolah, Delos B., and Lentz. 2,716,257.  
Lentz, Irvin R., and D. B. Van Dolah, to Swift & Co. 2,714,223, Cl. 17—45.  
Lentz, John J., to the United States of America as represented by the Secretary of War. 2,724,113, Cl. 343—100.  
Leo, Herbert T., and C. C. Taylor. 2,703,757, Cl. 99—132.  
Leo, Herbert T., and C. C. Taylor. 2,703,758, Cl. 99—132.  
Leo, Herbert T., and C. C. Taylor. 2,703,759, Cl. 99—132.  
Leon, William B. 2,722,781, Cl. 51—93.  
Leonard, Carl E. 2,705,033, Cl. 144—208.  
Leonard, David E.: *See*—  
Engle, Walter E., and Leonard. 2,709,953.  
Leonard, George H., and J. H. Long, to Faximile, Inc. 2,718,450, Cl. 346—74.  
Leonard, Harry J., Jr. 2,715,979, Cl. 222—101.  
Leonard, John J. 2,702,640, Cl. 211—65.  
Leonard, John L., to the United States of America as represented by the Secretary of the Navy. 2,720,612, Cl. 315—166.  
Leonard, Louis H., Jr., to Carrier Corp. 2,722,805, Cl. 62—5.  
Leonard, Louis H., Jr., to Carrier Corp. 2,722,806, Cl. 62—5.  
Leonard, Merrill G.: *See*—  
Hayden, Vernon H., and Leonard. 2,717,275.  
Leonard, Merrill G., to the United States of America as represented by the Secretary of the Air Force. 2,713,316, Cl. 114—25.  
Leonard, Murray J., Jr. 2,705,662, Cl. 299—104.  
Leonard, Reid H.: *See*—  
Bibb, Carlisle H., and Leonard. 2,714,553.  
Leonard, Talbert A., Jr. 2,725,241, Cl. 280—179.  
Leonard, Vincent W.: *See*—  
Reid, Ralph A., and Leonard. 2,725,433.  
Leonard, Wallace O., Inc.: *See*—  
Krueger, Rudolph E. 2,728,620.  
Leone, Otto J. 2,702,477, Cl. 73—403.  
Leone, Otto J. 2,720,783, Cl. 73—206.  
Leonhardt, Fritz. 2,705,360, Cl. 25—154.  
Leoni, Andrew L. 2,723,865, Cl. 280—432.  
Leontis, Thomas E., and J. F. Pashak, to The Dow Chemical Co. 2,701,636, Cl. 207—10.  
Leopard, James G., to Universal Polychem Co. 2,710,799, Cl. 75—121.  
Leopold, Leon. 2,712,875, Cl. 214—16.1.  
Leotta, Samuel S., and P. N. Patt, to Scott & Williams, Inc. 2,708,837, Cl. 66—8.  
Le Page, Alfred P. 2,717,408, Cl. 15—255.  
Lepetit S. p. A.: *See*—  
Carrara, Gino, and D'Amato. 2,710,866.  
Lepkowski, Joseph R. 2,718,956, Cl. 197—189.  
Lepkowski, Thomas W. 2,726,416, Cl. 15—134.  
Lepore, Joseph, to David D. Doniger & Co., Inc. 2,712,888, Cl. 223—71.  
Lerbs, Alfred, to Compagnie Generale de Telegraphie Sans Fil. 2,702,370, Cl. 332—13.  
Lerbs, Alfred, to Compagnie Generale de Telegraphie Sans Fil. 2,704,350, Cl. 332—13.  
Lerch, Charles W. 2,713,645, Cl. 307—119.  
Lerch, Edward J., W. M. Thompson, and J. L. Hornberger, to Laurel Hosiery Co. 2,698,530, Cl. 66—14.  
Lerch, George. 2,710,697, Cl. 214—41.  
Lercker, Cesare: *See*—  
Cuppini, Carlo, and Lercker. 2,718,818.  
Lerer, Moïse: *See*—  
Hugel, Georges L., Lerer, and Courtel. 2,704,744.  
Lerman, Monroe A. 2,707,886, Cl. 74—481.  
Lerman, Monroe A. 2,724,285, Cl. 74—481.  
Lerner, Herman B., to Lermer Plastics, Inc. 2,719,626, Cl. 206—15.1.  
Lerner Plastics, Inc.: *See*—  
Lerner, Herman B. 2,719,626.  
Lerner, George. 2,716,814, Cl. 31—22.  
Lerner, Louis L., to P. Kalech, J. I. Le Vant, and N. Kalech, a copartnership, d. b. a. Phil Kalech Co. 2,702,780, Cl. 167—84.  
Leroy, René, to Dixi, S. A. 2,699,118, Cl. 102—83.  
Le Roux, Robert K., to Oil Center Tool Co. 2,716,457, Cl. 166—130.  
Lerousseau, Robert, and G. Bourdeau, to Regulateurs Francel. 2,717,611, Cl. 137—85.  
Le Roux, William R. 2,723,174, Cl. 311—114.  
Lerp, Emil: *See*—  
Mayer, Hans, Jaschinsky, Neuerburg, and Lerp. 2,699,928.  
Lesesne, Purl O. 2,719,400, Cl. 56—256.  
Les Glaceries de la Sambre, Societe Anonyme: *See*—  
Laverdisse, Edmond. 2,699,021.  
Laverdisse, Edmond. 2,705,853.  
Laverdisse, Edmond. 2,705,854.  
Les Laboratoires Francais de Chimiotherapie: *See*—  
Allais, André, Mathieu, and Velluz. 2,710,868.  
Penau, Henry, and Hagemann. 2,710,863.  
Penau, Henry H., and Hagemann. 2,715,092.  
Penau, Henry, Hagemann, and Claude. 2,715,090.  
Velluz, Leon, and Muller. 2,700,674.  
Les Usines de Melle (Societe Anonyme): *See*—  
Alhéritière, Louis, and Gobron. 2,713,598.  
Leshner and Associates, Inc.: *See*—  
Leshner, Carl E. 2,723,226.  
Leshner, Carl E., to Leshner and Associates, Inc. 2,723,226, Cl. 202—14.  
Lesigne, Henri L., and Y. Rion, to Compagnie Generale d'Electricite. 2,700,702, Cl. 179—18.  
Lesjak, Babette V.: *See*—  
Lesjak, Michael. 2,716,931.  
Lesjak, Michael, deceased; B. V. Lesjak, administratrix. 2,716,931, Cl. 95—90.5.  
Leskiewicz, Stanley J. 2,726,411, Cl. 12—40.  
Lesley, Robert F., and R. C. Tompkins, to Goodyear Aircraft Corp. 2,726,054, Cl. 244—121.  
Leslie, Donald J. 2,727,583, Cl. 181—27.  
Leslie, Freeland H. 2,722,981, Cl. 160—223.  
Leslie, James H., Jr. 2,709,862, Cl. 39—23.  
Leslie, John H., II, and G. A. Crosby, to Signode Steel Strapping Co. 2,707,429, Cl. 100—12.  
Leslie, John H., II, and G. A. Crosby, to Signode Steel Strapping Co. 2,707,430, Cl. 100—12.  
Leslie, Walter H.: *See*—  
Broster, Alfred E., and Leslie. 2,725,904.  
Lesniak, Roman M. 2,714,546, Cl. 312—296.  
Lesnick, Max L. 2,721,005, Cl. 222—147.  
Lessard, Herve A. 2,709,012, Cl. 214—152.  
Lessard-Lees, Inc.: *See*—  
Ostrom, Ernest A. 2,716,331.  
Lesser, Bertrand R., to Duralite Co., Inc. 2,719,573, Cl. 155—105.  
Lessing, Heinz: *See*—  
Hoff, Hubert, vor dem Esche, and Lessing. 2,721,134.  
Lessman, Gerhard, to De Vry Corp. 2,705,437, Cl. 88—28.  
Lesté, Maria L. 2,728,347, Cl. 132—55.  
Lester, Herbert C., and A. H. McKinney. 2,714,963, Cl. 210—31.  
Lester, John M., and R. L. Hinchey, to Sperry Rand Corp. 2,716,234, Cl. 343—11.  
Lester, Kenneth S. 2,716,728, Cl. 322—40.  
Lesti, Arnold. 2,705,258, Cl. 178—5.4.  
Lesti, Arnold. 2,706,216, Cl. 178—5.4.  
Leston, Theodore I., to Eutectic Welding Alloys Corp. 2,705,669, Cl. 18—47.  
Les Veaux, John F., to Food Machinery and Chemical Corp. 2,715,562, Cl. 23—53.  
Les Veaux, John F., and C. M. Tidwell, to Food Machinery and Chemical Corp. 2,715,599, Cl. 167—15.  
Le Tarte, George M. 2,722,731, Cl. 29—70.  
Le Tourneau, R. G., Inc.: *See*—  
Le Tourneau, Robert G. 2,702,952.  
Le Tourneau, Robert G. 2,708,039.  
Le Tourneau, Robert G. 2,717,436.  
Le Tourneau, Robert G. 2,720,418.  
Le Tourneau, Robert G. 2,721,761.  
Le Tourneau, Robert G. 2,726,726.  
Le Tourneau, Robert G., and Roe. 2,698,919.  
Le Tourneau, Robert G. 2,700,574, Cl. 298—35.  
Le Tourneau, Robert G., to R. G. Le Tourneau, Inc. 2,702,952, Cl. 37—144.  
Le Tourneau, Robert G. 2,703,104, Cl. 137—622.  
Le Tourneau, Robert G., to R. G. Le Tourneau, Inc. 2,708,039, Cl. 212—8.  
Le Tourneau, Robert G., to R. G. Le Tourneau, Inc. 2,717,436, Cl. 25—131.  
Le Tourneau, Robert G., to R. G. Le Tourneau, Inc. 2,720,418, Cl. 298—19.  
Le Tourneau, Robert G. 2,720,896, Cl. 143—43.  
Le Tourneau, Robert G., to R. G. Le Tourneau, Inc. 2,721,761, Cl. 298—35.  
Le Tourneau, Robert G. 2,726,553, Cl. 74—410.  
Le Tourneau, Robert G., to R. G. Le Tourneau, Inc. 2,726,726, Cl. 180—60.  
Le Tourneau, Robert G., and C. C. Roe, to R. G. Le Tourneau, Inc. 2,698,919, Cl. 322—6.  
Letsche, Albert: *See*—  
Junghans, Helmut, von Zeppelin, Storz, and Letsche. 2,721,443.  
Letterman, Charles B., to Underwood Corp. 2,713,932, Cl. 197—138.



- Letterman, Charles B., to Underwood Corp. 2,717,070, Cl. 197—114.
- Letts, Harold D. 2,715,526, Cl. 262—26.
- Letvin, Samuel: *See*—  
Bonvillian, Claude A., Brierly, and Letvin. 2,701,011.  
Bonvillian, Claude A., Brierly, and Letvin. 2,707,493.  
Bonvillian, Claude A., Brierly, and Letvin. 2,727,566.
- Leubner, Gerhard W., and T. F. Murray, to Eastman Kodak Co. 2,728,665, Cl. 95—7.
- Leupke, Donald M. 2,702,131, Cl. 214—6.
- Leupold, Marcus, to Leupold & Stevens Instruments, Inc. 2,717,447, Cl. 33—50.
- Leupold & Stevens Instruments, Inc.: *See*—  
Leupold, Marcus. 2,717,447.
- Leuser, Joseph: *See*—  
Schweiger, Karl, Leuser, and Meyer. 2,699,148.
- Leusler, Winifred P. 2,725,900, Cl. 139—30.
- Leuthesser, Fred W., Jr., and J. A. Fox, to The Schaible Co. 2,713,314, Cl. 113—44.
- Lev, Harry. 2,725,977, Cl. 206—8.
- Le Van, Ambrose E., to American Machine and Metals, Inc. 2,705,457, Cl. 103—6.
- Le Vant, Jack I.: *See*—  
Lerner, Louis L. 2,702,780.
- Leven, Samuel: *See*—  
Barrett, Arthur L., and Leven. 2,719,033.
- Levengood, William C., to Libbey-Owens-Ford Glass Co. 2,706,876, Cl. 51—283.
- Levenstein, Harold, and M. Bracut, to The W. L. Maxson Corp. 2,709,234, Cl. 318—67.
- Lever Bias Machine Corp.: *See*—  
Kagan, Ralph, and H. and F. Gerstein. 2,725,103.
- Lever Brothers Co.: *See*—  
Bassett, Gordon H., and Packard. 2,710,057.  
Bodman, John W. 2,714,303.  
Gershon, Sol D., and Neiditch. 2,723,217.  
Packard, Freeman G. 2,715,110.
- Leverett, Miles C., F. R. Ward, and J. T. Weills, to the United States of America as represented by the United States Atomic Energy Commission. 2,718,459, Cl. 23—259.
- Leverette, Walter E.: *See*—  
Smith, Cornelius C., and Leverette. 2,714,258.
- Levey, Alvin M., deceased, by S. M. Levey, executrix,  $\frac{1}{4}$  to S. M. Levey and E. W. Brockman, Jr., and  $\frac{3}{4}$  to V. T. Levey. 2,698,656, Cl. 160—89.
- Levey, Constance D. 2,721,454, Cl. 62—116.
- Levey, Fred'k H., Co., Inc.: *See*—  
Stobb, Anton R. 2,700,335.
- Levey, Susie M.: *See*—  
Levey, Alvin M. 2,698,656.
- Levey, V. T.: *See*—  
Levey, Alvin M. 2,698,656.
- Levi, Cass B., to The McNally-Pittsburg Mfg. Corp. 2,717,078, Cl. 209—172.5.
- Levi, Cass B., to The McNally Pittsburg Mfg. Corp. 2,717,079, Cl. 209—172.5.
- Levi, David L.: *See*—  
Gross, Philipp, and Levi. 2,718,464.
- Levi, Leone. 2,711,306, Cl. 259—122.
- Levi, Roberto, to North American Philips Co., Inc. 2,721,372, Cl. 29—25.18.
- Levi, Roberto, and R. C. Hughes, to North American Philips Co., Inc. 2,700,000, Cl. 117—33.26.
- Levin, Harry M. 2,715,068, Cl. 99—144.
- Levin, Louis A. 2,726,030, Cl. 229—8.5.
- Levin, Louis, & Son, Inc.: *See*—  
Levin, Samuel. 2,718,255.
- Levin, Robert H.: *See*—  
Fonken, Gunther S., Levin, and McIntosh. 2,714,599.  
Fonken, Gunther S., Levin, and McIntosh. 2,714,600.  
Fonken, Gunther S., Levin, and McIntosh. 2,714,601.  
Lyttle, Douglas A., and Levin. 2,705,720.  
Magerlein, Barney J., and Levin. 2,708,672.  
Magerlein, Barney J., and Levin. 2,728,782.  
Meister, Peter D., and Levin. 2,720,534.
- Levin, Robert H., and B. J. Magerlein, to The Upjohn Co. 2,708,673, Cl. 260—397.45.
- Levin, Robert H., B. J. Magerlein, and J. L. Thompson, to The Upjohn Co. 2,719,856, Cl. 260—397.1.
- Levin, Samuel. 2,711,565, Cl. 20—71.
- Levin, Samuel, to Louis Levin & Son, Inc. 2,718,255, Cl. 154—42.
- Levine, Benjamin: *See*—  
Day, Walter T. J., Sablesak, and Levine. 2,728,865.
- Levine, Benjamin B. 2,726,668, Cl. 135—16.
- Levine, Hyman S. 2,700,184, Cl. 18—55.1.
- Levine, Irving E., and W. E. Elwell, to California Research Corp. 2,723,261, Cl. 260—88.1.
- Levine, Jesse. 2,724,991, Cl. 88—29.
- Levine, Joseph I. 2,704,195, Cl. 248—343.
- Levine, Julius. 2,703,914, Cl. 24—71.
- Levine, Morris, and R. M. Isham, to Southern Production Co., Inc. 2,703,154, Cl. 183—115.
- Levine, Samuel J., to General Electric Co. 2,711,681, Cl. 98—38.
- Levine, Sid B., to Santa Fe Tank & Tower Co., Inc. 2,724,871, Cl. 20—1.4.
- Levins, William J., Jr., and G. M. Muscott, to Beattle Jet Products. 2,701,597, Cl. 150—28.
- Levinson, Benjamin L., to Royal Electric Co. 2,699,621, Cl. 40—137.
- Levinson, Sidney O., and F. Oppenheimer, to Michael Reese Research Foundation. 2,725,482, Cl. 250—49.
- Levinthal, Elliott C., to Varian Associates. 2,721,970, Cl. 324—5.
- Levitin, Joachim. 2,722,738, Cl. 30—24.
- Leviton, Abraham: *See*—  
Hargrove, Robert E., and Leviton. 2,715,602.
- Levitt, Arnold. 2,698,948, Cl. 4—177.
- Levitt, Arnold. 2,719,306, Cl. 4—177.
- Levitt, Leo L., to Borg-Warner Corp. 2,726,751, Cl. 198—31.
- Levkoff, David. 2,722,362, Cl. 229—16.
- Le Voir, Albert. 2,712,349, Cl. 155—139.
- Levy, Aaron. 2,712,313, Cl. 128—157.
- Levy, Albert H. 2,720,056, Cl. 47—41.
- Levy Auto Parts Co. Ltd.: *See*—  
Kempfer, Frederick. 2,723,337.
- Levy, Dudley D. 2,715,771, Cl. 32—3.
- Levy, Joseph, to De Luxe Game Corp. 2,699,201, Cl. 155—58.
- Levy, Joseph P. 2,725,350, Cl. 202—52.
- Levy, Joseph, S. Chodroff, and R. Kapp, to Nopco Chemical Co. 2,716,122, Cl. 260—294.7.
- Levy, Maurice M.: *See*—  
Garner, Brian L., and Levy. 2,716,732.
- Levy, Maurice M., to The General Electric Co. Ltd. 2,708,220, Cl. 179—15.
- Levy, Maurice M., to The General Electric Co. Ltd. 2,721,308, Cl. 332—11.
- Levy, Maurice M., to The General Electric Co. Ltd. 2,727,093, Cl. 179—15.
- Levy, Morris. 2,702,330, Cl. 200—142.
- Levy, Morris. 2,726,302, Cl. 200—142.
- Levy, Sidney. 2,714,175, Cl. 313—92.
- Lew, Baak W., to Atlas Powder Co. 2,726,177, Cl. 117—161.
- Lewgowsd, Lawrence P. 2,714,033, Cl. 292—305.
- Lewin, Gerhard: *See*—  
Marshall, Donald E., Lewin, and Goldman. 2,727,168.
- Lewin, Gerhard, to Westinghouse Electric Corp. 2,721,108, Cl. 316—21.
- Lewin-Mathes Co.: *See*—  
Kenyon, Robert C. 2,709,285.  
Schweich, Edward F. 2,724,538.  
Schweich, Edward F., Silverstein, and Goldenberg. 2,716,482.
- Lewinstein, Marcus, to Sperry Rand Corp. 2,717,999, Cl. 343—7.3.
- Lewinter, Sidney W., to Philco Corp. 2,711,479, Cl. 250—217.
- Lewinter, Sidney W., to International Telephone and Telegraph Corp. 2,723,345, Cl. 250—20.
- Lewis, Albert M., and A. M. Elias. 2,719,211, Cl. 219—38.
- Lewis, Alfred H., to Swift Electric Welder Co. 2,713,626, Cl. 219—4.
- Lewis, Allen H., and D. F. Searle, to California Research Corp. 2,709,684, Cl. 252—161.
- Lewis, Allen H., and D. F. Searle, to California Research Corp. 2,709,685, Cl. 252—161.
- Lewis, Allen H., and R. D. Stayner, to California Research Corp. 2,709,686, Cl. 252—161.
- Lewis, Allen H., and R. D. Stayner, to California Research Corp. 2,709,687, Cl. 252—161.
- Lewis, Amos L., and F. C. Breckenridge. 2,711,593, Cl. 35—12.
- Lewis, Arthur J., 3rd, to The Baird Machine Co. 2,726,083, Cl. 271—2.3.
- Lewis, Charles R.: *See*—  
Messler, Allan H., and Lewis. 2,712,825.
- Lewis, Clayton R., J. B. Bidwell, and A. F. Underwood; said Bidwell and said Underwood assors. to General Motors Corp., and said Lewis assor. to Chrysler Corp. 2,715,830, Cl. 73—1.
- Lewis, Dean M.: *See*—  
Beldt, Lauren F., and Lewis. 2,716,896.
- Lewis, Ellis, Jr.: *See*—  
Wielicki, Edward A., and Lewis. 2,701,263.
- Lewis, Elmer. 2,712,197, Cl. 43—43.11.
- Lewis Engineering Co., The: *See*—  
Knudsen, Knud J. 2,718,148.
- Lewis, George B.: *See*—  
Frost, Louis E., and Lewis. 2,706,832.
- Lewis, George P. 2,722,776, Cl. 46—196.
- Lewis, Harold A.: *See*—  
Davis, Clyde O., Lewis, and Noddin. 2,726,602.
- Lewis, Harold G., 50% to E. M. Hall. 2,724,517, Cl. 214—83.26.
- Lewis, Henry P., to Bailey Meter Co. 2,705,017, Cl. 137—86.
- Lewis, Hurst, Enterprises: *See*—  
Lewis, William H. 2,700,256.
- Lewis, J. Michael: *See*—  
Lewis, Joseph M. 2,707,812.
- Lewis, James L.: *See*—  
Anderson, Dale L., Shaffer, Knowles, Harwell, Nash, and Lewis. 2,724,342.
- Lewis, John O., to Flowflax Corp. 2,707,394, Cl. 73—228.
- Lewis, Joseph H.: *See*—  
Oxhandler, Samuel, and Lewis. 2,700,887.
- Lewis, Joseph M., to J. M. Lewis and G. A. Burke. 2,707,812, Cl. 20—69.
- Lewis, Kermit W. 2,720,771, Cl. 68—184.
- Lewis, Olive E. C. 2,699,168, Cl. 128—218.
- Lewis, P. W.: *See*—  
Sorensen, Clarence T. 2,709,575.
- Lewis, Raymond F. 2,708,435, Cl. 126—113.
- Lewis, Richard B. 2,724,094, Cl. 339—75.
- Lewis, Robert B., to Curtiss-Wright Corp. 2,705,867, Cl. 60—39.34.
- Lewis, Robert E., to the United States of America as represented by the Secretary of the Navy. 2,709,873, Cl. 51—58.



- Lewis, Russell K., to Finnell System, Inc. 2,726,807, Cl. 230—130.
- Lewis, Sidney, and J. J. Bodnar, to Melrose Hospital Uniform Co., Inc. 2,701,323, Cl. 317—2.
- Lewis, Warren E. 2,718,944, Cl. 192—3.2.
- Lewis, Warren K., to Esso Research and Engineering Co. 2,711,368, Cl. 75—26.
- Lewis, Warren K., and E. R. Gilliland, to Esso Research and Engineering Co. 2,712,728, Cl. 60—39.17.
- Lewis, Warren K., E. R. Gilliland, and W. N. McCurdy, Jr., to Esso Research and Engineering Co. 2,715,948, Cl. 183—120.
- Lewis, Warren K., and E. R. Gilliland, to Esso Research and Engineering Co. 2,718,754, Cl. 60—39.02.
- Lewis, Warren K., and A. B. Metzner, to Esso Research and Engineering Co. 2,725,360, Cl. 252—445.
- Lewis, Warren K., Jr., to Esso Research and Engineering Co. 2,723,300, Cl. 260—679.
- Lewis, Wayne L.: *See—*  
Hobson, Gordon G. 2,702,551.
- Lewis, Willard D., to the United States of America as represented by the Secretary of the Navy. 2,703,842, Cl. 250—33.65.
- Lewis, Willard D., to Bell Telephone Laboratories, Inc. 2,705,754, Cl. 250—33.65.
- Lewis, William F. 2,713,868, Cl. 134—172.
- Lewis, William H., to Hurst Lewis Enterprises. 2,700,256, Cl. 51—170.
- Lewus, Alexander J. 2,727,197, Cl. 318—220.
- Lewus, Alexander J. 2,727,198, Cl. 318—220.
- Lewyt Corp.: *See—*  
Meyerhoefer, Carl E. 2,716,465.  
Meyerhoefer, Carl E. 2,716,773.  
Meyerhoefer, Carl E. 2,720,277.
- Ley, Gordon S.: *See—*  
Jones, Charles H., and Ley. 2,717,329.
- Leyde, Warren L., and D. R. Houston, to Westinghouse Electric Corp. 2,727,144, Cl. 250—27.
- Leyden, Theodore J. 2,712,711, Cl. 46—218.
- Leyendecker, Ewald. 2,724,919, Cl. 41—24.
- Leyhausen, Wilhelm. 2,721,241, Cl. 200—87.
- Leystra, Peter. 2,726,094, Cl. 280—41.
- Leyton, Eric M., to Electric & Musical Industries Ltd. 2,714,135, Cl. 179—171.
- Leytonstone Jig & Tool Co. Ltd.: *See—*  
Goldman, Alfred. 2,705,433.
- Li, Yao T., and Shih-Ying Lee. 2,721,919, Cl. 201—63.
- Li, Yao Tzu. 2,721,918, Cl. 201—63.
- Libbey-Owens-Ford Glass Co.: *See—*  
Barkley, Dwight W. 2,722,864.  
Beckham, Robert R. 2,711,560.  
Brown, Wilbur F., Mook, Jarosi, and Davis. 2,714,558.  
Gaiser, Romey A. 2,703,949.  
Golding, Kenyon E. 2,708,857.  
Jendrisak, Joseph E. 2,702,445.  
Kirkman, Peter. 2,707,856.  
Levengood, William C. 2,706,876.  
Morgan, Willard L. 2,698,593.  
Morgan, Willard L. 2,698,594.  
Morgan, Willard L. 2,698,595.  
Morgan, Willard L. 2,698,596.  
Ogle, James C., Jr. 2,714,835.  
Sharp, Donald E. 2,698,975.  
Young, Thomas K. 2,703,767.
- Libby, Clarence E., and F. W. O'Neil, to The New York State College of Forestry. 2,713,540, Cl. 92—6.
- Libby, James W., Jr., and S. E. Krahler, to E. I. du Pont de Nemours & Co. 2,700,046, Cl. 260—340.5.
- Libby, Reuel W., to King Cuff Pin, Inc. 2,713,707, Cl. 24—110.
- Libby, William H., and H. B. Freyermuth, to General Aniline & Film Corp. 2,723,197, Cl. 95—7.
- Liberatore, Laurence C., to Taylor Instrument Companies. 2,725,748, Cl. 73—371.
- Liberty, George W., to National Development Co. 2,720,668, Cl. 12—87.
- Libroscope, Inc.: *See—*  
Baumgard, Charles J. 2,701,176.  
Opocensky, Willard J. 2,727,406.  
Wolman, Lane. 2,721,269.
- Licata, Francis J.: *See—*  
Cunder, Joseph, and Licata. 2,716,073.
- Licata, Ignatius P. 2,724,569, Cl. 248—42.
- "Licencia" Találmányokat Értékesítő Vállalat: *See—*  
Heller, Laszlo. 2,718,755.  
Kolos, Lajos. 2,710,623.
- Licentia Patent-Verwaltungs G. m. b. H.: *See—*  
Koch, Werner, and Harten. 2,703,855.  
Thiediek, Reiner. 2,709,232.
- Licharz, Carl E., to Electro Metal Hardening Co. S. A. Tanger. 2,706,175, Cl. 204—272.
- Licht, Emanuel H.,  $\frac{1}{2}$  to L. F. Schleifer and  $\frac{1}{2}$  to S. A. Licht. 2,711,546, Cl. 5—334.
- Licht, Saul A.: *See—*  
Licht, Emanuel H. 2,711,546.
- Lichtblau, Wilhelm. 2,708,101, Cl. 255—45.
- Lichtenstein, Immanuel, to Structural Paper Co. 2,710,264, Cl. 117—92.
- Lichtenstein, Immanuel, to Structural Paper Co. 2,710,265, Cl. 117—92.
- Lichter, Adolph H. and H., and G. Garascia, to Comfort Cushion Co. 2,719,985, Cl. 5—47.
- Lichter, Harry: *See—*  
Lichter, Adolph H. and H., and Garascia. 2,719,985.
- Lickteig, Albert F., and H. R. Dickinson, to Grand Rapids Hardware Co. 2,700,800, Cl. 20—42.
- Lidderdale, Aubrey D., to The Telegraph Construction & Maintenance Co. Ltd. 2,718,543, Cl. 174—77.
- Lidov, Rex E., to Shell Development Co. 2,717,851, Cl. 167—30.
- Lidov, Rex E., and H. Bluestone, to Shell Development Co. 2,714,617, Cl. 260—648.
- Lidseen, Gustave, Inc.: *See—*  
Gillstrom, Harold A. 2,711,109.
- Lie, Finn. 2,713,257, Cl. 155—77.
- Lieb, Albert, to C. Lorenz Aktiengesellschaft. 2,712,612, Cl. 313—107.5.
- Lieb, Ernst A. 2,699,882, Cl. 220—90.
- Liebethal, Benjamin C.: *See—*  
Logan, Richard W., and Liebethal. 2,710,909.
- Lieber, Paul. 2,715,951, Cl. 188—1.
- Lieberherr, Hans U., to Nordberg Mfg. Co. 2,703,560, Cl. 123—119.
- Lieberknecht, Karl, Inc.: *See—*  
Friedmann, Albert, and Stuflet. 2,705,409.
- Lieberman, Albert: *See—*  
Emery, Jack T. 2,726,095.
- Lieberman, Morton J. 2,710,241, Cl. 312—257.
- Liebert, Wilhelmus A. J. 2,717,046, Cl. 181—31.
- Liebherr, Hans. 2,702,129, Cl. 212—58.
- Liebman, Arno J.: *See—*  
Dorsey, Joseph W., Liebman, and Osbourne. 2,699,586.
- Liebman, Joseph N. 2,703,475, Cl. 58—85.
- Liebowitz, Benjamin, to Trubenizing Process Corp. 2,705,582, Cl. 223—2.
- Liebowitz, Benjamin. 2,723,061, Cl. 223—2.
- Liebrandt, Karl: *See—*  
Zwingenberger, Arno. 2,699,052.
- Lien, Arthur P.: *See—*  
McCaulay, David A., and Lien. 2,700,689.  
McCaulay, David A., and Lien. 2,722,560.  
McCaulay, David A., and Lien. 2,723,218.  
McCaulay, David A., and Lien. 2,725,413.  
McCaulay, David A., and Lien. 2,727,011.  
McCaulay, David A., and Lien. 2,728,803.
- Lien, Arthur P., and D. A. McCaulay, to Standard Oil Co. 2,713,552, Cl. 196—13.
- Lien, Arthur P., and D. A. McCaulay, to Standard Oil Co. 2,722,502, Cl. 196—39.
- Lien, Arthur P., and D. A. McCaulay, to Standard Oil Co. 2,726,275, Cl. 260—674.
- Lieneweg, Fritz, W. Honrath, and K. Kaske, to Siemens & Halske Aktiengesellschaft. 2,702,494, Cl. 88—22.5.
- Liese, Harry G.: *See—*  
Howe, William H., and Reed. 2,698,462.
- Lifetime Products Corp.: *See—*  
Deichert, Hans C. 2,726,051.
- Lifson, William E.: *See—*  
Duncan, Gordon W., Lifson, and Haworth. 2,706,677.
- Lifton, Lewis. 2,703,160, Cl. 190—57.
- Ligett, Waldo B.: *See—*  
Closson, Rex D., Kolka, and Ligett. 2,728,802.  
Wolf, Calvin N., Closson, and Ligett. 2,726,981.
- Light, Clinton G. 2,712,466, Cl. 294—50.5.
- Light, James W., to General Motors Corp. 2,701,552, Cl. 121—40.
- Light, James W., and H. M. Geyer, to General Motors Corp. 2,715,206, Cl. 322—36.
- Light, Sydney H. 2,720,912, Cl. 155—112.
- Lightbourn, Salvador. 2,712,855, Cl. 170—135.2.
- Lighter, Stephen, to Sutherland Paper Co. 2,712,889, Cl. 223—83.
- Lightfoot, Byron S.,  $\frac{1}{2}$  to E. Craps. 2,728,843, Cl. 219—20.
- Light House, Inc., The: *See—*  
Hajecate, Thomas H. 2,716,758.
- Lightoller, Inc.: *See—*  
Florence, Noel S. 2,701,299.
- Lighty, Alfred A.: *See—*  
Austin, Bascum O., and Lighty. 2,707,264.
- Lignes Telegraphiques et Telephoniques: *See—*  
Prache, Marie P. 2,727,945.  
Saussard, André J. A. 2,721,629.
- Lignosol Chemicals Ltd.: *See—*  
Russell, John K., Craig, Byrd, and Maeder. 2,727,028.
- Ligon, Robert H.: *See—*  
Chestnutt, John E. 2,701,022.
- Liguori, Alfred T., to Delva Plastics, Inc. 2,715,888, Cl. 120—42.03.
- Liguori, Alfred T., and F. P. Pracilio. 2,700,960, Cl. 120—18.
- Liguori, Anthony: *See—*  
Canfora, Arthur E., Liguori, and Mandato. 2,705,261.
- Likely, Marjorie: *See—*  
Geise, Alvin E. 2,713,972.
- Lillienfeld, Julius E. 2,700,317, Cl. 87—8.
- Lillenthal, Constantino. 2,711,348, Cl. 299—88.
- Lilja, Oscar G., to Drumstick, Inc. 2,719,508, Cl. 118—31.
- Liljegen, Lyle K., to the United States of America as represented by the Secretary of War. 2,713,825, Cl. 102—70.
- Liljenberg, Harry A., to Modern Tool & Die Co. 2,706,418, Cl. 74—594.4.
- Liljendahl, Sven A. J. 2,699,914, Cl. 248—354.
- Liljengren, Curtis P., to T & C Aircraft Corp. 2,702,071, Cl. 155—5.
- Liljengren, Curtis P. 2,722,267, Cl. 155—179.
- Lilla Edets Pappersbruks A B: *See—*  
Grettve, Karl E. L. 2,711,863.
- Lilleberg, Martin K.: *See—*  
Graybeal, Jake, and Lilleberg. 2,704,800.



- Lillengreen, M. R.: *See*—  
Seavey, William H., Jackson, and Mullins. 2,720,423.
- Lilliendahl, William C., and E. Gregory, to Westinghouse Electric Corp. 2,707,679, Cl. 75—84.
- Lillis, Stephen M., and J. C. Toman, to Victor Mfg. & Gasket Co. 2,702,162, Cl. 241—14.
- Lilliston Implement Co.: *See*—  
Boesch, John C., Jr. 2,698,528.
- Lillquist, Torsten O., to General Motors Corp. 2,727,195, Cl. 318—93.
- Lilly, Cecil H., and D. J. B. Marke, to Imperial Chemical Industries Ltd. 2,720,012, Cl. 21—111.
- Lilly, Eli, and Co.: *See*—  
Ainsworth, Cameron. 2,702,803.  
Ainsworth, Cameron, and Jones. 2,719,849.  
Bray, Malcolm D. 2,728,705.  
Gerzon, Koert. 2,719,866.  
Gerzon, Koert, and Zuck. 2,715,622.  
Jones, Reuben G. 2,704,760.  
Jones, Reuben G. 2,724,714.  
Jones, Reuben G., and Ainsworth. 2,710,296.  
Pohland, Albert. 2,728,779.  
Shepard, Edwin R. 2,728,769.  
Whitehead, Calvert W. 2,698,858.  
Zuck, Donald A., and Rix. 2,718,486.
- Lilly, Thornton W. 2,704,389, Cl. 24—150.
- Lily-Tulip Cup Corp.: *See*—  
Amberg, Walter E. 2,707,588.  
Blann, Henry G. 2,717,730.  
Reifsnnyder, James D., and Brown. 2,721,686.
- Lilygren, Richard C.: *See*—  
Mairs, Thomas G., and Lilygren. 2,727,675.
- Lima, Alfred, Jr.: *See*—  
Nofziger, Jay C., and Lima. 2,718,069.
- Limacher, Walter P. 2,718,082, Cl. 43—1.
- Limberg, Alfons A.: *See*—  
Jacques, Edward J., and Limberg. 2,718,428.
- Limberg, Alfons A., and T. Robertson, to General Motors Corp. 2,714,035, Cl. 296—44.
- Limborg, Franz: *See*—  
Clauson-Kaas, Niels K. F. W., and Limborg. 2,714,576.
- Linard, René, to La Generale Horlogere (Societe a responsabilite limitee). 2,717,488, Cl. 58—121.
- Lince, Mario A. 2,700,498, Cl. 226—99.
- Lincoln, Arnold J., to Baker & Co., Inc. 2,701,292, Cl. 219—20.
- Lincoln, Clovis W., E. A. Schroeder, and R. A. Malone, to General Motors Corp. 2,728,825, Cl. 200—61.34.
- Lincoln Electric Co., The: *See*—  
Landis, George G., and Smith. 2,721,249.  
Stringham, Leonidas, Keever, and Jerabek. 2,719,801.
- Lincoln Engineering Co.: *See*—  
Klein, Victor G., and Mueller. 2,704,678.  
Klein, Victor G., and Mueller. 2,728,578.  
Laspe, Albert T. 2,712,364.  
Mueller, Carl H., Rotter, and Schneller. 2,715,454.  
Reisert, August D., and Wittmond. 2,717,660.
- Lincoln, Frank H., Jr.: *See*—  
Hogg, John A., Beal, and Lincoln. 2,707,184.  
Hogg, John A., Beal, and Lincoln. 2,707,711.  
Hogg, John A., Beal, and Lincoln. 2,715,621.
- Lincoln, Howard W.: *See*—  
Harrel, Chastain G., and Lincoln. 2,715,580.
- Lincoln, James, I. M. Cohn, and W. H. Groombridge, to British Celanese Ltd. 2,723,266, Cl. 260—239.3.
- Lincoln, Joseph, Mfg. Co., Inc.: *See*—  
Weikert, Roy J. 2,701,893.  
Weikert, Roy J. 2,704,846.
- Lindars, Herman. 2,708,365, Cl. 73—194.
- Lindbeck, Laurel B. 2,719,369, Cl. 37—169.
- Lindberg, Arthur F., to Teletypesetter Corp. 2,701,051, Cl. 199—18.
- Lindberg Engineering Co.: *See*—  
Duda, Louis, Jr. 2,708,704.
- Lindberg, John H., to A. B. Svenska Flaktfabriken. 2,724,086, Cl. 323—7.
- Lindberg, Lennart, J. Bjorkman, and D. Romell, to Telefonaktiebolaget L. M. Ericsson. 2,706,248, Cl. 250—27.
- Lindberg, Paul G., to Lindberg Trust. 2,728,301, Cl. 103—126.
- Lindberg Trust: *See*—  
Lindberg, Paul G. 2,728,301.
- Lindberg, William S.: *See*—  
Hoven, Alfred C., Nordmark, and Lindberg. 2,719,771.
- Lindbergh, John H.: *See*—  
Wästvind, Allan U., and Lindbergh. 2,720,551.
- Lindblad, Frederick W. 2,703,437, Cl. 18—59.
- Lindblom, Carl A.: *See*—  
Sewell, Ernest R., Lee, and Lindblom. 2,708,133.  
Swift, John F., and Lindblom. 2,724,973.
- Lindblom, Robert O.: *See*—  
Kaeding, Warren W., Lindblom, and Temple. 2,727,926.
- Lindbloom, Franz. 2,717,169, Cl. 292—144.
- Lindhom, Sven V., to Husqvarna Vapenfabriks Aktiebolag. 2,699,423, Cl. 204—6.
- Linde, Hilding. 2,716,505, Cl. 220—69.
- Linde, Richard: *See*—  
Karwat, Ernst, and Linde. 2,699,047.
- Lindel, August, and H. Höfer, to American Enka Corp. 2,709,282, Cl. 19—161.
- Lindell, Sigurd I., to S & C Electric Co. 2,710,897, Cl. 200—146.
- Lindeman, Jesse G., to Deere & Co. 2,707,907, Cl. 97—47.13.
- Lindeman, Jesse G., to Deere & Co. 2,719,474, Cl. 97—199.
- Lindeman, Jesse G., and R. D. Krehbiel, to Deere & Co. 2,708,906, Cl. 121—38.
- Lindeman, Jesse G., L. F. Heintz, R. D. Krehbiel, and O. L. Durland, to Deere & Co. 2,713,298, Cl. 97—47.54.
- Lindeman, Jesse G., and A. B. Youngs, to Deere & Co. 2,725,809, Cl. 97—47.2.
- Lindeman, Myrl A., to Sun Oil Co. 2,715,430, Cl. 152—416.
- Lindemann, Herbert: *See*—  
Stirnemann, Ernst, and Lindemann. 2,714,748.  
Lindemann, Herbert, and E. Stirnemann. 2,714,747, Cl. 18—48.
- Lindemann, Robert E., to The B. F. Goodrich Co. 2,702,070, Cl. 154—42.
- Linden, Carl E.: *See*—  
Knosp, Robert N., Linden, and Wetzel. 2,699,078.  
Knosp, Robert N., Linden, and Wetzel. 2,722,853.
- Linden, Henry R.: *See*—  
Pettyjohn, Elmore S., and Linden. 2,707,675.  
Pettyjohn, Elmore S., and Linden. 2,721,122.  
Pettyjohn, Elmore S., and Linden. 2,721,123.
- Lindenblad, Nils E., to Radio Corp. of America. 2,698,525, Cl. 62—136.
- Lindenblad, Nils E., to Radio Corp. of America. 2,706,243, Cl. 250—13.
- Lindenberg, Eric R., to Vonnegut Moulder Corp. 2,714,790, Cl. 51—185.
- Linder, Cyril S., to Pittsburgh Plate Glass Co. 2,710,900, Cl. 201—73.
- Linder, Ernest G., to Radio Corp. of America. 2,709,229, Cl. 313—54.
- Linder, Ernest G., and S. M. Christian, to Radio Corp. of America. 2,720,582, Cl. 250—17.
- Linder, Victor F., to O'Neil-Irwin Mfg. Co. 2,706,513, Cl. 153—54.
- Linder, Willy, to Kopers Co., Inc. 2,716,597, Cl. 48—62.
- Linder, Willy, and A. Häberle, to Koppers Co., Inc. 2,714,670, Cl. 290—2.
- Linderoth, Erik T. 2,727,535, Cl. 138—37.
- Linde's Eismaschinen Aktiengesellschaft: *See*—  
Wucherer, Johannes, and Becker. 2,712,738.
- Lindgren, Arnold C.: *See*—  
Altgelt, Rudolph J., and Lindgren. 2,712,279.
- Lindhagen, Teodor I.: *See*—  
Nilsson, Hans R., and Lindhagen. 2,709,336.
- Lind-Hog Machine Co.: *See*—  
Lindquist, Jonas T. 2,726,414.
- Lindholm, Nils G. H., and S. O. Juselius. 2,706,288, Cl. 340—268.
- Lindley, Frederick A., to Smith-Meeker Engineering Co. 2,727,738, Cl. 267—1.
- Lindley, Hardie. 2,701,944, Cl. 56—33.
- Lindley, Ross C. 2,700,218, Cl. 32—18.
- Lindley, Ross C. 2,700,219, Cl. 32—32.
- Lindner, Adam: *See*—  
Sigel, Carl A., and Lindner. 2,700,293.
- Lindner, Arthur E., and A. J. Burtscher, to Toledo Scale Co. 2,702,728, Cl. 308—2.
- Lindner, Erna: *See*—  
Schultze, Kurt. 2,722,212.  
Schultze, Kurt H. 2,705,946.
- Lindner, Frank W. 2,706,827, Cl. 16—95.
- Lindner, Frank W. 2,719,598, Cl. 193—49.
- Lindner, Kurt A.: *See*—  
Buchhold, Theodor, Haeussermann, and Lindner. 2,717,969.
- Lindner, William J.: *See*—  
MacNeill, Samuel G., and Lindner. 2,699,993.
- Lindon, Joseph B., to Consolidated Edison Co. of New York, Inc. 2,720,833, Cl. 101—93.
- Lindquist, Curt A. J., to Aktiebolaget Celloplast. 2,712,154, Cl. 18—15.
- Lindquist, Jonas T., to Lind-Hog Machine Co. 2,726,414, Cl. 15—4.
- Lindroth, Gerald J. 2,708,474, Cl. 155—116.
- Lindsay, Alexander R., to The Budd Co. 2,711,340, Cl. 296—28.
- Lindsay, Frederick K., to National Aluminate Corp. 2,701,791, Cl. 210—16.
- Lindsay, Griffith W., to Buckeye Iron & Brass Works. 2,722,337, Cl. 220—40.
- Lindsay, Harry B. 2,710,483, Cl. 43—57.5.
- Lindsay, James B., to Radio Corp. of America. 2,725,641, Cl. 34—87.
- Lindsay, James B., to Radio Corp. of America. 2,725,846, Cl. 118—2.
- Lindsay, John E.: *See*—  
Pease, Warren S., and Lindsay. 2,703,122.
- Lindsay, John E., to F. B. Pease Co., Inc. 2,699,807, Cl. 146—40.
- Lindsay Ripe Olive Co.: *See*—  
Kagley, William H., Wylie, and Webster. 2,719,477.  
Wood, Burl T. 2,719,555.
- Lindsay, Rolland S., to Haller Machine and Mfg. Co. 2,704,087, Cl. 137—119.
- Lindsay, Wesley N., to Food Machinery and Chemical Corp. 2,712,361, Cl. 183—4.2.
- Lindsay, Will H., Jr., and R. A. Phillips, to Lane-Wells Co. 2,707,917, Cl. 102—20.
- Lindsay Wire Weaving Co., The: *See*—  
Hose, Alfred G., Wennes, and Salter. 2,718,791.  
Southam, Earl A., Davis, and Wennes. 2,711,469.
- Lindsey, Ernest E. 2,703,969, Cl. 62—126.
- Lindsey, Ernest E. 2,716,377, Cl. 99—406.



- Lindsey, William H., and E. G. Caswell, to Armstrong Siddeley Motors Ltd. 2,710,068, Cl. 170—135.74.
- Lindstaedt, Frank F., and F. S. Wright. 2,725,168, Cl. 226—49.
- Lindstedt, Åke: *See*—  
Gynt, Sven, and Lindstedt. 2,711,490.
- Lindstrom, Charles M., to Bostitch, Inc. 2,707,278, Cl. 1—187.
- Lindstrom, Charles M., to Bostitch, Inc. 2,714,207, Cl. 1—44.4.
- Lindstrom, Charles M., to Bostitch, Inc. 2,714,209, Cl. 1—48.
- Lindstrom, Eddie G.: *See*—  
Clayton, James O., Lindstrom, and Stuart. 2,700,022.
- Lindstrom, Merrill S., and S. J. Montange. 2,722,912, Cl. 119—130.
- Lindstrom, Walter A., and A. O. Preuss, to United States Steel Corp. 2,715,958, Cl. 198—131.
- Line, Dale A.,  $\frac{1}{2}$  to P. W. Smith and  $\frac{1}{2}$  to B. Hadlock. 2,720,051, Cl. 43—131.
- Linear, Inc.: *See*—  
Swartz, John H., and Purcell. 2,707,118.
- Linebaugh, Isabelle L.: *See*—  
Linebaugh, Theodore D., and I. L. 2,725,143.
- Linebaugh, Theodore D., and I. L. 2,725,143, Cl. 206—62.
- Linen Thread Co., Inc., The: *See*—  
Burman, Harold A. 2,707,635.
- Ederer, Lothar A. 2,727,425.
- Lines, Carl H., to Avco Mfg. Corp. 2,710,615, Cl. 134—58.
- Lingal, Harry J., to Westinghouse Electric Corp. 2,700,082, Cl. 200—98.
- Lingal, Harry J., to Westinghouse Electric Corp. 2,703,829, Cl. 200—50.
- Lingard, Frederick E., to Addressograph-Multigraph Corp. 2,704,976, Cl. 101—58.
- Lingle, Cleo M., to Lingle Refrigerator Co., Inc. 2,726,424, Cl. 20—35.
- Lingle, Garland E. 2,713,819, Cl. 100—98.
- Lingle, George W. 2,699,200, Cl. 155—55.
- Lingle Refrigerator Co., Inc.: *See*—  
Lingle, Cleo M. 2,726,424.
- Linguaphone Institute Ltd.: *See*—  
Stone, Leonard. 2,723,859.
- Link Aviation, Inc.: *See*—  
Cooper, Forrest, Jr., and Hicken. 2,715,782.
- Frankel, Burton L., Loiterman, and Hicken. 2,709,308.
- Hayes, Monson H. 2,715,208.
- Hayes, Monson H., and West. 2,724,108.
- Neiswander, Robert S. 2,722,059.
- Link-Belt Co.: *See*—  
Baumheckel, Ralph E. 2,717,185.
- Bryant, Jerrus M., and Richards. 2,708,125.
- Cassells, Clarence W. 2,713,728.
- Davis, Ralph P. 2,722,726.
- Erisman, John L. 2,720,710.
- Harvengt, Edmond. 2,700,471.
- Harvengt, Edmond. 2,705,074.
- Harvengt, Edmond. 2,705,075.
- Harvengt, Edmond. 2,720,312.
- Robertson, Dale N., and Link. 2,703,320.
- Weber, Milton N. 2,712,408.
- Link, Karl P.: *See*—  
Seidman, Martin, and Link. 2,702,806.
- Link, William O. 2,710,033, Cl. 144—288.
- Linker Machines, Inc.: *See*—  
Demarest, Daniel D., Perkins, Karius, and Berendt. 2,701,385.
- Linker, William L., to Grinnell Corp. 2,716,017, Cl. 251—331.
- Links, Heinrich K., to Daimler-Benz Aktiengesellschaft. 2,702,535, Cl. 123—119.
- Links, Heinrich K., to Daimler-Benz Aktiengesellschaft. 2,708,601, Cl. 299—107.6.
- Links, Heinrich K., to Daimler-Benz Aktiengesellschaft. 2,708,921, Cl. 123—140.
- Links, Heinrich K., and R. J. Wirsching, to Daimler-Benz Aktiengesellschaft. 2,717,587, Cl. 123—140.
- Linn, Carl B.: *See*—  
Shaw, Alfred W., and Linn. 2,722,521.
- Linn, Carl B., and G. L. Hervert, to Universal Oil Products Co. 2,698,864, Cl. 260—507.
- Linn, Daisy A.: *See*—  
Linn, Frank F. 2,701,727.
- Linn, Frank F., to D. A. Linn, and J. B. Long, as trustees. 2,701,727, Cl. 280—124.
- Linn, Richard L.: *See*—  
Deubler, Louis H., Linn, and Thomas. 2,723,136.
- Linn, William J. 2,721,791, Cl. 48—180.
- Linnabery, George H., to Bell Aircraft Corp. 2,702,170, Cl. 244—17.11.
- Linneman, Fred, to I. A. Hinderaker. 2,724,612, Cl. 298—19.
- Linnemann, Joseph G., and E. W. Bateman. 2,720,821, Cl. 93—88.
- Linnenbank, Charles D., to Baldt Anchor Chain and Forge Division of the Boston Metals Co. 2,714,798, Cl. 59—35.
- Linguist, William A. 2,713,891, Cl. 155—152.
- Linscheid, Arthur A., to A. A. Bennett, F. J. Orr, and A. A. Linscheid, copartners, doing business under the style and firm name of B&L Mfg. Co. 2,716,319, Cl. 56—25.
- Linse, Marcus J.: *See*—  
Plumb, Robert F., and Linse. 2,727,732.
- Linsk, Jack: *See*—  
Fields, Ellis K., Scanley, and Linsk. 2,719,126.
- Linsk, Jack, to Standard Oil Co. 2,710,283, Cl. 252—57.
- Linsk, Jack, to Standard Oil Co. 2,727,022, Cl. 260—94.8.
- Linsk, Jack, and C. S. Scanley, to Standard Oil Co. 2,710,282, Cl. 252—56.
- Linskey, John R.: *See*—  
Armitage, Bronson W. 2,722,938.
- Linsky, Elliot F. 2,705,162, Cl. 287—54.
- Linsley, Douglas F., to M. A. Walden. 2,720,793, Cl. 74—472.
- Linson, Don A., to Paper Package Co. 2,702,154, Cl. 229—39.
- Linstead, Reginald P.: *See*—  
Arden, Thomas V., Burstall, Linstead, and Wells. 2,728,633.
- Linster, Nicholas A. 2,717,385, Cl. 2—10.
- Linster, Nicholas A. 2,717,386, Cl. 2—12.
- Lintern, A. R., Inc.: *See*—  
Lintern, Alfred R. 2,718,037.
- Lintern, Alfred R. 2,718,186.
- Lintern, Alfred R., to A. R. Lintern, Inc. 2,718,037, Cl. 20—40.5.
- Lintern, Alfred R., to A. R. Lintern, Inc. 2,718,186, Cl. 98—10.
- Linton, Donald C.: *See*—  
Robertson, James A., Miles, and Linton. 2,703,273.
- Linton, Merwyn B. 2,721,003, Cl. 222—83.
- Lints, Ronald V.: *See*—  
Johnson, Robert W., Ness, and Lints. 2,705,497.
- Ness, Irving S., Lints, and Petterson. 2,705,686.
- Ness, Irving S., Lints, and Petterson. 2,705,688.
- Linville, John G., and R. L. Wallace, Jr., to Bell Telephone Laboratories, Inc. 2,726,370, Cl. 333—80.
- Linville, Eugene H.: *See*—  
Dreher, Daniel. 2,707,365.
- Lion Mfg., Inc.: *See*—  
Ongaro, Theodore, and Crawford. 2,711,647.
- Lionberger, Jack. 2,705,548, Cl. 189—31.
- Lionel Corp., The: *See*—  
Bonanno, Joseph L. 2,722,773.
- Bonanno, Joseph L. 2,725,668.
- Pettit, Frank. 2,724,557.
- Zion, Moses. 2,721,984.
- Lip S. A. d'Horlogerie: *See*—  
Dargier de Saint-Vaulry, Paul. 2,713,764.
- Lipari, Gioacchino: *See*—  
Lipari, Michael. 2,706,984.
- Lipari, Michael, to G. Lipari. 2,706,984, Cl. 128—218.
- Lipe-Rollway Corp.: *See*—  
Lanphere, Gerald B. 2,723,007.
- Spase, Charles B. 2,704,467.
- Spase, Charles B. 2,713,437.
- Liphart, Fred L. 2,704,371, Cl. 5—329.
- Lipic, Sylvester G., to Ritepoint, Inc. 2,703,483, Cl. 67—7.1.
- Lipkin, David, and S. I. Weissman, to the United States of America as represented by the United States Atomic Energy Commission. 2,719,777, Cl. 23—14.5.
- Lipkin, Moses R., to Sun Oil Co. 2,724,697, Cl. 252—33.2.
- Lipking, Henry P., to H. E. Stocks. 2,712,670, Cl. 16—129.
- Lipman, Elmer. 2,701,737, Cl. 299—88.
- Lippart, John: *See*—  
Barrett, Lawrence D., Jr., and Lippart. 2,724,546.
- Lippe, Alexander H., 50% to H. A. Bonne. 2,709,609, Cl. 288—3.
- Lippel, Bernard, to the United States Government as represented by the Secretary of the Army. 2,711,499, Cl. 318—28.
- Lippel, Bernard, and J. A. Buegler, to the United States of America as represented by the Secretary of the Army. 2,714,204, Cl. 340—347.
- Lipphaus, Arthur, E. Semmler, and H. Verse, to Hartford National Bank and Trust Co., as trustee. 2,699,367, Cl. 311—6.
- Lippi, Dominic M., to Norwood Products Co. 2,710,593, Cl. 119—71.
- Lippman, Aaron H.: *See*—  
Lippman, Jerome, and Lorence. 2,700,490.
- Lippman, Alfred, Jr., to The Commonwealth Engineering Co. of Ohio. 2,720,009, Cl. 20—56.5.
- Lippman, Alfred, Jr., to The Commonwealth Engineering Co. of Ohio. 2,720,106, Cl. 73—15.6.
- Lippman, Jerome, and R. W. Lorence,  $\frac{1}{2}$  to said J. Lippman and  $\frac{1}{2}$  to A. H. Lippman. 2,700,490, Cl. 222—181.
- Lipschultz, Jerome M.: *See*—  
Silverstein, Isidore, Lipschultz, and Genender. 2,707,296.
- Lipscomb, Robert: *See*—  
Hodkinson, John, and Lipscomb. 2,721,371.
- Lipscomb, Willis L. 2,703,360, Cl. 240—51.11.
- Lipsich, Maurice L., and F. C. Schwaneke, to Dormeyer Corp. 2,710,906, Cl. 219—20.
- Lipski, Abraham. 2,725,612, Cl. 25—154.
- Lipson, Leonard. 2,712,458, Cl. 285—120.
- Lipton, Milton A., to the United States of America as represented by the Secretary of the Army. 2,726,374, Cl. 339—105.
- Lipton, Samuel H., and S. A. Morell, to Pabst Brewing Co. 2,700,038, Cl. 260—211.5.
- Liquidometer Corp., The: *See*—  
De Giers, Clarence A. Re. 24,075.
- De Giers, Clarence A. 2,724,272.
- De Giers, Clarence A. 2,728,546.
- Sontheimer, Carl G. 2,724,273.
- Liquidvision Gauge and Control Corp.: *See*—  
Morschel, Albert J. 2,707,895.
- Liquifoil Corp.: *See*—  
McClure, Walter. 2,704,427.
- Lis, Gerhard, to J. H. Stielow. 2,714,350, Cl. 101—126.
- Liscomb, Jerome D. 2,715,769, Cl. 30—124.



- Lisenby, George E. 2,727,582, Cl. 180—22.  
 Lishmund, Ronald E. J.: *See*—  
   Hopf, Peter P., and Lishmund. 2,721,152.  
   Hopf, Peter P., and Lishmund. 2,721,153.  
   Hopf, Peter P., and Lishmund. 2,721,154.  
 Lisi, Frank A. 2,717,634, Cl. 155—140.  
 Lisk-Savory Corp.: *See*—  
   Wilson, Ashley F., and Clement. 2,717,000.  
 Liska, Ernest. 2,710,463, Cl. 36—71.5.  
 Lisota, Edward, to himself and G. L. Lisota. 2,704,476, Cl. 81—84.  
 Lisota, Genevieve L.: *See*—  
   Lisota, Edward. 2,704,476.  
 List, Hans: *See*—  
   Lehner, Felix. 2,715,393.  
 Liston, Marcia B.: *See*—  
   Bletcher, Ralph E., and Ward. 2,706,998.  
   Bletcher, Ralph E., and Ward. 2,726,120.  
 Liston, Sol. 2,700,939, Cl. 107—1.  
 Listone Concrete Co. Ltd.: *See*—  
   Livingston, William D., and King. 2,717,435.  
 Litant, Irving, and R. V. Townend, to Allied Chemical & Dye Corp. 2,716,593, Cl. 23—174.  
 Litant, Irving, and C. B. Miller, to Allied Chemical & Dye Corp. 2,723,296, Cl. 260—653.  
 Litant, Irving, and C. B. Miller, to Allied Chemical & Dye Corp. 2,723,297, Cl. 260—653.  
 Litchfield, Rolland G.: *See*—  
   Brickman, Leo, Harmon, and Litchfield. 2,711,168.  
 Litchford, George B., to The Sperry Corp. 2,705,793, Cl. 343—16.  
 Litchford, George B., to The Sperry Corp. 2,711,533, Cl. 343—106.  
 Lithographic Technical Foundation: *See*—  
   Martin, James K. 2,716,380.  
   Wheeler, Gordon C. 2,728,224.  
 Litochleb, Joseph: *See*—  
   Dvorak, Joseph F. 2,728,278.  
 Littell, Ruddy: *See*—  
   Bernstein, Seymour, and Littell. 2,700,666.  
 Little, Arthur D., Inc.: *See*—  
   Brooks, Frank P., and Pastuhov. 2,706,665.  
   Collins, Samuel C. 2,716,333.  
   Eaton, Samuel E. 2,728,495.  
   Jackson, Thomas S., and Swanton. 2,713,252.  
   Keyes, Frederick G. 2,722,105.  
   Meissner, Herman P. 2,705,661.  
   Sauer, Charles W. 2,713,594.  
   Stearns, Thornton, and Smith. 2,722,586.  
 Little, Charles H., to Universal Drafting Machine Corp. 2,708,791, Cl. 33—79.  
 Little, Donald M., to Phillips Petroleum Co. 2,702,782, Cl. 196—49.  
 Little, Harry C. 2,704,118, Cl. 158—91.  
 Little, Harry C. 2,722,929, Cl. 128—33.  
 Little, John B., to Bell Telephone Laboratories, Inc. 2,716,202, Cl. 315—3.5.  
 Little, John H., and H. J. Schoelles, to General Motors Corp. 2,707,079, Cl. 237—8.  
 Little, John R., Jr.: *See*—  
   Gross, Irving, Little, and Guillemette. 2,706,898.  
 Little, Julian R.: *See*—  
   Tawney, Pliny O., and Little. 2,701,895.  
 Little, Julian R., to United States Rubber Co. 2,710,291, Cl. 260—79.5.  
 Little, Lawrence L., and G. Chen, to E. F. Drew & Co. Inc. 2,727,007, Cl. 252—106.  
 Little Giant Products, Inc.: *See*—  
   Williams, Russell T. 2,709,269.  
 Littman, Arthur A. 2,702,901, Cl. 1—4.  
 Littman, Arthur A. 2,720,651, Cl. 1—4.  
 Littmann, Edwin R.: *See*—  
   Newberg, Raymond G., Littmann, and Ford. 2,714,568.  
 Littmann, Hans, to C. Zeiss. 2,705,490, Cl. 128—6.  
 Litton Industries, Inc.: *See*—  
   Moore, Norman H. 2,724,090.  
 Litton, James W., and R. F. Krueger, to the United States of America as represented by the United States Atomic Energy Commission. 2,712,636, Cl. 324—158.  
 Litty, Paul. 2,699,674, Cl. 73—95.  
 Litvan, Franz: *See*—  
   Stoll, Willy, and Litvan. 2,727,060.  
 Litvan, Jozsef, and A. Glaser. 2,721,358, Cl. 19—7.  
 Litwinski, Theodore L. 2,715,757, Cl. 20—1.6.  
 Litzenberg, David P. 2,709,965, Cl. 103—87.  
 Liu, Shing R. 2,717,542, Cl. 95—16.  
 Liu, Tien-Shih: *See*—  
   Wagner, Frank C., and Liu. 2,723,929.  
 Livermont, Frank W.: *See*—  
   Gresham, William F., Kompaniez, and Livermont. 2,726,891.  
 Livermont, Frank W., to Richmond, Inc. 2,703,976, Cl. 73—1.  
 Livermont, Frank W., to Richmond, Inc. 2,706,903, Cl. 73—1.  
 Livermore, H. F., Corp.: *See*—  
   Dodge, Sherwood O. 2,707,974.  
 Livers, Carlos B., to Bendix Aviation Corp. 2,707,455, Cl. 121—41.  
 Liversidge, Thomas K. 2,725,780, Cl. 84—377.  
 Livesay, Everett G. 2,705,415, Cl. 72—98.  
 Livezey, William G., J. E. Storer, Jr., and E. A. Richards, to General Motors Corp. 2,699,074, Cl. 74—645.  
 Livingston, Alistair: *See*—  
   Irving, Francis, and Livingston. 2,709,170.  
 Livingston, Harry F. 2,717,141, Cl. 248—278.  
 Livingston, Herman G., and M. E. Shrader. 2,710,170, Cl. 255—1.6.  
 Livingston, Herman H. 2,699,774, Cl. 128—92.  
 Livingston, Jay K. 2,722,457, Cl. 299—144.  
 Livingston, Robert, and A. C. Hutchison, to Imperial Chemical Industries Ltd. 2,713,768, Cl. 60—35.6.  
 Livingston, William D., and R. F. King, to Listone Concrete Co. Ltd. 2,717,435, Cl. 25—30.  
 Livingstone, Jay G. 2,715,480, Cl. 222—111.  
 Livingstone, Robert. 2,712,041, Cl. 191—59.1.  
 Livingstone, Terence B.: *See*—  
   Rackham, Ronald H., and Livingstone. 2,717,932.  
 Lizon, John A. 2,703,942, Cl. 42—1.  
 Ljungdahl, Olof G. 2,715,743, Cl. 15—119.  
 Ljungdahl, Olof G. 2,715,744, Cl. 15—119.  
 Llata, Raul G., to Friden Calculating Machine Co., Inc. 2,712,866, Cl. 192—22.  
 Llewellyn, Frederick B., to Bell Telephone Laboratories, Inc. 2,720,627, Cl. 333—32.  
 Lloyd, Peter, to Power Jets (Research and Development) Ltd. 2,706,150, Cl. 48—72.  
 Lloyd, William H., to Pacific Union Metal Co. 2,698,519, Cl. 61—56.  
 Lloyd, William H., to Pacific Union Metal Co. 2,698,520, Cl. 61—56.  
 Lloyd-Kessel, Frederick, to H. Fisher (Oldham) Ltd. 2,712,228, Cl. 68—3.  
 Lloyds Bank Ltd.: *See*—  
   Kendall, Ronald, and Hinde. 2,699,746.  
 Lo, Arthur W., to Radio Corp. of America. 2,705,287, Cl. 250—36.  
 Lo, Chien-Pen, and W. E. Craig, to Rohm & Haas Co. 2,708,679, Cl. 260—564.  
 Lobachewski, Theodore. 2,713,210, Cl. 33—174.  
 Lobbé, Armin: *See*—  
   Lobbé, Wilhelm. 2,699,930.  
   Lobbé, Wilhelm. 2,702,697.  
   Lobbé, Wilhelm. 2,721,051.  
 Lobbé, Georges. 2,721,292, Cl. 314—38.  
 Lobbé, Wilhelm, deceased, by A. Lobbé, administrator. 2,699,930, Cl. 262—8.  
 Lobbé, Wilhelm, deceased (by A. Lobbé, administrator). 2,702,697, Cl. 262—8.  
 Lobbé, Wilhelm, deceased, by A. Lobbé, administrator. 2,721,051, Cl. 248—354.  
 Lobdell, Harry R.: *See*—  
   Bivans, Elbert L., and Lobdell. 2,724,364.  
 Lobendank, Friedrich. 2,710,239, Cl. 311—39.  
 Lobl, Frederick. 2,728,200, Cl. 62—83.  
 Lobl, Otto. 2,721,551, Cl. 128—208.  
 Lo Bue, Nicholas D.: *See*—  
   Paselk, Robert A., Huisman, and Lo Bue. 2,723,092.  
 Lo Cascio, Jack J., to Even-Pul Foundations, Inc. 2,701,362, Cl. 2—42.  
 Lo Cascio, Jack J., to Even-Pul Foundations, Inc. 2,703,886, Cl. 2—42.  
 Lochner, David. 2,714,743, Cl. 16—179.  
 Lochner, Hubert D., to Lochner Mfg. Co. 2,726,025, Cl. 226—46.  
 Lochner Mfg. Co.: *See*—  
   Lochner, Hubert D. 2,726,025.  
 Lockard, Lorin A.: *See*—  
   Vanalstyne, Earl M. 2,708,912.  
 Locke, Burton H. 2,720,322, Cl. 214—6.  
 Locke, Burton H. 2,723,014, Cl. 192—56.  
 Locke, George A., to Bell Telephone Laboratories, Inc. Re. 23,990, Cl. 178—3.  
 Locke, George A., L. E. Melhuish, and B. Ostendorf, Jr., to Bell Telephone Laboratories, Inc. 2,714,626, Cl. 178—2.  
 Locke, Loyal V., to The Huffman Mfg. Co. 2,714,476, Cl. 222—508.  
 Lockemann, Wilhelm, and C. Bodenstein, to Siemens & Halske, Aktiengesellschaft. 2,700,067, Cl. 178—17.5.  
 Lockey, Ike K. 2,706,446, Cl. 99—419.  
 Lockhart, Harold A.: *See*—  
   Carlson, Gilbert F., and Lockhart. 2,701,581.  
 Lockhart, Marshall L. 2,706,479, Cl. 128—218.  
 Lockhart, Marshall L., to The Compu Corp. 2,722,257, Cl. 150—5.  
 Lockhart, Marshall L., to The Compu Corp. 2,724,383, Cl. 128—215.  
 Lockhart, Marshall L., to The Compu Corp. 2,724,385, Cl. 128—261.  
 Lockhart, Marshall L., to The Compu Corp. 2,725,057, Cl. 128—218.  
 Lockhart, Marshall L., to The Compu Corp. 2,725,683, Cl. 49—80.  
 Lockhart, Marshall L., to The Compu Corp. 2,726,656, Cl. 128—216.  
 Lockhart, Marshall L., to The Compu Corp. 2,727,514, Cl. 128—218.  
 Lockhart, Marshall L., to The Compu Corp. 2,727,516, Cl. 128—276.  
 Lockheed Aircraft Corp.: *See*—  
   Basolo, Menoto D., and Sprague. 2,702,716.  
   Borger, James C. 2,701,408.  
   Buzzetti, Charles J., and Howland. 2,722,587.  
   Carter, Kenneth S. 2,717,745.  
   Clark, Kenneth A., Sr., and Kennedy. 2,724,420.  
   Clark, Nathan C. 2,710,367.  
   Cleveland, Frank A., II. 2,707,372.  
   Culver, Irvn H. 2,702,679.  
   Flock, Arthur E., Jr. 2,702,678.



- Lockheed Aircraft Corp.: *See*—Continued.  
 Flower, Burton T., and Sullivan. 2,722,080.  
 Hoffman, Frederick C. 2,702,578.  
 Holloway, Raymond A. 2,724,782.  
 Mercer, Warren R. 2,724,297.  
 Murray, Robert H. 2,712,874.  
 Simon, Eli, and Thomas. 2,698,838.  
 Simon, Eli, and Thomas. 2,728,741.  
 Simon, Eli, Thomas, and Dixon. 2,728,702.
- Lock Joint Pipe Co.: *See*—  
 Kennison, Hugh F. 2,707,003.  
 Kennison, Hugh F. 2,722,438.  
 Kennison, Hugh F., and Seaman. 2,724,886.
- Locklair, Earl E.: *See*—  
 Samfield, Max M., Brock, and Locklair. 2,708,175.
- Lockman, Carl J., to Aktiebolaget Rosenblads Patent. 2,699,390, Cl. 92—7.
- Lockman, Carl J., to Rosenblad Corp. 2,707,991, Cl. 159—20.
- Lockrey, Andrew J., and F. W. Koinig; said Koinig assor. to said Lockrey. 2,714,062, Cl. 71—1.
- Lockwood, Burt E., to General Electric Co. 2,705,619, Cl. 259—1.
- Lockwood, George H., and R. E. Peterson, to Westinghouse Electric Corp. 2,707,687, Cl. 117—33.5.
- Lockwood, Jack C. 2,710,753, Cl. 273—96.
- Lockwood, Lawrence W. 2,713,274, Cl. 74—750.
- Lockwood, Lawrence W. 2,716,301, Cl. 43—21.
- Lockwood, Louis H., and H. M. Yohn, to Armstrong Cork Co. 2,720,230, Cl. 144—175.
- Lockwood, William B., to The Cold Metal Products Co. 2,706,422, Cl. 80—60.
- Lockwood, William B., to F. L. Jacobs Co. 2,722,976, Cl. 155—180.
- Locomotive Finished Material Co., The: *See*—  
 McIntosh, Robert L., and Moorhead. 2,721,523.
- Lode, Tenny: *See*—  
 Goodell, John D., and Lode. 2,704,842.  
 Goodell, John D., and Lode. 2,723,316.
- Lodenus, Jennie W. 2,719,303, Cl. 2—105.
- Lodewick, Madeleine, and M. Lodewick. 2,701,381, Cl. 15—184.
- Lodewick, Mildred: *See*—  
 Lodewick, Madeleine, and Lodewick. 2,701,381.
- Lodge, Alvin, to Blackstone Corp. 2,700,884, Cl. 68—23.
- Lodge, James A.: *See*—  
 James, Ivanhoe J., Penfound, and Lodge. 2,721,228.
- Loeb, Lawrence A. 2,706,486, Cl. 134—200.
- Loeb, Morris. 2,707,120, Cl. 292—75.
- Loeb, Morris. 2,714,029, Cl. 292—71.
- Loeb, Morris. 2,721,752, Cl. 292—341.15.
- Loeb, Morris. 2,721,753, Cl. 292—341.15.
- Loeb, Morris. 2,721,754, Cl. 292—341.15.
- Loebel, Frederick A.: *See*—  
 Meyer, James R., and Loebel. 2,722,733.
- Loeck, Günther F. E., to W. & L. E. Gurley. 2,718,816, Cl. 88—40.
- Loehnis, Edward J.: *See*—  
 Silvestri, Frank V., and Loehnis. 2,722,344.
- Loehr, Leslie K. 2,705,291, Cl. 290—37.
- Löertscher, Albert. 2,704,607, Cl. 212—102.
- Loesch, William S. 2,701,838, Cl. 240—2.
- Loetscher, Robert F., to Farley & Loetscher Mfg. Co. 2,725,604, Cl. 20—35.
- Loevinger, Robert, T. A. Chubb, and G. W. Monk, to the United States of America as represented by the United States Atomic Energy Commission. 2,727,995, Cl. 250—41.9.
- Loewe Opta A. G.: *See*—  
 Golle, Horst, and Bischkopf. 2,702,834.
- Loewe Opta Aktiengesellschaft: *See*—  
 Stoff, Wolfgang, and Neumann. 2,703,877.
- Loewe, Siegmund. 2,716,962, Cl. 116—124.4.
- Loewe, Siegmund. 2,728,066, Cl. 340—202.
- Loewen, Edward. 2,708,413, Cl. 103—117.
- Loewy Construction Co., Inc.: *See*—  
 Krause, Gerhard F. 2,715,459.
- Lofgren, Gustaf E., and J. T. Ferraris, to Electrolux Corp. 2,725,952, Cl. 183—37.
- Löfgren, Tore R.: *See*—  
 Kihlstedt, Per G., and Löfgren. 2,711,823.
- Löfqvist, Bengt E. R., to Sandvikens Jernverks Aktiebolag. 2,716,564, Cl. 285—174.
- Löfqvist, Bengt E. R., to Sandvikens Jernverks Aktiebolag. 2,725,214, Cl. 255—49.
- Lofstrand, Anders R., Jr., to The Lofstrand Co. 2,711,183, Cl. 135—50.
- Lofstrand Co., The: *See*—  
 Lofstrand, Anders R., Jr. 2,711,183.
- Loft, Arne, to General Electric Co. 2,707,275, Cl. 340—227.
- Lofthouse, Fred R.: *See*—  
 King, Daniel O., and Lofthouse. 2,719,521.
- Lofstin, John A. 2,716,841, Cl. 46—191.
- Lofstin, Kenthal C. and L. B., and E. A. Woodard. 2,722,758, Cl. 37—2.
- Lofstin, Lowenthal B.: *See*—  
 Lofstin, Kenthal C. and L. B., and Woodard. 2,722,758.
- Lofton, Edgar K., to The Dayton Rubber Co. 2,713,974, Cl. 238—283.
- Loftus Engineering Corp.: *See*—  
 Francis, Charles B. 2,717,657.  
 Lackner, Robert V. 2,716,687.  
 Lackner, Robert V. 2,716,688.  
 Lackner, Robert V. 2,720,576.  
 Lackner, Robert V. 2,720,577.
- Logan, Alexander L.: *See*—  
 Fluck, Linton A., and Logan. 2,718,478.
- Logan, Duane L. 2,723,648, Cl. 119—81.
- Logan, Frank G., to Vickers Inc. 2,710,313, Cl. 179—171.
- Logan, Frank G., to Vickers Inc. 2,711,005, Cl. 29—25.3.
- Logan, Frank G., to Vickers Inc. 2,712,684, Cl. 29—25.3.
- Logan, Ian M., and J. P. Swentzel, to The Carborundum Co. 2,706,382, Cl. 60—35.6.
- Logan, James S.: *See*—  
 McArthur, Richard E., and Logan. 2,713,044.
- Logan, Ralph A., and M. Sparks, to Bell Telephone Laboratories, Inc. 2,698,780, Cl. 41—42.
- Logan, Richard W., and B. C. Liebenthal. 2,710,909, Cl. 219—46.
- Logan, Robert P., and A. J. Fischer, to Dorr-Oliver Inc. 2,723,231, Cl. 210—8.
- Logan, Roger L., to Kessler Chemical Co., Inc. 2,727,916, Cl. 260—419.
- Logansport Machine Co., Inc.: *See*—  
 Becker, Robert E. 2,714,522.
- Logue, Francis G., to Proctor Electric Co. 2,724,961, Cl. 73—1.
- Logue, Leland H., and R. S. Bailey, to Western Machinery Corp. 2,700,466, Cl. 209—172.
- Logus, Anthony T., to Pettibone Mulliken Corp. 2,708,800, Cl. 37—190.
- Lohmiller, Kurt E.: *See*—  
 Beck, Hans J., Ehn, Lohmiller, and Schmid. 2,703,261.
- Lohr, Arthur D.: *See*—  
 Diveley, William R., and Lohr. 2,725,328.
- Lohrey, Mary L. 2,708,584, Cl. 280—113.
- Lohrman, Gustav H., to Standard Railway Equipment Mfg. Co. 2,724,144, Cl. 16—129.
- Lohrman, William V.: *See*—  
 Silver, Walter H., and Lohrman. 2,713,295.
- Lohs, Willy: *See*—  
 Ulrich, Fritz, Lohs, Hofmann, Centmaier, and Eder. 2,724,747.
- Loiselle, Napoleon. 2,714,535, Cl. 305—10.
- Loiterman, Leo: *See*—  
 Frankel, Burton L., Loiterman, and Hicken. 2,709,308.
- Lokkesmoe, Julius B. 2,727,949, Cl. 179—115.5.
- Lokotzke, George P.: *See*—  
 Dangremont, Robert V., Lokotzke, and Shipley. 2,727,263.
- Lolli, August L., and E. F. Cavanaugh, to Armour and Co. 2,703,779, Cl. 195—66.
- Lomax, Clarence E., to Automatic Electric Laboratories, Inc. 2,717,925, Cl. 179—18.
- Lomax, Clarence E., to Automatic Electric Laboratories, Inc. 2,721,898, Cl. 179—7.1.
- Lomax, Clarence E., to Automatic Electric Laboratories, Inc. 2,724,741, Cl. 179—7.1.
- Lomazzo, Edmund J., to The Hydra-Feed Machine Tool Corp. 2,713,283, Cl. 82—21.
- Lombard, Adrian A., to Rolls-Royce Ltd. 2,722,801, Cl. 60—35.6.
- Lombard Corp.: *See*—  
 Grossi, Mircea A. 2,715,431.
- Lombard Governor Corp.: *See*—  
 Brown, Thomas W. 2,727,523.
- Lombardi, Ernest A.: *See*—  
 Allen, John E. 2,709,077.
- Lombardi, Oliver M. 2,725,356, Cl. 210—11.
- Lombardi, Vincent. 2,707,381, Cl. 66—171.
- Lombardi, Vincent. 2,721,460, Cl. 66—50.
- Lombardy, Frank, to Johns-Manville Corp. 2,724,671, Cl. 154—81.
- Londat Aetz Fabric Co.: *See*—  
 Weisberg, Harry. 2,724,632.
- London County Council: *See*—  
 Regan, Colston J., Stephenson, and Clements. 2,703,782.
- London, Robert E. 2,722,876, Cl. 97—47.62.
- London, Sol, to General Electric Co. 2,717,348, Cl. 318—221.
- Long, A. O., Jr.: *See*—  
 Long, Phillip A. 2,722,761.
- Long, Armistead R., deceased, and J. B. Long; P. M. Long and C. E. Mahan, executors, to The Long Co. 2,713,413, Cl. 198—203.
- Long-Bell Lumber Co., The: *See*—  
 Mottet, Arthur L. 2,700,177.
- Mottet, Arthur L., Heppenstall, and Kletsch. 2,710,276.
- Long, Bernard, to Compagnies Reunies des Glaces & Verres Speciaux du Nord de la France. 2,725,679, Cl. 49—47.
- Long, Charles W. 2,705,381, Cl. 40—28.
- Long Co., The: *See*—  
 Long, Armistead R. and J. B. 2,713,413.
- Long, Earl, to Food Machinery and Chemical Corp. 2,718,739, Cl. 55—62.
- Long, George B., to General Motors Corp. 2,701,837, Cl. 219—37.
- Long, Harry J., to Swift & Co. 2,727,273, Cl. 17—11.2.
- Long, Jasper, to Wade Electric Products Co. 2,703,395, Cl. 339—205.
- Long, Jesse. 2,716,471, Cl. 188—112.
- Long, John B.: *See*—  
 Linn, Frank F. 2,701,727.
- Long, Armistead R. and J. B. 2,713,413.
- Long, John E., to N. R. Watters. 2,713,509, Cl. 299—62.
- Long, John H.: *See*—  
 Leonard, George H., and Long. 2,718,450.
- Long, John R.: *See*—  
 Wilhelm, Harley A., and Long. 2,700,606.
- Long, John R. 2,726,543, Cl. 73—141.



- Long, King D., Jr. 2,708,442, Cl. 131—171.  
 Long, Leslie M. 2,708,356, Cl. 70—146.  
 Long, Loren M., and H. I. Scholl, to Parke, Davis & Co. 2,698,850, Cl. 260—326.  
 Long, Loren M., and H. I. Scholl, to Parke, Davis & Co. 2,698,851, Cl. 260—326.  
 Long Mfg. Co., Inc.: *See*—  
   Atkinson, Wallace E. 2,720,772.  
   Long, William R. 2,704,158.  
 Long, Marion V., to Shell Development Co. 2,718,982, Cl. 222—58.  
 Long, Marion V., and F. C. Schneider, to Shell Development Co. 2,707,440, Cl. 103—25.  
 Long, Marshall, J. M. Miller, and C. F. Rapp, to Marlen Equipment Corp. 2,708,287, Cl. 17—32.  
 Long, Oliver R. 2,724,326, Cl. 100—98.  
 Long, Pauline M.: *See*—  
   Long, Armistead R. and J. B. 2,713,413.  
 Long, Phillip A.,  $\frac{1}{2}$  to A. O. Long, Jr. 2,722,761, Cl. 38—56.  
 Long, Richard H.: *See*—  
   Postlewaite, William R., Rogers, and Long. 2,728,466.  
 Long, Richard H., to Bendix Aviation Corp. 2,703,636, Cl. 192—092.  
 Long, Robert B.: *See*—  
   Rupp, Walter H., Holder, and Long. 2,710,790.  
 Long, Robert B., and W. M. Basch, to Standard Oil Development Co. 2,701,783, Cl. 196—14.12.  
 Long, Robert S.: *See*—  
   Brody, Frederick, and Long. 2,725,377.  
 Long, Robert S., W. P. Green, Jr., and N. W. Fiess, to American Cyanamid Co. 2,721,111, Cl. 8—26.  
 Long, William J., to White Castle System, Inc. 2,727,246, Cl. 2—198.  
 Long, William J., to White Castle System, Inc. 2,728,084, Cl. 2—200.  
 Long, William L.: *See*—  
   Middleton, William H., and Long. 2,723,677.  
 Long, William R., to Long Mfg. Co., Inc. 2,704,158, Cl. 214—5.5.  
 Longacre, Andrew. 2,703,880, Cl. 343—11.  
 Longacre, Andrew, to the United States of America as represented by the Secretary of War. 2,704,843, Cl. 343—11.  
 Longan, John V. 2,708,447, Cl. 134—157.  
 Longan, John V. 2,713,867, Cl. 134—137.  
 Longbotham, Thomas. 2,722,428, Cl. 280—6.  
 Longcor, Elmer D. 2,719,746, Cl. 292—292.  
 Longford, Charles G., to Gloster Aircraft Co. Ltd. 2,723,675, Cl. 137—99.  
 Longini, Richard L., to Westinghouse Electric Corp. 2,727,157, Cl. 250—217.  
 Longini, Richard L., and D. K. Coles, to Westinghouse Electric Corp. 2,727,118, Cl. 201—63.  
 Longini, Richard L., and R. O. McIntosh, to Westinghouse Electric Corp. 2,727,173, Cl. 313—101.  
 Longley, Raymond I., Jr.: *See*—  
   Emerson, William S., and Longley. 2,700,656.  
   Morner, Richard R., and Longley. 2,717,886.  
   Park, Harold F., and Longley. 2,710,882.  
 Longley, Raymond I., Jr., to Monsanto Chemical Co. 2,727,013, Cl. 260—31.8.  
 Longstreth, Murrey O., and D. W. Ryan, to The Dow Chemical Co. 2,718,658, Cl. 18—1.  
 Longwell, Paul A.: *See*—  
   Rubin, Sylvan, Corcoran, and Longwell. 2,728,295.  
 Longyear, E. J., Co.: *See*—  
   Anderson, Olaf B. 2,710,700.  
   Pickard, Albert F. 2,716,539.  
 Lontz, John F., to E. I. du Pont de Nemours and Co. 2,718,452, Cl. 18—54.  
 Look, Alfred T., and J. N. McDonald, Jr., to The Dow Chemical Co. 2,700,657, Cl. 260—45.5.  
 Loomis, Allen P., to Honeggers' & Co., Inc. 2,708,868, Cl. 98—32.  
 Loomis Armored Car Service, Inc.: *See*—  
   Hayes, Paul, and Loomis. 2,721,030.  
 Loomis, Charles M. 2,708,522, Cl. 211—7.  
 Loomis, David G. 2,702,409, Cl. 18—12.  
 Loomis, George C.: *See*—  
   Hayes, Paul, and Loomis. 2,721,030.  
 Loomam, Alfred C., to Chilean Nitrate Sales Corp. 2,714,564, Cl. 117—107.  
 Loosli, Hermann. 2,724,505, Cl. 210—1.  
 Lootens, Ralph H., to Motor Products Corp. 2,719,905, Cl. 219—21.  
 Lopata, Ira L., to Henry and Henry, Inc. 2,702,655, Cl. 222—182.  
 Lopenski, Stanley A.: *See*—  
   Green, James H., and Lopenski. 2,716,620.  
 Loper, George B., to Socony Mobil Oil Co., Inc. 2,722,569, Cl. 179—100.2.  
 Lopez, David C. 2,727,426, Cl. 88—15.  
 Lopez-Irizarry, Ram6n. 2,712,502, Cl. 99—125.  
 Lorand, Eugene J., to Hercules Powder Co. 2,713,599, Cl. 260—618.  
 Lorand, Eugene J., to Hercules Powder Co. 2,724,729, Cl. 260—618.  
 Lorang, William J., to The Williams Mfg. Co., Inc. 2,702,733, Cl. 311—10.  
 Lorch, W. W.: *See*—  
   Sorensen, Clarence T. 2,709,575.  
 Lord, Arthur H., Jr.: *See*—  
   Herzog, Gerhard, Lord, and Pancake. 2,712,609.  
 Lord, Arthur H., Jr., to The Texas Co. 2,701,312, Cl. 250—83.6.  
 Lord & Burnham, Division of Burnham Corp.: *See*—  
   Hart, Stephen H. 2,711,138.  
 Lord, Harold W., to General Electric Co. 2,698,908, Cl. 307—107.  
 Lord, Joseph R., to Southwestern Engineering Co. 2,713,420, Cl. 209—166.  
 Lord Mfg. Co.: *See*—  
   Beck, Merrill G. 2,705,118.  
   Gensheimer, Joseph R. 2,708,351.  
 Lorence, Everett. 2,714,452, Cl. 209—106.  
 Lorence, Raymond W.: *See*—  
   Lippman, Jerome, and Lorence. 2,700,490.  
 Lorentzen, Hans K., to Lorentzen Hardware Mfg. Corp. 2,709,488, Cl. 160—176.  
 Lorentzen Hardware Mfg. Corp.: *See*—  
   Anderle, Joseph A. 2,711,029.  
   Lorentzen, Hans K. 2,709,488.  
   Nelson, Harry. 2,706,330.  
   Nelson, Harry. 2,706,521.  
   Schaller, Maurice. 2,706,592.  
   Schaller, Maurice. 2,722,363.  
   Smith, Robert L. 2,726,448.  
 Lorenz, Anton. 2,726,709, Cl. 155—106.  
 Lorenz, C., Aktiengesellschaft: *See*—  
   Lieb, Albert. 2,712,612.  
 Lorenz, Friedrich. 2,706,308, Cl. 18—5.  
 Lorenz, Lothar: *See*—  
   Bartholomé, Ernst, Lehrer, and Lorenz. 2,719,601.  
 Lorenz, Max, to Robert Bosch G. m. b. H. 2,717,968, Cl. 310—83.  
 Lorenz, Max, H. Voigt, and E. Walch, to Robert Bosch G. m. b. H. 2,723,839, Cl. 259—108.  
 Lorenz, Richard L., to General Time Corp. 2,711,790, Cl. 161—1.  
 Lorenz, Walter, to Farbenfabriken Bayer Aktiengesellschaft. 2,701,225, Cl. 167—22.  
 Lorenzen, Thorvald C. 2,727,708, Cl. 248—47.  
 Lorenzetti, Lorenzo. 2,720,581, Cl. 219—39.  
 Lorenzetto, Marcello. 2,727,225, Cl. 340—237.  
 Lorenzo, Francisco. 2,726,034, Cl. 230—241.  
 Loria, Anthony: *See*—  
   Sawdey, George W., and Loria. 2,719,086.  
 Loria, Anthony, and E. T. Pesch, to Eastman Kodak Co. 2,721,798, Cl. 95—6.  
 Loria, Anthony, J. R. Thirtle, and A. Weissberger, to Eastman Kodak Co. 2,728,659, Cl. 95—6.  
 Loria, Walter J., and J. Suhre. 2,724,262, Cl. 73—6.  
 Lorig, Edwin T., to United States Steel Corp. 2,701,430, Cl. 51—135.  
 Lorig, Edwin T., to United States Steel Corp. 2,706,625, Cl. 263—3.  
 Lorig, Edwin T., to United States Steel Corp. 2,711,815, Cl. 198—193.  
 Lorig, Edwin T., to United States Steel Corp. 2,720,692, Cl. 29—148.4.  
 Lorig, Edwin T., to United States Steel Corp. 2,727,400, Cl. 74—241.  
 Lorig, Edwin T., and W. H. Mursch, to United States Steel Corp. 2,727,780, Cl. 295—36.  
 Lorillard, P., Co.: *See*—  
   Temple, Harold F. 2,723,036.  
 Lorimer, Collins S. 2,713,432, Cl. 214—512.  
 Lorimer Hosiery Mills, Inc.: *See*—  
   Lorimer, William H. Re. 23,965.  
 Lorimer, William H., to Lorimer Hosiery Mills, Inc. Re. 23,965, Cl. 66—180.  
 Lornitzo, Frank C., to Pantex Mfg. Corp. 2,721,406, Cl. 38—41.  
 Lorooco Industries Inc.: *See*—  
   Tomarin, Harry A. 2,704,222.  
   Tomarin, Harry A. 2,712,959.  
 Lorraine Novelty Mfg. Co., Inc.: *See*—  
   Vangor, William. 2,707,138.  
 Lorusso, Daniel J., 50% to N. S. Blodgett. Re. 23,960, Cl. 250—33.57.  
 Loscher, Lily. 2,711,539, Cl. 2—93.  
 Losee, Kathryn A.: *See*—  
   Bernstein, Jack, and Losee. 2,713,049.  
   Bernstein, Jack, and Losee. 2,714,595.  
 Losee, Kathryn A., J. Bernstein, and H. L. Yale, to Olin Mathieson Chemical Corp. 2,704,754, Cl. 260—211.  
 Losee, Kathryn A., and W. A. Lott, to Olin Mathieson Chemical Corp. 2,721,208, Cl. 260—471.  
 Losey, Thomas B., to The Guiberson Corp. 2,711,939, Cl. 309—33.  
 Lostutter, Roy B., Jr., to E. C. Safftig. 2,721,722, Cl. 251—192.  
 Lot, Leon C., and A. W. Haas, to Toledo Scale Co. 2,722,227, Cl. 134—99.  
 Lothrop, Marcus: *See*—  
   Harris, Robert L., and Lothrop. 2,699,954.  
 Lothrop, Marcus, to The Yuba Mfg. Co. 2,713,329, Cl. 121—127.  
 Lott, Frank H. 2,704,319, Cl. 219—35.  
 Lott, William A.: *See*—  
   Bernstein, Jack, Lott, and Wiselogle. 2,699,448.  
   Bernstein, Jack, Lott, and Wiselogle. 2,699,449.  
   Bernstein, Jack, Lott, and Wiselogle. 2,699,450.  
   Losee, Kathryn A., and Lott. 2,721,208.  
 Lotthammer, Eric K.: *See*—  
   Cline, William B., and Lotthammer. 2,702,954.  
 Lotz, Edwin L., to Harvel Research Corp. 2,698,504, Cl. 51—207.  
 Louck, Omer D. 2,704,686, Cl. 294—66.



- Loucony, Adolphe W., to Conso Metal Products, Inc. 2,701,012, Cl. 160—176.
- Loud, Edward I., Jr., to the United States of America as represented by the Secretary of the Interior. 2,704,960, Cl. 88—29.
- Louden, Edgar W., and W. K. Holleron, to National Lead Co. 2,723,054, Cl. 222—195.
- Louden, Victor J., to General Electric Co. 2,717,355, Cl. 323—64.
- Loudon, Robert E., to Clary Corp. 2,719,938, Cl. 317—140.
- Lough, A. Vance, deceased; A. Lough, administratrix. 2,725,720, Cl. 61—29.
- Lough, Agnes: *See*—  
Lough, A. Vance. 2,725,720.
- Loughheed, Howard J.: *See*—  
Taylor, William R., and Loughheed. 2,723,415.
- Loughin, Paul R.: *See*—  
Rowand, Will H., and Loughin. 2,699,041.
- Loughlin, Bernard D., to Hazeltine Research, Inc. 2,707,206, Cl. 178—5.8.
- Loughlin, Bernard D., to Hazeltine Research, Inc. 2,722,563, Cl. 178—5.4.
- Loughlin, Bernard D., to Hazeltine Research, Inc. 2,728,813, Cl. 178—5.4.
- Loughren, Arthur V., to Hazeltine Research, Inc. 2,715,154, Cl. 178—5.4.
- Louis, Arnold S.: *See*—  
Coler, Myron A., and Louis. 2,700,719.
- Loukomsky, Serge A.: *See*—  
Butler, George D., and Loukomsky. 2,725,487.
- Lourd, Jacques L. J., ½ to Societe d'Exploitation des Proce-des Lourd. 2,700,608, Cl. 92—10.
- Lourd, Jacques L. J., ½ to Societe d'Exploitation des Proce-des Lourd. 2,725,289, Cl. 92—13.
- Louthan, Rector P.: *See*—  
Crouch, Willie W., and Louthan. 2,720,543.
- Louzecky, Paul J., and A. J. Hovde, to General Motors Corp. 2,728,331, Cl. 123—41.38.
- Love, Arthur J. 2,701,131, Cl. 259—126.
- Love, Jabez A. 2,712,718, Cl. 55—150.
- Love, John, to K. A. C. Ltd. 2,712,454, Cl. 284—4.
- Love, Phil P., to The Glacier Metal Co. Ltd. 2,710,236, Cl. 308—70.
- Love, Phil P., and D. C. Mitchell, to The Glacier Metal Co. Ltd. 2,704,234, Cl. 308—237.
- Love, William L., Jr.: *See*—  
Cannon, Paul H., and Love. 2,698,488.
- Lovegren, Kenneth W.: *See*—  
Roberts, Morris E. 2,721,588.
- Lovejoy Flexible Coupling Co.: *See*—  
Waldsmith, Cecil A. 2,721,049.
- Lovelady, Isaac W., and S. P. Kroeker, to Sivalis Tanks, Inc. 2,706,531, Cl. 183—2.7.
- Loveless, William T. 2,718,895, Cl. 124—20.
- Loveley, Joseph D., R. L. Brugler, and W. G. Miller, to Chrysler Corp. 2,717,508, Cl. 62—129.
- Lovell, Clarence A.: *See*—  
Dunlap, Kermit S., and Lovell. 2,715,658.
- Lovell, Clarence A., to Bell Telephone Laboratories, Inc. 2,717,280, Cl. 179—90.
- Lovell, Clarence A., and J. H. McGuigan, to Bell Telephone Laboratories, Inc. 2,701,279, Cl. 179—90.
- Lovell, Clarence A., and O. J. Murphy, to Bell Telephone Laboratories, Inc. 2,706,223, Cl. 179—90.
- Lovell, James K.: *See*—  
Carter, Ronald J., Gourlay, and Lovell. 2,711,416.
- Lovell, James S., to Union Carbide and Carbon Corp. 2,719,089, Cl. 106—176.
- Løvens Kemiske Fabrik ved A. Kongsted: *See*—  
Inhoffen, Hans H., and Bremer. 2,723,280.
- Lovesey, Alfred C., G. L. Wilde, and D. O. Davies, to Rolls-Royce Ltd. 2,705,590, Cl. 230—114.
- Lovett, Nicholas M., and W. G. Doyle. 2,704,060, Cl. 125—37.
- Loving, Frank A., Jr., to E. I. du Pont de Nemours and Co. 2,704,978, Cl. 102—25.
- Low, Frank D., to General Electric Co. 2,704,083, Cl. 134—183.
- Low, Richard: *See*—  
Fessler, Frank. 2,714,573.
- Low, Robert N.: *See*—  
Catry, Jean, and Low. 2,715,915.
- Catry, Jean, and Low. 2,725,080.
- Low, Robert N., and J. Catry, to Fairwest (U. K.) Ltd. 2,711,759, Cl. 139—13.
- Low, Robert N., and J. Catry, to Fairwest (U. K.) Ltd. 2,726,684, Cl. 139—13.
- Low, Arthur J., to Imperial Chemical Industries Ltd. 2,709,407, Cl. 102—24.
- Lowe, Charles E. 2,724,246, Cl. 62—115.
- Lowe, David W. 2,725,121, Cl. 188—148.
- Lowe, Earl R. 2,716,554, Cl. 279—1.
- Lowe, Edison B. 2,700,268, Cl. 56—328.
- Lowe, Edison B. 2,700,269, Cl. 56—329.
- Lowe, Edmund W., to Purdue Research Foundation. 2,717,823, Cl. 8—55.
- Lowe, Edward L. 2,728,402, Cl. 180—6.36.
- Lowe, Harold M. 2,705,567, Cl. 211—119.15.
- Lowe, Harry O., to T. B. Lowe. 2,709,003, Cl. 209—458.
- Lowe, Joe, Corp.: *See*—  
Lurie, Daniel, and Stern. 2,711,338.
- Roth, Ernest J. 2,713,950.
- Roth, Ernest J. 2,713,958.
- Lowe, Kenneth, ½ to Harry W. Ringering. 2,700,892, Cl. 73—66.
- Lowe, Mark W. 2,699,808, Cl. 146—43.
- Lowe Opta Aktiengesellschaft: *See*—  
Hensel, Bernhard. 2,708,725.
- Lowe, Paul E., and H. J. Bellarts, to the United States of America as represented by the United States Atomic Energy Commission. 2,716,530, Cl. 248—14.
- Lowe, Sydney P., to Bigelow, Inc. 2,726,580, Cl. 90—59.
- Lowe, Harry O. 2,709,003.
- Lowe, Theresa B.: *See*—  
Lowe, Wallace K., to Crucible Steel Co. of America. 2,726,490, Cl. 51—45.
- Lowe, Warren, to California Research Corp. 2,713,557, Cl. 252—32.7.
- Lowe, Warren, to California Research Corp. 2,719,827, Cl. 252—47.
- Lowe, William B.: *See*—  
Stanley, Richard W., and Lowe. 2,707,668.
- Lowell Counter Co.: *See*—  
Herlihy, William F. 2,714,733.
- Lowell, Howard C., to Patton-MacGuyer Co. 2,726,394, Cl. 1—224.
- Lowen, Herbert: *See*—  
Back, Frank G., and Lowen. 2,701,983.
- Back, Frank G., and Lowen. 2,718,817.
- Lowenstein-Lom, Walter, to Standard Oil Development Co. 2,699,429, Cl. 252—49.8.
- Lowenthal, Herman, to General Scientific Corp. 2,703,037, Cl. 88—57.
- Lowi, Leo. 2,707,473, Cl. 131—235.
- Lowitzsch, Kurt: *See*—  
Parrish, William, Lowitzsch, and Hamacher. 2,709,752.
- Lowman, John C.: *See*—  
Hedges, William D., and Lowman. 2,704,735.
- Hedges, William D., and Lowman. 2,723,962.
- Lowman, Malden C., Jr., R. R. Hughes, and A. W. Nelson, to Shell Development Co. 2,726,198, Cl. 196—77.
- Lowman, William G. 2,708,930, Cl. 128—80.
- Lown Shoes, Inc.: *See*—  
White, Samuel. 2,699,003.
- Lowry, Charles D., Jr., to Universal Oil Products Co. 2,715,073, Cl. 106—270.
- Lowry, Emroy S.: *See*—  
Godshalk, James B., and Lowry. 2,710,937.
- Lowry, Emroy S., A. Anton, and J. B. Godshalk, to Fox prod-ucts Co. 2,710,936, Cl. 320—2.
- Lowther, Wilfred W.: *See*—  
Lunn, Robert J., and Lowther. 2,703,192.
- Loxley, Michael J.: *See*—  
Fleming, William, and Loxley. 2,715,313.
- Loy, Lee C. 2,709,849, Cl. 30—47.
- Loyles, Rudolph O., and J. W. Walker. 2,716,977, Cl. 126—360.
- Lozeau, Homer A.: *See*—  
Wheat, Grant, and Lozeau. 2,709,238.
- Lubben, Gerrit J., and M. Plak, to Hartford National Bank and Trust Co., trustee. 2,710,379, Cl. 333—82.
- Lubeke, Harry R., to General Teleradio, Inc. 2,699,520, Cl. 315—22.
- Lübeck, Carl H. O. 2,699,211, Cl. 164—124.
- Luber-Finer Inc.: *See*—  
Russell, John K. 2,713,423.
- Russell, John K., and Boggs. 2,709,524.
- Lube-Tube Corp.: *See*—  
Gale, Jay B. 2,711,849.
- Lubin, Hilliard L., and G. C. Fonda. 2,717,448, Cl. 33—76.
- Lubkin, Samuel, to Underwood Corp. 2,717,375, Cl. 340—250.
- Lublin, Stig M. H. 2,724,150, Cl. 20—1.126.
- Lubri-Case Inc.: *See*—  
Foucry, Jean X., and Steinmetz. 2,707,159.
- Lubrizol Corp., The: *See*—  
Asseff, Peter A., Mastin, and Rhodes. 2,723,234.
- Asseff, Peter A., Mastin, and Rhodes. 2,723,235.
- Asseff, Peter A., Mastin, and Rhodes. 2,723,236.
- Craig, Willis G. 2,724,726.
- Craig, Willis G., and Higgins. 2,724,725.
- Craig, Willis G., and Higgins. 2,727,073.
- Craig, Willis G., and Miller. 2,727,067.
- Lubs, Herbert A., and M. F. Sartori, to E. I. du Pont de Nemours & Co. 2,720,528, Cl. 260—305.
- Lucas, Gordon B., to The Richardson Co. 2,703,336, Cl. 136—146.
- Lucas, Guy L., W. D. Edwards, and R. S. Chaffin, to Trail Lock Corp. 2,706,392, Cl. 70—232.
- Lucas, Emil A.: *See*—  
Hirsch, Marx, Bacon, and Lucas. 2,722,471.
- Lucas, Gladys P. 2,722,685, Cl. 2—49.
- Lucas, Henry. 2,721,534, Cl. 118—255.
- Lucas, Jack J., to Zenith Radio Corp. 2,727,213, Cl. 333—29.
- Lucas, Joseph (Industries) Ltd.: *See*—  
Downing, Eric W. 2,704,055.
- Fleming, William, and Loxley. 2,715,313.
- Harris, Thomas A. 2,707,021.
- Harris, Thomas A. 2,725,040.
- Harris, Thomas A. 2,727,525.
- Laird, John A. 2,717,337.
- Parkes, Eric B. 2,722,708.
- Warne, Eugene H. 2,712,219.



- Lucas, Joseph, Ltd.: *See*—  
 Bottoms, Charles H. 2,717,490.  
 Downing, Eric W. 2,720,842.  
 Ifield, Richard J. 2,712,300.  
 Ifield, Richard J. 2,722,894.  
 Robinson, Charles E., and Rock. 2,728,033.  
 Yardley, Alfred H. 2,707,256.
- Lucas, Joseph E.,  $\frac{1}{10}$  to W. E. Hann. 2,724,196, Cl. 37—190.
- Lucas, Lyle E. 2,715,654, Cl. 174—77.
- Lucas, Owen D. 2,706,213, Cl. 130—100.
- Lucas, Zollie E., to Knox Glass Bottle Co. 2,724,329, Cl. 101—126.
- Lucas, Walter F. 2,718,412, Cl. 281—6.
- Lucchesi, Gene A. 2,715,906, Cl. 129—24.
- Lucchetti, Albert. 2,706,866, Cl. 43—15.
- Luce, George E., to Blue Bird Body Co. 2,709,494, Cl. 180—68.5.
- Luce, John S., to the United States of America as represented by the United States Atomic Energy Commission. 2,700,107, Cl. 250—41.9.
- Luce, John S., to the United States of America as represented by the United States Atomic Energy Commission. 2,704,335, Cl. 313—63.
- Luce, Richard W., and H. O. Engstrom. 2,706,138, Cl. 311—77.
- Luce, Stewart B., to Swift & Co. 2,698,801, Cl. 99—109.
- Luce, Stewart B., to Swift & Co. 2,709,162, Cl. 260—78.3.
- Lucey, Cornelius A., to Sterling Drug Inc. 2,726,885, Cl. 286—33.
- Luchansky, Andrew J., to Progressive Specialties. 2,728,130, Cl. 28—39.
- Luchs, Morton G., to J. W. Landenberger & Co. 2,724,195, Cl. 36—10.
- Lucht, Orren J. 2,720,110, Cl. 73—66.
- Lucia, Carroll J.: *See*—  
 Horton, Winthrop S., and Lucia. 2,701,630.
- Lucia, Carroll J., to Studebaker-Packard Corp. 2,728,241, Cl. 74—336.
- Lucia, Carroll J., to Studebaker-Packard Corp. 2,728,427, Cl. 192—033.
- Lucien, Rene, to Societe d'Inventions Aeronautiques et Mechaniques S. I. A. M. 2,717,002, Cl. 137—620.
- Lucien, René, to Societe d'Inventions Aeronautiques et Mechaniques S. I. A. M. 2,722,890, Cl. 103—42.
- Lucius, Joshua A., Jr., and W. N. Merrick. 2,702,628, Cl. 209—107.
- Luczek, Walter: *See*—  
 Luck, David G. C., to Radio Corp. of America. 2,717,735, Cl. 235—61.
- Luck, Milton W.: *See*—  
 Kleckner, Marion B., and Luck. 2,713,985.
- Lucker, Basil F. 2,723,514, Cl. 51—277.
- Luckhardt, Johannes, to N. P. Martin and O. L. Walter, as trustees of Epsilon Trust. 2,710,645, Cl. 155—110.
- Ludeman, Clifford G.: *See*—  
 Teichmann, Charles F., and Ludeman. 2,702,790.  
 Teichmann, Charles F., and Ludeman. 2,702,791.  
 Teichmann, Charles F., Ludeman, and Garrison. 2,702,789.
- Ludi & Cie, Metallwarenfabriken: *See*—  
 Bruggmann, Albert. 2,709,809.
- Ludington, Emerson N., to Bridgeport Brass Co. 2,723,925, Cl. 134—3.
- Ludka, William R.: *See*—  
 Giesse, Robert C., and Ludka. 2,703,274.
- Ludlow, John L.: *See*—  
 Watson, Frederick K., and Ludlow. 2,714,097.  
 Watson, Frederick K., Ludlow, and Kateley. 2,714,075.
- Ludowici, Johann W. 2,722,040, Cl. 20—1.
- Ludowici, Johann W. 2,723,473, Cl. 37—192.
- Ludwig, Bernard J.: *See*—  
 Berger, Frank M., and Ludwig. 2,724,720.
- Ludwig, Carl. 2,708,595, Cl. 299—24.
- Ludwig, Donald C., and G. W. Schatzman, to Houdaille-Hershey Corp. 2,700,553, Cl. 280—153.
- Ludwig Hommel & Co.: *See*—  
 Donovan, Robert T. 2,698,637.
- Ludwig, James F.: *See*—  
 Purdy, Rolland M., and Ludwig. 2,699,158.
- Ludwig, Milton: *See*—  
 Parsons, Charles H., and Ludwig. 2,707,095.
- Ludwig, Milton, to California Research Corp. 2,727,470, Cl. 103—223.
- Ludwig, Paul W. 2,722,956, Cl. 144—118.
- Ludwig, Walter L., to International Latex Corp. 2,709,006, Cl. 211—118.
- Ludwig, Wilhelm. 2,707,754, Cl. 307—114.
- Ludwigson, Harold E.: *See*—  
 Ludwigson, Mabel T. and H. E. 2,707,112.
- Ludwigson, Mabel T. and H. E. 2,707,112, Cl. 280—221.
- Luebking, Walter C., to Collins Radio Co. 2,710,935, Cl. 318—372.
- Lueck, Chester G. 2,720,210, Cl. 134—94.
- Lueck, Irving B., to Bausch & Lomb Optical Co. 2,712,180, Cl. 33—174.
- Lueck, Irving B., to Bausch & Lomb Optical Co. 2,723,594, Cl. 88—56.
- Lueck, Irving B., and G. C. Schelling, to Bausch & Lomb Optical Co. 2,723,501, Cl. 51—101.
- Luenberger, Frederick O., to U. S. Electrical Motors, Inc. 2,721,774, Cl. 308—160.
- Luenberger, Frederick O., to U. S. Electrical Motors, Inc. 2,727,795, Cl. 308—160.
- Luertzing, Paul R. and W. O., to Transparent Containers, Inc. 2,708,050, Cl. 215—40.
- Luertzing, Walter O.: *See*—  
 Luertzing, Paul R. and W. O. 2,708,050.
- Lufkin Rule Co., The: *See*—  
 Zelnick, Charles. 2,713,206.  
 Zelnick, Charles. 2,726,626.  
 Zelnick, Charles. 2,727,701.
- Luger, Kenneth E. 2,713,505, Cl. 292—106.
- Lugosch, Karl E., to Bendix Aviation Corp. 2,707,265, Cl. 323—56.
- Lugsdin, Frank E.: *See*—  
 Smith, George F., and Lugsdin. 2,723,421.
- Luhn, Hans P., to International Business Machines Corp. 2,702,621, Cl. 197—81.
- Luhn, Hans P., to International Business Machines Corp. 2,717,121, Cl. 235—145.
- Luhn, Hans P., to International Business Machines Corp. 2,720,360, Cl. 235—61.7.
- Luhn, Hans P., to International Business Machines Corp. 2,723,801, Cl. 235—61.
- Luhn, Hans P., to International Business Machines Corp. 2,723,849, Cl. 271—14.
- Luhn, Hans P., to International Business Machines Corp. 2,726,860, Cl. 271—3.
- Luhn, Hans P., to International Business Machines Corp. 2,727,688, Cl. 235—145.
- Luhn, Hans P., and R. L. Johnson, to International Business Machines Corp. 2,717,733, Cl. 235—59.
- Luhr, Dorothy C. 2,701,925, Cl. 36—72.
- Luhrs, Charles H., to General Precision Laboratory Inc. 2,719,274, Cl. 333—98.
- Luipersbek, Frank. 2,713,753, Cl. 47—38.
- Luke, Albert R. J. 2,712,838, Cl. 140—115.
- Luke, Leo C., to International Steel Co. 2,721,404, Cl. 37—124.
- Luke, Oren V.: *See*—  
 Mitchell, Robert L., and Luke. 2,714,604.
- Luke, Roy. 2,726,597, Cl. 99—405.
- Lukens, Bert B. 2,725,694, Cl. 51—193.5.
- Lukens, David L., to McLaney Mfg. Corp. 2,715,434, Cl. 155—131.
- Lukens, Harold C., and R. P. MacKenzie, to the United States of America as represented by the Secretary of Agriculture. 2,701,502, Cl. 88—14.
- Lukens, Hiram S., to the United States of America as represented by the Secretary of War. 2,705,830, Cl. 29—195.
- Lukens, Maude M. 2,714,740, Cl. 15—257.
- Lukens Steel Co.: *See*—  
 Charlton, Edward J. 2,709,047.  
 Cirrito, Anthony J., and Weaver. 2,710,457.  
 Daly, James A., Jr. 2,716,291.  
 Edwards, Lewis W. 2,701,105.  
 Hursh, Robert W. 2,716,494.  
 Watson, Thomas T. 2,707,323.  
 Watson, Thomas T., and Riggall. 2,711,966.  
 White, Robert E., and Cirrito. 2,724,909.
- Lukes, Adolph F. 2,712,475, Cl. 302—49.
- Lukes, George E.: *See*—  
 Jones, Robert H., Lukes, and Bashour. 2,701,253.
- Luketa, Frank J. 2,720,251, Cl. 155—188.
- Lukoff, Herman: *See*—  
 Gordon, Bernard M., and Lukoff. 2,709,747.  
 Gordon, Bernard M., and Lukoff. 2,719,226.
- Lukon, Inc.: *See*—  
 Day, Edward J. 2,714,582.
- Luksch, Andreas, and R. C. Peabody, to G. H. Tennant Co. 2,701,377, Cl. 15—49.
- Lull, Le Grand H., to 1250 West 80th Street Corp. 2,720,993, Cl. 214—670.
- Lulofs, Warner, to Hartford National Bank and Trust Co., trustee. 2,719,186, Cl. 178—69.
- Lum, Funston G.: *See*—  
 Carlston, Earl F., and Lum. 2,715,620.
- Lumalampan Aktiebolag: *See*—  
 Alm, Karl M., and Oghammar. 2,699,630.  
 Holm, Erik G. 2,710,912.
- Lumberteria, Inc.: *See*—  
 Schloss, Dan, and Houtz. 2,708,276.
- Luminous Processes, Inc.: *See*—  
 Fordyce, Rufus G., and Rugh. 2,716,076.
- Lummus Co., The: *See*—  
 Bloomer, Ward J. 2,711,214.  
 Bloomer, Ward J. 2,726,196.  
 Bloomer, Ward J., and Davis. 2,718,757.  
 Lambert, Pierre. 2,725,342.  
 Lambert, Pierre. 2,725,343.  
 Nirenberg, Lester. 2,726,734.  
 Schauble, Otto C., Mekler, Palchik, and Bogart. 2,718,216.  
 Schutte, August H. 2,698,740.  
 Schutte, August H. 2,701,788.
- Lummus Cotton Gin Co.: *See*—  
 Van Doorn, Donald W. 2,715,246.
- Lummus, James L.: *See*—  
 Davis, Robert W., and Lummus. 2,705,050.
- Lumsden, Andrew J. 2,708,841, Cl. 66—132.
- Luna, Herbert T., and W. W. Fox,  $\frac{1}{4}$  to G. A. Sherman,  $\frac{1}{4}$  to H. T. Luna,  $\frac{1}{4}$  to W. W. Fox, and  $\frac{1}{4}$  to J. E. Guyer. 2,706,567, Cl. 214—302.
- Lund, Alvin O.: *See*—  
 Esselman, Walter H., and Lund. 2,722,647.
- Lund, Arthur D., to Gould-National Batteries, Inc. 2,727,287, Cl. 22—58.



- Lund, Endre O. 2,702,213, Cl. 305—10.  
 Lunde, Einar O., to Magor Car Corp. 2,699,126, Cl. 105—273.  
 Lund, Gust G. 2,723,788, Cl. 223—107.  
 Lund, Harold, to A. O. Smith Corp. 2,716,690, Cl. 219—10.  
 Lund, James K., to The Dole Valve Co. 2,712,324, Cl. 137—606.  
 Lund, Walter W.: *See*—  
   Tatom, Raymond F., Butler, Lee, and Lund. 2,726,056.  
 Lundberg, Lennart A., to American Cyanamid Co. 2,712,002, Cl. 260—248.  
 Lundberg, Roland O. 2,716,908, Cl. 76—40.  
 Lundgren, Gustaf P. H. 2,717,412, Cl. 16—140.  
 Lundgren, Harold P.: *See*—  
   Rose, William G., and Lundgren. 2,717,194.  
 Lundgren, Harold P., C. H. Binkley, and A. S. Yeiser, to the United States of America as represented by the Secretary of Agriculture. 2,715,592, Cl. 117—139.5.  
 Lundgren, Karl I., to Aktiebolaget Atlas Diesel. 2,712,952, Cl. 287—1.  
 Lundgren, Robert. 2,719,724, Cl. 280—11.23.  
 Lundgren, William E., to The Bullard Clark Co. 2,702,055, Cl. 139—263.  
 Lundin, Harald, deceased; H. M. Lundin, executrix,  $\frac{1}{2}$  to H. M. Lundin and  $\frac{1}{2}$  to B. Waller. 2,708,304, Cl. 29—196.2.  
 Lundin, Helen M.: *See*—  
   Lundin, Harald. 2,708,304.  
 Lundkvist, Karl A., and E. A. Wiberg, to Telefonaktiebolaget L. M. Ericsson. 2,718,559, Cl. 179—27.54.  
 Lundman, Ben E. 2,718,340, Cl. 223—88.  
 Lundquist, Axel E. 2,724,573, Cl. 255—41.  
 Lundqvist, Dick O. R. 2,720,573, Cl. 201—63.  
 Lundquist, Ingemar, to Monroe Calculating Machine Co. 2,710,405, Cl. 235—63.  
 Lundquist, Richard C., and C. E. Andershock, to Goodman Mfg. Co. 2,711,907, Cl. 280—106.  
 Lundsted, Lester G., and J. P. McMahon, to Wyandotte Chemicals Corp. 2,718,509, Cl. 260—33.2.  
 Lundy, Arthur J., to Short Brothers & Harland Ltd. 2,725,738, Cl. 68—256.  
 Lundy, Beverly A., Jr.: *See*—  
   Lavarack, Frederick C., Hussey, and Lundy. 2,713,102.  
 Lundy, Robert R. 2,705,834, Cl. 30—357.  
 Lunge, George S.: *See*—  
   Lynch, Edward E., and Lunge. 2,701,329.  
 Lunger, David R. 2,716,329, Cl. 60—35.6.  
 Luning, George A., to International Business Machines Corp. 2,720,832, Cl. 101—93.  
 Luning, George W.: *See*—  
   Siekman, Harold J., and Luning. 2,728,254.  
 Lunn, Robert J., and W. W. Lowther, to Donaldson Co., Inc. 2,703,192, Cl. 222—318.  
 Lupercio, Clifford S.: *See*—  
   Thomas, Robert L. 2,715,937.  
 Lupfer, George L., to The Standard Oil Co. Re. 23,983, Cl. 73—299.  
 Lupfer, George L., and R. G. Atkinson, to The Standard Oil Co. 2,723,758, Cl. 210—52.5.  
 Lupo, John M., Jr., to Direct Reproduction Corp. 2,716,060, Cl. 95—7.  
 Lupo, John M., Jr., to Direct Reproduction Corp. 2,716,061, Cl. 95—7.  
 Lupton, Clark R., C. W. Trautman, and W. H. Weber, to Bendix Aviation Corp. 2,726,974, Cl. 154—1.  
 Luque, José A. 2,699,379, Cl. 23—271.  
 Luria Engineering Corp.: *See*—  
   Strobel, Peter A., and McPhee. 2,718,036.  
 Luria Steel & Trading Corp.: *See*—  
   Tripp, Burrell H. 2,713,924.  
 Lurie, Daniel, and B. Stern, to Joe Lowe Corp. 2,711,338, Cl. 294—87.  
 Lurie, David, to American Cyanamid Co. 2,711,370, Cl. 92—21.  
 Lurie, David, to American Cyanamid Co. 2,711,371, Cl. 92—21.  
 Luscher, Leber & Co. A. G.: *See*—  
   Hunziker, Emil. 2,723,127.  
 Luscombe, Edgar A., to Miehle Printing Press and Mfg. Co. 2,701,523, Cl. 101—364.  
 Luscombe, Edgar A., to Miehle Printing Press and Mfg. Co. 2,713,823, Cl. 101—285.  
 Luse, Joseph R. 2,709,265, Cl. 6—2.  
 Lushbough, Channing H., and P. G. Miller, to Carnation Co. 2,726,959, Cl. 99—134.  
 Lushenko, Gordon. 2,704,047, Cl. 116—124.  
 Lusk, Hilton F. 2,708,367, Cl. 73—379.  
 Lusk, T. Arthur: *See*—  
   Lusk, Wylie F. 2,715,476.  
 Lusk, Wylie F., 10% to W. H. Lusk, 10% to T. A. Lusk, and 10% to J. Solomon. 2,715,476, Cl. 220—52.  
 Lusk, Wylie H.: *See*—  
   Lusk, Wylie F. 2,715,476.  
 Luskin, Leo S.: *See*—  
   De Benneville, Peter L., and Luskin. 2,719,156.  
 Lust, Harold W. 2,727,809, Cl. 23—259.3.  
 Lustbader, Samuel, to Associated Development & Research Corp. 2,707,292, Cl. 15—105.  
 Lustig, Edgar, to Century Lighting, Inc. 2,720,613, Cl. 317—99.  
 Lustig, Hans G.: *See*—  
   Edelman, Abraham, Roughsedge, and Lustig. 2,711,093.  
   Edelman, Abraham, Roughsedge, and Lustig. 2,711,094.  
 Lustig, Jacob. 2,699,779, Cl. 128—268.  
 Lustig, Ludwig, to Diesel Dynamics Corp. 2,703,565, Cl. 126—116.  
 Lutgerhorst, Albertus G., to N. V. Onderzoekingsinstituut Research. 2,727,804, Cl. 8—109.  
 Luther, Glenn C., to The Olm Co. 2,710,567, Cl. 93—93.  
 Luther, Herbert G., to Chas. Pfizer & Co., Inc. 2,703,285, Cl. 99—2.  
 Luther, Martin W.: *See*—  
   Harper, James I., and Luther. 2,706,167.  
 Luther, Martin W., to Sun Oil Co. 2,724,508, Cl. 210—178.  
 Luthi, Alfred F., to Luthi Machinery & Engineering Co., Inc. 2,727,647, Cl. 216—44.  
 Luthi Machinery & Engineering Co., Inc.: *See*—  
   Luthi, Alfred F. 2,727,647.  
   Warren, George E., and Purvis. 2,721,594.  
 Luthman, Paul A.: *See*—  
   Tice, Bruce K., and Luthman. 2,720,160.  
   Tice, Bruce K., and Luthman. 2,722,096.  
 Lutschg, Jerrold D. 2,706,337, Cl. 33—97.  
 Lutsey, Thomas: *See*—  
   Christman, Peter J. 2,704,041.  
 Lutton, Clifford L. 2,718,378, Cl. 254—190.  
 Lutton, Clifford L. 2,718,425, Cl. 294—81.  
 Lutton, Clifford L. 2,721,054, Cl. 254—194.  
 Lutyens, John L., and J. W. Pratt, to United Shoe Machinery Corp. 2,722,022, Cl. 12—8.8.  
 Lutz, Irvin H., O. W. Collier, and D. J. Bellman, to The American Oil Co. 2,717,231, Cl. 196—50.  
 Lutz, Irving, and J. H. Silverman; said Silverman assor. to said Lutz. 2,715,161, Cl. 179—84.  
 Lutz, Samuel G. 2,706,777, Cl. 250—20.  
 Lutzke, Vance: *See*—  
   Adams, Cleo M., and Lutzke. 2,707,967.  
 Lutz, William A., and J. D. Maitland, to Dorr-Oliver Inc. 2,723,562, Cl. 73—231.  
 Luvisi, George W.: *See*—  
   Jacoby, Arthur L., and Luvisi. 2,723,959.  
 Lux, John H., and K. Parker, to Witco Chemical Co. 2,699,428, Cl. 252—35.  
 Lyall, John D., to Armstrong Cork Co. 2,703,206, Cl. 241—34.  
 Lyddon, Percy E., to Morganite Inc. 2,714,028, Cl. 288—13.  
 Lydfors, John. 2,706,082, Cl. 235—79.  
 Lydic, William K.: *See*—  
   Biefeld, Lawrence P., and Lydic. 2,723,215.  
 Lydon, John E. 2,708,469, Cl. 152—157.  
 Lyyjnen, Fred, and A. W. Prance, to Briggs Mfg. Co. 2,699,416, Cl. 154—106.  
 Lykken, Henry G. 2,708,654, Cl. 202—131.  
 Lykken, Henry G., to The Microcyclomat Co. 2,717,741, Cl. 241—19.  
 Lykken, Henry G., and T. A. Rozsa, to The Microcyclomat Co. 2,728,456, Cl. 209—139.  
 Lyles, George D. 2,28,574, Cl. 272—48.  
 Lyman Gun Sight Corp.: *See*—  
   Plummer, John L. 2,715,276.  
 Lyman, Homer F. 2,706,990, Cl. 134—95.  
 Lyman, Joseph, and J. J. Caldwell, Jr., to The Sperry Corp. 2,713,121, Cl. 250—33.65.  
 Lyman, Samuel E., to Buensod-Stacy, Inc. 2,718,840, Cl. 98—38.  
 Lyman, Samuel E., to Buensod-Stacey, Inc. 2,720,150, Cl. 98—38.  
 Lyman, Wendell G., to D. P. Harris Hardware & Mfg. Co., Inc. 2,702,725, Cl. 301—59.  
 Lynch, Addison H., and W. B. Miller, to Celanese Corp. of America. 2,711,559, Cl. 18—8.  
 Lynch, Charles S.: *See*—  
   Hill, Ralph M., and Lynch. 2,709,645.  
 Lynch, Charles S., to Phillips Petroleum Co. 2,714,586, Cl. 260—96.5.  
 Lynch Corp.: *See*—  
   Hendricks, Alvin F. 2,725,154.  
   Johnson, Charles A. E. 2,701,448.  
 Lynch, Edmund: *See*—  
   Francis, Charles B., and Lynch. 2,709,143.  
 Lynch, Edward A.,  $\frac{1}{4}$  to D. F. Pierce. 2,720,925, Cl. 166—176.  
 Lynch, Edward E., to General Electric Co. 2,712,610, Cl. 250—83.6.  
 Lynch, Edward E., and G. S. Lunge, to General Electric Co. 2,701,329, Cl. 318—30.  
 Lynch, Henry L., and T. A. Rybeck, to A. O. Smith Corp. 2,722,028, Cl. 15—21.  
 Lynch, Leslie S., Jr., to Rudo Associates. 2,700,723, Cl. 219—43.  
 Lynch, Leslie S., Jr., to Rudo Associates. 2,700,724, Cl. 219—43.  
 Lynch, Thomas W.: *See*—  
   Romo, Paul C., and Lynch. 2,705,417.  
 Lyn-Chicago Corp.: *See*—  
   La Tour, Clifford S. 2,724,894.  
 Lynd, Langtry E., and L. Merker, to National Lead Co. 2,723,916, Cl. 106—42.  
 Lynden, Charles P. 2,702,917, Cl. 15—230.  
 Lynes, Roberts K. 2,720,257, Cl. 158—99.  
 Lynn, Edwin W., to Celluplastic Corp. 2,709,436, Cl. 128—261.  
 Lynn, William, to Eastman Kodak Co. 2,701,245, Cl. 260—89.5.  
 Lyon, Ashton M., and T. F. Rutledge, to Air Reduction Co., Inc. 2,724,008, Cl. 260—678.  
 Lyon, Clifford B., to Fingerprint Identification Service Co. 2,723,476, Cl. 41—1.



- Lyon, Dean A. 2,704,265, Cl. 117—138.8.  
 Lyon, Floyd A.: *See—*  
     Halahan, John, Aronson, and Lyon. 2,726,798.  
     Halahan, John, Lyon, and Aronson. 2,704,209.  
 Lyon, George A. 2,698,989, Cl. 29—152.2.  
 Lyon, George A. 2,699,359, Cl. 301—37.  
 Lyon, George A. 2,699,632, Cl. 51—193.  
 Lyon, George A. 2,700,354, Cl. 113—116.  
 Lyon, George A. 2,701,037, Cl. 188—264.  
 Lyon, George A. 2,705,172, Cl. 301—37.  
 Lyon, George A. 2,707,449, Cl. 113—116.  
 Lyon, George A. 2,710,502, Cl. 51—281.  
 Lyon, George A. 2,711,930, Cl. 301—37.  
 Lyon, George A. 2,711,993, Cl. 204—203.  
 Lyon, George A. 2,713,511, Cl. 301—37.  
 Lyon, George A. 2,713,512, Cl. 301—37.  
 Lyon, George A. 2,713,513, Cl. 301—37.  
 Lyon, George A. 2,713,514, Cl. 301—37.  
 Lyon, George A. 2,713,515, Cl. 301—37.  
 Lyon, George A. 2,713,516, Cl. 301—37.  
 Lyon, George A. 2,713,517, Cl. 301—37.  
 Lyon, George A. 2,713,518, Cl. 301—37.  
 Lyon, George A. 2,713,519, Cl. 301—37.  
 Lyon, George A. 2,714,041, Cl. 301—37.  
 Lyon, George A. 2,717,059, Cl. 188—264.  
 Lyon, George A. 2,721,652, Cl. 206—3.  
 Lyon, George A. 2,722,459, Cl. 301—37.  
 Lyon, George A. 2,725,258, Cl. 301—37.  
 Lyon, George A. 2,726,181, Cl. 148—21.55.  
 Lyon, George A. 2,726,741, Cl. 188—264.  
 Lyon, George A., Jr. 2,700,284, Cl. 65—15.  
 Lyon, Norman W., and R. A. Labine, to Package Machinery Co. 2,727,344, Cl. 53—111.  
 Lyon, Wiley L. 2,728,345, Cl. 131—1.  
 Lyons, Edmund A. 2,704,462, Cl. 74—217.  
 Lyons, Frank H., to E. L. Bruce Co. 2,711,987, Cl. 167—31.  
 Lyons, Fred G. 2,714,323, Cl. 81—165.  
 Lyons, Harold, and B. F. Husten. 2,699,503, Cl. 250—36.  
 Lyons, Herbert R., to The Diamond Match Co. 2,699,098, Cl. 93—1.  
 Lyons, Herbert R., to The Diamond Match Co. 2,699,142, Cl. 118—267.  
 Lyons, J., & Co. Ltd.: *See—*  
     Douglass, Philip G. 2,713,412.  
 Lyons, Joseph F., and T. C. Heisig, to The Texas Co. 2,721,846, Cl. 252—49.6.  
 Lyons, Robert J. 2,698,440, Cl. 4—254.  
 Lyons, Robert J. 2,725,003, Cl. 94—36.  
 Lyot, Bernard F. 2,718,170, Cl. 88—14.  
 Lysett, Daniel W., to Borg-Warner Corp. 2,720,958, Cl. 192—109.  
 Lysholm, Alf, G. K. W. Boestad, and H. R. Nilsson, to J. C. Marble, L. M. Merrill, and P. H. Batten, trustees. 2,720,935, Cl. 181—56.  
 Lytle, Melba L., to Esso Research and Engineering Co. 2,721,175, Cl. 252—8.55.  
 Lytle, Melba L., to Esso Research and Engineering Co. 2,723,233, Cl. 252—8.55.  
 Lytle, William O., to Pittsburgh Plate Glass Co. 2,724,658, Cl. 117—54.  
 Lytle, William W.: *See—*  
     Jenny, Albert C. 2,710,606.  
     Jenny, Albert C. 2,711,724.  
 Lytle, Bradford. 2,722,286, Cl. 184—103.  
 Lytle, Douglas A.: *See—*  
     Hogg, John A., Nathan, Lytle, and Hanze. 2,701,808.  
     Nathan, Alan H., Hogg, and Lytle. 2,713,588.  
 Lytle, Douglas A., and R. H. Levin, to The Upjohn Co. 2,705,720, Cl. 260—397.3.  
 Lytton, Marion R., to American Viscose Corp. 2,721,849, Cl. 260—2.  
 MB Mfg. Co., Inc.: *See—*  
     Unholtz, Karl. 2,705,761.  
     Unholtz, Karl. 2,706,400.  
 M & D Display Mfg. Corp.: *See—*  
     Mapson, Donald L. 2,720,795.  
 M. E. P. Co. Ltd.: *See—*  
     Guthrie, Charles G. 2,722,295.  
 M. L. & B. Jalousie Co.: *See—*  
     Johnson, Clark F. 2,708,295.  
 M. P. H. Industries: *See—*  
     Marihart, Leo A. 2,700,923.  
 M & R Dietetic Laboratories, Inc.: *See—*  
     McMaster, Robert C., and Robinson. 2,721,941.  
 M. R. M. Machinery Co., Inc.: *See—*  
     Manas, Herman D. 2,725,156.  
 M and W Co., Inc.: *See—*  
     Amo, Ivan J. 2,698,460.  
     Wilson, James S. 2,698,464.  
 M. and W. Patents Ltd.: *See—*  
     Miller, Albert A. 2,701,974.  
 Maag, Albert. 2,726,856, Cl. 266—27.  
 Maag, Walter: *See—*  
     Geiger, Emil, and Maag. 2,703,883.  
 Maas, Fred L., to Paper Novelty Mfg. Co. 2,704,904, Cl. 41—11.  
 Maas, Ronald H. 2,708,775, Cl. 20—57.5.  
 Maas-Rowe Electromusic Corp.: *See—*  
     Rowe, Paul H. 2,703,504.  
 Maass, Edward W., to American Optical Co. 2,701,192, Cl. 51—298.  
 Maatman, Egbert J., to American Steel Foundries. 2,702,512, Cl. 105—197.  
 Maberry, Garland A. 2,716,737, Cl. 339—31.  
 Mabry, Delord R. 2,724,388, Cl. 131—7.  
 Maca, Paul: *See—*  
     Sommer, Kurt, and Maca. 2,725,691.  
 MacAdams, Jesse E., deceased, by J. E. Hutchinson, administrator. 2,712,790, Cl. 102—70.  
 Macallum, Ernest N.: *See—*  
     Delmar, Geza S., and Macallum. 2,715,141.  
 Macardier, Louis P., to Compagnie Generale d'Electricite. 2,707,722, Cl. 174—22.  
 Macardier, Louis, to Compagnie Generale d'Electricite. 2,720,552, Cl. 174—163.  
 Macardier, Louis, to Compagnie Generale d'Electricite. 2,726,182, Cl. 154—2.21.  
 MacArthur, George W. 2,727,544, Cl. 144—290.  
 Macaulay, John G. 2,704,426, Cl. 51—168.  
 Macaulay, William R., and H. F. Anderson, to The American Brass Co. 2,708,254, Cl. 317—137.  
 MacCaffray, Rex S., to the United States of America as represented by the Secretary of the Army. 2,713,320, Cl. 118—413.  
 Maccarone, Fred. 2,707,342, Cl. 36—58.5.  
 MacCarthy, Donald W. 2,706,367, Cl. 51—148.  
 MacCharles, Arthur W. 2,721,013, Cl. 223—91.  
 MacChesney, Chester M. 2,709,624, Cl. 299—105.  
 MacCracken, Calvin D., to Jet-Heet, Inc. 2,705,530, Cl. 158—4.  
 Macdonald, Angus A., to Westinghouse Electric Corp. 2,703,825, Cl. 179—171.  
 Macdonald, Dennison H.: *See—*  
     Hazard, Charles S., and Macdonald. 2,727,392.  
 Macdonald, Eric: *See—*  
     Ganguin, Karl O., and Macdonald. 2,708,136.  
 Macdonald, Ervin D.: *See—*  
     Hammond, Edmund B., Jr., and Macdonald. 2,718,355.  
 Macdonald, James L., to Ford Motor Co. 2,699,031, Cl. 56—364.  
 Macdonald, Kenneth W., to Troy Blanket Mills. 2,712,213, Cl. 57—1.  
 Macdonald, Leslie A., and L. H. Kelly, to American District Telegraph Co. 2,715,191, Cl. 310—26.  
 Macdonald, Lester S., to United Shoe Machinery Corp. 2,719,992, Cl. 12—97.  
 Macdonald, Walter. 2,704,863, Cl. 19—131.  
 Macdonald, Walter A.: *See—*  
     Cahoon, Edward F., Holland, and Macdonald. 2,711,442.  
 MacDonnell, James A., to Gilbert & Barker Mfg. Co. 2,721,572, Cl. 137—102.  
 MacDougall, Donald J., to Electronics Corp. of America. 2,714,160, Cl. 250—27.  
 MacDougall, Donald J., and E. C. Thomson, to Electronics Corp. of America. 2,710,365, Cl. 315—159.  
 MacDougall, Franklin M., to Alco Valve Co. 2,702,723, Cl. 297—3.  
 MacDougall, Franklin M., to Alco Valve Co. 2,708,090, Cl. 251—16.  
 MacDuff, Stanley I., to Bendix Aviation Corp. 2,712,940, Cl. 274—10.  
 Macek, Matt, Jr.: *See—*  
     Macek, Matt, Sr. 2,704,189.  
 Macek, Matt, Sr., to M. Macek, Jr. 2,704,189, Cl. 241—245.  
 Macewka, John. 2,698,603, Cl. 121—38.  
 Macewka, John. 2,709,212, Cl. 219—4.  
 Macey Co.: *See—*  
     Zugel, Victor A., and Heigl. 2,702,189.  
 MacFarland, Allison M., to General Dry Batteries, Inc. 2,704,780, Cl. 136—107.  
 MacFarlane, Donald R., to Western Electric Co., Inc. 2,727,951, Cl. 179—175.2.  
 Macfarlane, James C. and W. I. 2,708,733, Cl. 322—50.  
 Macfarlane, William I.: *See—*  
     Macfarlane, James C. and W. I. 2,708,733.  
 MacGeorge, William D., to Automatic Temperature Control Co., Inc. 2,722,198, Cl. 121—41.  
 MacGeorge, William D., and E. R. Brown, to Automatic Temperature Control Co., Inc. 2,722,234, Cl. 137—620.  
 MacGlashan, William F., Jr., and H. J. Margraf, to the United States of America as represented by the Secretary of the Army. 2,723,681, Cl. 137—625.25.  
 MacGregor, David, to Edward Valves Inc. Re. 23,985, Cl. 251—50.  
 MacGregor Instrument Co.: *See—*  
     Williams, David C. 2,714,888.  
 MacGregor, James, to York Engineering & Construction Co. 2,715,263, Cl. 39—477.7.  
 MacGregor, John K. N. 2,727,326, Cl. 41—12.  
 MacGregor, Robert L.: *See—*  
     Martin, John R., MacGregor, and Robson. 2,698,683.  
 Macgregor, Peter S., to Flight Refuelling Ltd. 2,728,590, Cl. 284—19.  
 MacGregor Sport Products Inc.: *See—*  
     Wilkins, Howard J. 2,708,955.  
 Mach, Rose M.: *See—*  
     Pazul, Terri M. 2,725,060.  
 Macha, Victor M., and J. D. Puette, to The Clark Controller Co. 2,704,838, Cl. 339—259.  
 Machado, Anthony B., to Friden Calculating Machine Co., Inc. 2,714,990, Cl. 235—73.  
 Machigan Powdered Metal Products Co., Inc.: *See—*  
     Haller, John, MacKay, and Causley. 2,698,774.  
 Machine Enterprise Corp.: *See—*  
     Saxby, Marvin R. 2,714,360.



- Machine Tool Works Oerlikon, Administration Co.: *See*—  
 Ineichen, Rudolf. 2,710,597.  
 Keller, Siegfried. 2,714,534.  
 Schneider, Theodor. 2,708,803.  
 Thomann, Hans, and Steck. 2,707,479.
- Machinery Electrification, Inc.: *See*—  
 Dunigan, Francis P. 2,722,648.
- Machlett, Adolph W. 2,712,510, Cl. 117—130.
- Machlett Laboratories, Inc.: *See*—  
 Agule, George J. 2,707,757.  
 Doolittle, Howard D. 2,722,624.  
 Machlett, Raymond R. 2,703,850.  
 Machlett, Raymond R., and Leferson. 2,714,676.  
 Yanagisawa, Samuel T., and Miserocchi. 2,701,847.
- Machlett, Raymond R., to Machlett Laboratories, Inc. 2,703,850, Cl. 313—72.
- Machlett, Raymond R., and J. Leferson, to Machlett Laboratories, Inc. 2,714,676, Cl. 313—40.
- Machovec, Fred J. 2,721,432, Cl. 56—25.4.
- Maciejowski, John J.: *See*—  
 Daniels, Richard W., Jr., and Maciejowski. 2,701,462.  
 Daniels, Richard W., Jr., and Maciejowski. 2,701,463.
- MacInnes, Neil A.: *See*—  
 Eugley, Jenness P., and MacInnes. 2,724,829.
- MacInnes, Peter A. 2,718,094, Cl. 46—199.
- MacIntosh, Robert M., to the United States of America as represented by the Secretary of the Army. 2,715,616, Cl. 260—31.2.
- MacIntyre, John A., to U. S. Plush Mills, Inc. 2,719,542, Cl. 139—409.
- MacIsaac, John T., Jr.: *See*—  
 Hayden, Martin W., MacIsaac, Suttentfield, and Simpson. 2,712,907.
- MacIsaac, John T., Jr., F. W. Brey, and R. A. Hill, to Fieldcrest Mills, Inc. 2,716,266, Cl. 26—51.4.
- Mack, Arthur. 2,698,450, Cl. 15—121.1.
- Mack, Arthur D. 2,727,632, Cl. 210—113.5.
- Mack, Charles H., W. G. Bickford, and K. S. Markley, to the United States of America as represented by the Secretary of Agriculture. 2,727,048, Cl. 260—409.
- Mack, Dick A.: *See*—  
 Lawrence, Ernest O., Aiken, and Mack. 2,705,257.
- Mack, Dick A., to the United States of America as represented by the United States Atomic Energy Commission. 2,716,194, Cl. 307—108.
- Mack, Gerry P., and E. Parker, to Advance Solvents & Chemical Corp. 2,700,675, Cl. 260—429.
- Mack, Gerry P., and E. Parker. 2,727,875, Cl. 260—29.4.
- Mack, Gerry P., and E. Parker, to Advance Solvents & Chemical Corp. 2,727,917, Cl. 260—429.
- Mack, Halmer B., to Holbrook Merrill Co. 2,713,890, Cl. 155—143.
- Mack Mfg. Corp.: *See*—  
 Schmal, Alois H. 2,724,252.
- Mack, William, to the United States of America as represented by the Secretary of the Army. 2,705,580, Cl. 222—475.
- Mack, William, to the United States of America as represented by the Secretary of the Army. 2,705,581, Cl. 222—526.
- Mackay, Alexander C., deceased, by T. M. Mackey, executrix, to United States Rubber Co. 2,700,180, Cl. 18—38.
- Mackay, Donald. 2,699,561, Cl. 12—128.6.
- Mackay, George. 2,699,050, Cl. 65—20.
- Mackay, Johnstone S.: *See*—  
 Boatright, Leslie G., and Mackay. 2,721,786.
- Mackay, Johnstone S., and K. A. Sund, to American Cyanamid Co. 2,712,492, Cl. 23—75.
- MacKay, Kenneth P.: *See*—  
 Haller, John, MacKay, and Causley. 2,698,774.
- Mackay, Malcolm J., to Wisconsin Wire Works. 2,707,317, Cl. 28—45.
- Mackay, Teresa M.: *See*—  
 Mackay, Alexander C. 2,700,180.
- Macke, Robert A., to Esso Research and Engineering Co. 2,726,987, Cl. 196—18.
- Macke, Robert A., to Esso Research and Engineering Co. 2,726,988, Cl. 196—18.
- Macke, Robert A., and W. O. Milligan, to Esso Research and Engineering Co. 2,728,709, Cl. 196—18.
- MacKechnie, Horace K.: *See*—  
 Moran, James M., and MacKechnie. 2,709,216.
- MacKechnie, James G., Sr. 2,704,844, Cl. 1—3.
- MacKenzie, Charles A., L. Spialter, and M. Schoffman,  $\frac{1}{2}$  to Montclair Research Corp. and  $\frac{1}{2}$  to Ellis-Foster Co. 2,721,873, Cl. 260—448.2.
- MacKenzie, Douglas S. 2,723,795, Cl. 229—37.
- MacKenzie, Edward P., and G. K. Woods. 2,712,096, Cl. 315—58.
- MacKenzie, Kenneth R.: *See*—  
 MacNeille, Stephen M., and MacKenzie. 2,715,693.
- MacKenzie, Kenneth W., to APRA Precipitator Corp. 2,726,730, Cl. 183—7.
- MacKenzie, Louis G., to Magna Electronics Co. 2,699,332, Cl. 271—2.18.
- MacKenzie, Robert A. 2,709,026, Cl. 223—88.
- MacKenzie, Robert P.: *See*—  
 Lukens, Harold C., and MacKenzie. 2,701,502.
- Mackey, Donald, and E. J. Sass, to Radio Corp. of America. 2,728,818, Cl. 179—171.
- Mackey, Walter J., to J. Ashley. 2,699,139, Cl. 116—67.
- Mackie, Harry A., and L. P. Garvey, to General Motors Corp. 2,716,252, Cl. 15—253.
- MacKinney, Emilio N.: *See*—  
 Kaha, Julio, Pier, and MacKinney. 2,724,191.
- Mackinney, Herbert W., to Union Carbide and Carbon Corp. 2,723,924, Cl. 117—141.
- MacKinney, Paul M., and J. F. Oury, to Oury Engineering Co. 2,705,621, Cl. 259—161.
- Mackinnon, Bernard R., to Allied Chemical & Dye Corp. 2,702,280, Cl. 252—161.
- Mackintosh, Alexander D., and T. W. Hungerford, to the United States of America as represented by the United States Atomic Energy Commission. 2,715,359, Cl. 98—115.
- Mackintosh, Charles. 2,701,745, Cl. 311—87.
- Mackintosh, Charles. 2,721,353, Cl. 16—164.
- Mackintosh, George L., to The Tablet and Ticket Co. 2,703,548, Cl. 116—135.
- Mackiw, Vladimir N.: *See*—  
 Forward, Frank A., and Mackiw. 2,726,934.
- Macklem, F. Sutherland, to Servo Corp. of America. 2,713,135, Cl. 318—28.
- Mackmann, Arthur, to Hupp Corp. 2,701,973, Cl. 74—626.
- MacKnight, Edgar W. 2,722,969, Cl. 155—81.
- MacKnight & Hoffman, Inc.: *See*—  
 Hoffman, Frederick W. 2,701,405.
- MacKnight, John D., to The Texas Co. 2,727,778, Cl. 294—86.
- Macko, Ladislav E.: *See*—  
 Granat, Frank P., Stanko, and Macko. 2,710,420.
- Macksoud, Michel E. 2,715,675, Cl. 240—1.
- MacLagan, Carl F., and L. Bradshaw, deceased, by The Borden Co. Re. 23,941, Cl. 117—100.
- MacLaren, Frederick H.: *See*—  
 Kalinowski, Mathew L., Crews, and MacLaren. 2,728,682.  
 Kalinowski, Mathew L., and MacLaren. 2,720,466.
- MacLaurin, James D. 2,711,120, Cl. 92—38.
- MacLean, Alexander F., and E. T. Smith, to Celanese Corp. of America. 2,707,165, Cl. 202—57.
- MacLean, Donald A., to The Steel Co. of Canada, Ltd. 2,708,853, Cl. 77—71.
- MacLean, Eliot B.: *See*—  
 Gwaltney, Eugene C., Shaw, and MacLean. 2,712,675.
- MacLean, Elsie J.: *See*—  
 MacLean, John. 2,724,387.
- MacLean, John, deceased; J. R. MacLean, administrator, 50% to J. R. MacLean and 50% to E. J. MacLean. 2,724,387, Cl. 129—24.
- MacLean, John R.: *See*—  
 MacLean, John. 2,724,387.
- MacLean, Kenneth S. 2,715,899, Cl. 128—2.
- MacLeod, David E., and H. O. Fuchs, to Preco Inc. 2,718,075, Cl. 37—145.
- MacLeod, Douglas W., to Farrel-Birmingham Co., Inc. 2,705,653, Cl. 286—10.
- MacLeod, Norman A., 37 $\frac{1}{2}$ % to K. L. Taulbee and 25% to R. W. Whann. 2,703,297, Cl. 148—4.
- MacLeod, Norman L., A. Krieg, A. L. Keeler, A. Wersits, and R. W. Somers, to Toledo Scale Co. 2,702,684, Cl. 249—63.
- MacMahon, James D., to Olin Mathieson Chemical Corp. 2,719,828, Cl. 252—187.
- MacMaster, Majel M.: *See*—  
 Wolf, Michael J., Cannon, and MacMasters. 2,709,699.
- MacMillan, Charles W.: *See*—  
 Holaday, Harold O., and MacMillan. 2,722,828.
- MacMillan, Robert R., to Pioneer Parachute Co., Inc. 2,718,369, Cl. 244—149.
- MacMullan, John S. M., and A. Mortlock, to International Standard Electric Corp. 2,706,776, Cl. 250—20.
- MacMullen, Clinton W., and A. Marzocchi, to Cowles Chemical Co. 2,723,211, Cl. 117—126.
- MacNeill, John B., to Westinghouse Electric Corp. 2,709,731, Cl. 200—108.
- MacNeill, Samuel G., and W. J. Lindner, to Union Carbide and Carbon Corp. 2,699,993, Cl. 75—171.
- MacNeille, Stephen M.: *See*—  
 Hull, Harvard L., and MacNeille. 2,715,186.
- MacNeille, Stephen M., to the United States of America as represented by the United States Atomic Energy Commission. 2,714,677, Cl. 313—61.
- MacNeille, Stephen M., and K. R. MacKenzie, to the United States of America as represented by the United States Atomic Energy Commission. 2,715,693, Cl. 313—63.
- Macneir, Donald B. 2,725,215, Cl. 255—61.
- MacNichol, Edward F., Jr.: *See*—  
 Chance, Britton, and MacNichol. 2,699,546.
- Macomic, Chester A., to Patent Development Corp. 2,703,715, Cl. 276—8.
- MacPhee, John H. 2,712,856, Cl. 180—15.
- MacPhee, John H. 2,724,449, Cl. 180—22.
- MacPherson, Carl D., to Wayne Foundry & Stamping Co. 2,724,667, Cl. 134—3.
- MacPherson, Earle S., to Ford Motor Co. 2,708,594, Cl. 296—28.
- MacPherson, Earle S., to Ford Motor Co. 2,716,461, Cl. 180—64.
- MacPherson, William C. 2,704,847, Cl. 2—195.
- MacPhillamy, Harold B., to Ciba Pharmaceutical Products, Inc. 2,720,523, Cl. 260—239.5.
- MacQuarrie, Fred L. 2,698,661, Cl. 164—61.
- MacRae, Duncan, Jr.: *See*—  
 Gray, John W., and MacRae. 2,711,856.
- Macrae, Frances A.: *See*—  
 Macrae, Lawrence P., and F. A. 2,709,468.
- Macrae, Lawrence P., and F. A. 2,709,468, Cl. 150—52.
- Macrides, Philip C., to Cluett, Peabody & Co., Inc. 2,727,243, Cl. 2—131.



- Macro, David A. 2,707,050, Cl. 210—131.  
 MacRoberts, Donald T., to United Gas Corp. 2,706,908, Cl. 73—149.  
 MacWilliams, Walter H., Jr., and F. C. Ong, to Bell Telephone Laboratories, Inc. 2,726,330, Cl. 250—27.  
 Macy, James C.: *See*—  
   Frank, Joseph J., and Macy. 2,726,701.  
 Macy, James C., to Ideco, Inc. Re. 23,980, Cl. 24—205.13.  
 Macy, James R., to International Harvester Co. 2,706,234, Cl. 219—10.57.  
 Maczuga, Shirley J. and W. S. 2,711,704, Cl. 112—153.  
 Maczuga, Walter S.: *See*—  
   Maczuga, Shirley J. and W. S. 2,711,704.  
 Madaras Corp.: *See*—  
   Madaras, Julius D. 2,704,248.  
 Madaras, Ernest J. 2,727,086, Cl. 174—51.  
 Madaras, Julius D., to Madaras Corp. 2,704,248, Cl. 75—40.  
 Madden, Charles L.: *See*—  
   Eckenbeck, Dana C., Slaughter, and Madden. 2,722,259.  
 Madden, Harold J., to Ethyl Corp. 2,727,052, Cl. 260—437.  
 Madden, Homer W. 2,720,302, Cl. 193—2.  
 Madden, James P. 2,704,142, Cl. 192—105.  
 Madden, James P. 2,727,403, Cl. 74—388.  
 Madden, Patrick A. 2,711,325, Cl. 280—1.188.  
 Maddock, Ralph B., to Pako Corp. 2,712,931, Cl. 266—22.  
 Maddux, Duane C. 2,715,479, Cl. 222—92.  
 Madeira, John R., to Goodman Mfg. Co. 2,725,976, Cl. 198—208.  
 Mader, Herbert: *See*—  
   Albert, Otto, and Mader. 2,714,053.  
 Mader, Stewart S., to Norton Co. 2,723,503, Cl. 51—105.  
 Madey, Richard, to the United States of America as represented by the United States Atomic Energy Commission. 2,717,316, Cl. 250—207.  
 Madge, Evelyn W., F. T. Purkis, A. N. Ward, and L. N. Wesley, to Dunlop Rubber Co. Ltd. 2,707,305, Cl. 18—6.  
 Madison-Kipp Corp.: *See*—  
   Korsmo, Torbjorn C. 2,708,372.  
 Madison, Richard D., H. C. Burgin, W. R. Elliot, and R. D. Robson, to Buffalo Forge Co. 2,727,680, Cl. 230—128.  
 Madison, Richard K.: *See*—  
   Carnes, Joseph J., and Madison. 2,698,856.  
   Cowen, Frank M., and Madison. 2,723,999.  
 Madl, Alfred W., to John Oster Mfg. Co. 2,699,925, Cl. 259—131.  
 Madland, Thorvald, to The Youngstown Steel Door Co. 2,711,701, Cl. 105—369.  
 Madorsky, Samuel L.: *See*—  
   Brewer, Aubrey K., Madorsky, and Taylor. 2,727,000.  
 Madorsky, Samuel L., to the United States of America as represented by the United States Atomic Energy Commission. 2,728,717, Cl. 202—173.  
 Madsen, Berthel F., to Teletype Corp. 2,701,045, Cl. 197—91.  
 Madsen, Berthel F., to Teletype Corp. 2,701,823, Cl. 178—25.  
 Madsen, Berthel F., to Teletype Corp. 2,708,217, Cl. 178—25.  
 Madsen, Gunnar. 2,727,742, Cl. 273—93.  
 Madsen, Jay R. and R. W. 2,701,393, Cl. 20—1.11.  
 Madsen, Robert W.: *See*—  
   Madsen, Jay R. and R. W. 2,701,393.  
 Madson, Leo D., and H. P. Brown. 2,721,055, Cl. 255—1.4.  
 Maeder, Richard L.: *See*—  
   Russell, John K., Craig, Byrd, and Maeder. 2,727,028.  
 Mäenpää, Kalle O. 2,725,991, Cl. 214—3.  
 Maenpaa, Wilho K., to General Railway Signal Co. 2,719,911, Cl. 246—182.  
 Maenpaa, Wilho K., and J. D. Hughson, to General Railway Signal Co. 2,719,912, Cl. 246—182.  
 Maerk, Mikkel. 2,699,006, Cl. 42—10.  
 Maerk, Mikkel. 2,699,007, Cl. 42—11.  
 Maerk Industrie-Ofenbau Actien Gesellschaft: *See*—  
   Bartu, Franz. 2,704,660.  
 Maescher, Albert. 2,701,911, Cl. 30—240.  
 Maetz, August, to Adolph Messer G. m. b. H. 2,724,954, Cl. 62—122.  
 Mafera, Guy. 2,709,571, Cl. 254—104.  
 Mag, John R. 2,715,037, Cl. 293—85.  
 Magary, Carey A. 2,705,966, Cl. 135—1.  
 Magat, Eugene E., and D. R. Strachan, to E. I. du Pont de Nemours & Co. 2,708,617, Cl. 18—54.  
 Magee Carpet Co.: *See*—  
   Groat, Francis P. 2,709,461.  
   Groat, Francis P. 2,719,541.  
 Magee, Kenneth L., and H. N. Irvine, to J. I. Case Co. 2,709,086, Cl. 280—423.  
 Magee, Marshall T., Jr.: *See*—  
   Johnston, John M., and Magee. 2,704,612.  
 Mageoch, Harry Y., to Electric Service Mfg. Co. 2,709,724, Cl. 191—59.1.  
 Magerlein, Barney J.: *See*—  
   Levin, Robert H., and Magerlein. 2,708,673.  
   Levin, Robert H., Magerlein, and Thompson. 2,719,856.  
 Magerlein, Barney J., and R. H. Levin, to The Upjohn Co. 2,708,672, Cl. 260—397.45.  
 Magerlein, Barney J., and R. H. Levin, to The Upjohn Co. 2,728,782, Cl. 260—397.45.  
 Maggs, Arthur H.: *See*—  
   Blake, Leslie R., and Maggs. 2,702,004.  
 Magic Chef, Inc.: *See*—  
   Brodbeck, Almer H., and Reinhart. 2,720,258.  
   Titus, James L. 2,727,507.  
 Magic Seal, Inc.: *See*—  
   Rand, Henry J. 2,704,650.  
 Magid, Louis: *See*—  
   Bauernfeind, Jacob C., and Magid. 2,708,628.  
 Magid, Sidney H. 2,728,072, Cl. 340—266.  
 Magida, Brina K.: *See*—  
   Magida, Herbert N. 2,725,232.  
 Magida, Herbert N., deceased; B. K. Magida, administrator. 2,725,232, Cl. 272—79.  
 Magidson, Frank, to Pittsburgh Tag Co. 2,713,399, Cl. 185—38.  
 Magill, Gilbert W. 2,707,601, Cl. 244—17.23.  
 Magill, John W. 2,710,505, Cl. 61—4.  
 Maginn, Edward J., and B. A. Horton, to Clark Equipment Co. 2,727,643, Cl. 214—514.  
 Magna Electronics Co.: *See*—  
   MacKenzie, Louis G. 2,699,332.  
 Magnaflex Corp.: *See*—  
   De Forest, Taber. 2,707,236.  
   Singdale, Fred N. 2,724,964.  
 Magnani, Alessandro, 1/2 to F. L. Smidth & Co. A/S. 2,718,822, Cl. 92—38.  
 Magnani, Alessandro. 2,720,142, Cl. 92—66.  
 Magnavox Co.: *See*—  
   Martin, Norman F., and Dreisbach. 2,718,399.  
   West, Judson, Jr., and Van Hoy. 2,723,301.  
 Magnecord, Inc.: *See*—  
   Greenwood, James H. 2,698,875.  
 Magnescope Corp.: *See*—  
   Goeppinger, Max L., and Miller. 2,724,021.  
 Magnesen, Charles D., to Magnesen Seal & Closure Co. 2,724,608, Cl. 292—256.6.  
 Magnesen Seal & Closure Co.: *See*—  
   Magnesen, Charles D. 2,724,608.  
 Magnesium Elektion Ltd.: *See*—  
   Emley, Edward F., and Unsworth. 2,716,603.  
 Magnetic Amplifier Corp.: *See*—  
   Rich, Stanley R. 2,706,906.  
 Magnetic Metals Co.: *See*—  
   Friend, Albert W. 2,721,995.  
 Magnus, Carl E., to Continental Can Co., Inc. 2,727,301, Cl. 29—477.  
 Magnus Chemical Co., Inc.: *See*—  
   Zinty, Marcel J., Rowan, and Gabelmann. 2,726,642.  
 Magnus, Edward R., to Snowhill Mfg. Co. 2,711,057, Cl. 51—109.  
 Magnus, Finn H. 2,711,665, Cl. 84—360.  
 Magnus, Finn H. 2,718,808, Cl. 84—377.  
 Magnuski, Henry, to Motorola, Inc. 2,713,664, Cl. 332—18.  
 Magnuski, Henry, and W. J. Steen, to Motorola, Inc. 2,699,495, Cl. 250—15.  
 Magnuski, Henry, and H. M. Ross, to Motorola, Inc. 2,699,496, Cl. 250—15.  
 Magnuson Engineers: *See*—  
   Pike, Clinton B., Jr., and Daugherty. 2,728,443.  
 Magnuson, Karl K., to Heywood-Wakefield Co. 2,711,556, Cl. 16—141.  
 Magnuson, Otto W. 2,707,418, Cl. 88—113.  
 Magnuson, Roy M.: *See*—  
   Pike, Clinton B., Jr., and Daugherty. 2,728,443.  
 Magnuson, Roy M. 2,707,982, Cl. 146—55.  
 Magnuson, Roy M., and T. J. Smith; said Smith assignor to said Magnuson. 2,699,291, Cl. 235—92.  
 Magnuson, Vernon P., to Northrop Aircraft, Inc. 2,723,346, Cl. 250—27.  
 Magnusson, Folke, and G. Hallberg, to AB Svenska Fläktfabriken. 2,709,306, Cl. 34—33.  
 Magnusson, Knut J., to the United States of America as represented by the Secretary of the Army. 2,716,153, Cl. 178—7.1.  
 Magnusson, Per J. 2,715,792, Cl. 43—147.  
 Magor Car Corp.: *See*—  
   Lunde, Einar O. 2,699,126.  
 Magrath, Adrian L. 2,713,488, Cl. 273—85.  
 Magri, Ralph J., Jr., and G. C. Marcot, to American Cyanamid Co. 2,715,501, Cl. 241—23.  
 Magri, Ralph J., Jr., and C. W. Sieber, to American Cyanamid Co. 2,721,793, Cl. 75—30.  
 Magui, Bernard, and A. Girard. 2,704,535, Cl. 123—25.  
 Maguire, John J., to W. H. and L. D. Betz. 2,712,531, Cl. 252—392.  
 Maha, Otto J.: *See*—  
   Peterson, Victor W., and Maha. 2,704,996.  
   Peterson, Victor W., and Maha. 2,710,595.  
 Maha, Otto J., to Hannifin Corp. 2,702,094, Cl. 184—55.  
 Mahaffy, Reid A., to Standard Packaging Corp. 2,714,557, Cl. 99—174.  
 Mahaffy, Reid A., and W. E. Young, to Standard Packaging Corp. 2,711,473, Cl. 219—39.  
 Mahan, Chas. E.: *See*—  
   Long, Armistead R. and J. B. 2,713,413.  
 Mahan, John E., to Phillips Petroleum Co. 2,698,848, Cl. 260—290.  
 Mahan, John E., to Phillips Petroleum Co. 2,703,804, Cl. 260—290.  
 Mahan, John E., to Phillips Petroleum Co. 2,706,730, Cl. 260—290.  
 Mahan, John E., to Phillips Petroleum Co. 2,728,770, Cl. 260—290.  
 Mahan, Marvin H.: *See*—  
   Koenecke, Donald F., and Mahan. 2,709,662.  
 Maher, Edward J.: *See*—  
   Hampton, William F., and Maher. 2,724,651.  
 Maher, Joseph L., to National Tank Co. 2,728,406, Cl. 183—2.7.  
 Maher, Joseph L., and C. A. Lavery, to National Tank Co. 2,717,580, Cl. 122—33.  
 Maher, Mildred V. 2,720,689, Cl. 24—163.



- Maher, William W., to American Can Co. 2,726,752, Cl. 198—41.  
 Mahler, Harry H. 2,699,999, Cl. 117—4.  
 Mahlitz, Otto J.,  $\frac{1}{4}$  to M. G. Schoen and  $\frac{1}{4}$  to M. Jessiman. 2,700,420, Cl. 160—190.  
 Mahlmeister, Raymond A., to The Sheffield Corp. 2,712,181, Cl. 33—181.  
 Maho, Jacques. 2,711,128, Cl. 98—56.  
 Mahoney, Donald G.: *See*—  
     McShurley, Marshall D., and Mahoney. 2,698,630.  
     McShurley, Marshall D., and Mahoney. 2,707,313.  
 Mahoney, Joseph L., to The Petersen Oven Co. 2,725,020, Cl. 107—59.  
 Mahoney, William C.: *See*—  
     Lane, Charles C., and Mahoney. 2,702,944.  
 Mahr, Julius A., to H. R. Nielsen. 2,704,236, Cl. 311—68.  
 Mahr, Julius A., to H. R. Nielsen. 2,707,641, Cl. 280—47.37.  
 Mahr, Julius A., to H. R. Nielsen. 2,709,632, Cl. 311—106.  
 Maidhof, William A., and K. P. Aurelius. 2,704,121, Cl. 160—216.  
 Maier, Albert, to Zahnradfabrik Friedrichshafen Aktiengesellschaft. 2,723,739, Cl. 192—93.  
 Maier, Emilio. 2,690,581, Cl. 103—46.  
 Maier, Ivan W.: *See*—  
     Frerer, Paul G., and Maier. 2,727,610.  
 Maier, Karl: *See*—  
     Hopff, Heinrich, and Maier. 2,701,254.  
 Maier, Lorenz,  $\frac{1}{2}$  to Kienzle Apparate G. m. b. H. 2,708,550, Cl. 235—60.  
 Maiese, Michael R., to American Home Products Corp. 2,721,161, Cl. 167—81.  
 Maibak, H., A. G.: *See*—  
     Holm, Otto. 2,712,793.  
 Mailhot, Harold J., and A. G. H. Vanderpoel. 2,707,051, Cl. 210—166.  
 Maillard, Bernard, to Societe "Brevets Aero-Mecaniques" S. A. 2,722,865, Cl. 89—33.  
 Maillard, Bernard, to "Brevets Aero-Mecaniques." 2,725,655, Cl. 42—25.  
 Maille, André. 2,725,876, Cl. 128—142.  
 Maillot, Léon A. 2,722,893, Cl. 103—148.  
 Main, James W.: *See*—  
     Montfort, Kenneth W. 2,718,348.  
 Main, Merrill M., to Crane Packing Co. 2,716,034, Cl. 288—8.  
 Main, Robert C.: *See*—  
     Rice, Harold W., and Main. 2,705,531.  
 Maines, Catharine D. 2,722,011, Cl. 2—76.  
 Maintain, Russell E. 2,700,476, Cl. 211—136.  
 Maire, Charles, and C. Fahrni, to A.-J. Girardy and F. Cuendet. 2,717,623, Cl. 152—219.  
 Maire, Georges, to Tavannes Watch Co. S. A. 2,699,034, Cl. 58—46.  
 Mairs, Thomas G., and R. C. Lilygren, to Waldorf Paper Products Co. 2,727,675, Cl. 229—23.  
 Mais, Walter B. 2,708,380, Cl. 81—15.  
 Maisel, Daniel S.: *See*—  
     Burnside, Harvey E. W., Maisel, and Wood. 2,722,476.  
 Maisel, Daniel S., to Esso Research and Engineering Co. 2,704,778, Cl. 260—666.  
 Maisner, Herman, to Aerojet-General Corp. 2,712,989, Cl. 52—0.5.  
 Maissian, Edward D. 2,705,570, Cl. 214—16.1.  
 Maitland, Charles L. 2,716,912, Cl. 81—86.  
 Maitland, John D.: *See*—  
     Lutz, William A., and Maitland. 2,723,562.  
 Maitland, Malcolm L. 2,716,006, Cl. 242—62.  
 Majestic Metal Specialties, Inc.: *See*—  
     Kasdan, Nathan. 2,727,548.  
 Majewski, Norman S.: *See*—  
     Replogle, Edward H., and Majewski. 2,709,557.  
 Majik-Ironers, Inc.: *See*—  
     Foster, Edwin E. Re. 23,974.  
 Majkrzak, Charles P., and E. R. Jones, to International Telephone and Telegraph Corp. 2,711,055, Cl. 49—84.  
 Major Leather Goods Mfg. Co.: *See*—  
     Wolf, Harold H. 2,716,985.  
 Maker, Daniel P. 2,700,967, Cl. 123—119.  
 Makholm, Maurice S., deceased; R. M. Makholm, administratrix, to herself. 2,708,854, Cl. 81—30.  
 Makholm, Rose M.: *See*—  
     Makholm, Maurice S. 2,708,854.  
 Maki, Edwin C., and D. E. Schmidt, to International Harvester Co. 2,720,866, Cl. 121—38.  
 Maki, Jacob K.: *See*—  
     Rixford, Henry K., Rockwood, and Maki. 2,703,268.  
 Makous, Lawrence, to A. O. Smith Corp. 2,715,687, Cl. 310—87.  
 Makous, Lawrence, to A. O. Smith Corp. 2,725,850, Cl. 119—14.07.  
 Makrauer, Irvin, to Sydney-Thomas Corp. 2,721,691, Cl. 299—55.  
 Malco, Leo C. 2,714,418, Cl. 155—105.  
 Malcolm, Vincent T., to The Chapman Valve Mfg. Co. 2,711,467, Cl. 219—10.  
 Malcom, Robert, Jr., to Chicago Eye Shield Co. 2,727,237, Cl. 2—14.  
 Malhot, Clarence J., to F. B. Redington Co. 2,723,516, Cl. 53—134.  
 Malick, Emil A., to Phillips Petroleum Co. 2,719,583, Cl. 158—46.  
 Malick, Emil A., to Phillips Petroleum Co. 2,721,890, Cl. 123—146.5.  
 Malick, Emil A., and D. R. de Boisblanc, to Phillips Petroleum Co. 2,715,815, Cl. 60—39.28.  
 Malick, Franklin S., to the United States of America as represented by the Secretary of the Navy. 2,703,379, Cl. 318—29.  
 Malick, Franklin S., to the United States of America as represented by the Secretary of the Navy. 2,717,066, Cl. 192—84.  
 Malick, Franklin S., and C. L. Mershon, to Westinghouse Electric Corp. 2,725,519, Cl. 323—89.  
 Malik, John P.: *See*—  
     Kinzinger, Siegfried M., and Malik. 2,705,880.  
 Malin, Jay B., to The Texas Co. 2,725,285, Cl. 48—196.  
 Malin, Louis. 2,705,014, Cl. 135—36.  
 Malina, Frank. 2,698,642, Cl. 153—54.  
 Malivoir, Maurice, to Etablissements Aubry et Simonin. 2,711,487, Cl. 307—84.  
 Malkemus, John D., to Colgate-Palmolive Co. 2,717,878, Cl. 252—152.  
 Mall Tool Co.: *See*—  
     Bracke, Robert F. 2,728,564.  
     Dodgege, Carl. 2,713,271.  
 Malleable Iron Fittings Co.: *See*—  
     Kennedy, Freeman W. 2,704,586.  
 Mallina, Rudolph E.: *See*—  
     Arkell, William C., Mallina, and Braun. 2,700,227.  
 Mallinckrodt Chemical Works: *See*—  
     Krueger, Paul A., Patterson, Turner, and Rands. 2,723,992.  
     Mallinckrodt, Edward, Jr., and Ruehle. 2,720,544.  
     Mallinckrodt, Edward, Jr., and Ruehle. 2,720,545.  
     Mallinckrodt, Edward, Jr., and Ruehle. 2,720,546.  
     Stoughton, Roger W. 2,709,171.  
     Teeters, Robert B., and Marty. 2,728,475.  
 Mallinckrodt, Edward, Jr., and A. E. Ruehle, to Mallinckrodt Chemical Works. 2,720,544, Cl. 260—611.5.  
 Mallinckrodt, Edward, Jr., and A. E. Ruehle, to Mallinckrodt Chemical Works. 2,720,545, Cl. 260—611.5.  
 Mallinckrodt, Edward, Jr., and A. E. Ruehle, to Mallinckrodt Chemical Works. 2,720,546, Cl. 260—611.5.  
 Mallory, George C.: *See*—  
     Mattingly, Virdean R., and Mallory. 2,701,743.  
 Mallory, Marion. 2,724,371, Cl. 123—32.  
 Mallory, P. R., & Co., Inc.: *See*—  
     Booe, James M. 2,710,369.  
     Dean, Reginald S., Burney, and Cook. 2,714,580.  
     Kaye, Gordon, and Jacobel. 2,702,310.  
     Lee, Robert H. 2,710,938.  
     Puerner, George O. 2,717,367.  
 Malloy, Paul J.: *See*—  
     Malloy, Paul V. and P. J. 2,716,025.  
 Malloy, Paul V. and P. J. 2,716,025, Cl. 262—1.  
 Malm, Carl J., and G. D. Hiatt, to Eastman Kodak Co. 2,718,667, Cl. 18—58.5.  
 Malm, Edward A. 2,709,402, Cl. 98—37.  
 Malm, Henry. 2,703,897, Cl. 15—48.  
 Malm, Henry. 2,721,375, Cl. 29—80.  
 Malm, Henry. 2,726,695, Cl. 145—50.  
 Malm, Royal D., to Clayton Mark & Co. 2,722,360, Cl. 228—60.  
 Malmgren, George V. 2,723,796, Cl. 229—42.  
 Malmros, Gustav V. A., and E. A. Barber, Jr., to International Business Machines Corp. 2,723,118, Cl. 271—44.  
 Malmquist, Nils G. A., to Svenska Aktiebolaget Bromsregulator. 2,724,586, Cl. 267—1.  
 Malmros, Gustav V. A.: *See*—  
     Gibbon, John H., Jr., Malmros, and Barker. 2,702,035.  
 Malmros, Gustav V. A., to The Jefferson Medical College of Philadelphia. 2,700,320, Cl. 88—14.  
 Malmros, Gustav V. A., and E. A. Barber, to International Business Machines Corp. 2,704,511, Cl. 101—134.5.  
 Malmros, Gustav V. A., J. R. Engstrom, and D. K. Rex, to The Jefferson Medical College of Philadelphia. 2,705,493, Cl. 128—214.  
 Malmstrom, N. I., & Co.: *See*—  
     Sunde, Conrad J. 2,710,836.  
 Malo, John H., to Barber Machinery Ltd. 2,717,090, Cl. 214—131.  
 Maloff, Ioury G.: *See*—  
     Tourshou, Simeon I., and Maloff. 2,728,013.  
 Maloff, Ioury G., to Radio Corp. of America. 2,726,573, Cl. 88—28.93.  
 Malone, Carl E., 50% to H. M. Sutton. 2,716,809, Cl. 30—30.  
 Malone, Homer E., to Perfex Corp. 2,701,830, Cl. 200—138.  
 Malone, Ralph A.: *See*—  
     Lincoln, Clovis W., Schroeder, and Malone. 2,728,825.  
 Maloney-Crawford Tank and Mfg. Co.: *See*—  
     Wilson, Samuel A. 2,717,081.  
 Maloney, John W.: *See*—  
     Dames, Trent R., Strom, Maloney, Chivens, and Boller. 2,702,473.  
 Maloof, Samuel. 2,727,662, Cl. 223—96.  
 Maloy, Ernest D. 2,726,447, Cl. 30—202.  
 Maltby, Frederick L., to The Bristol Co. 2,711,500, Cl. 318—29.  
 Maltby, Frederick L., to The Bristol Co. 2,720,639, Cl. 340—207.  
 Malthaner, John C. F. 2,714,388, Cl. 137—119.  
 Malthaner, William A., and H. E. Vaughan, to Bell Telephone Laboratories, Inc. 2,713,613, Cl. 179—16.  
 Malthaner, William A., and H. E. Vaughan, to Bell Telephone Laboratories, Inc. 2,723,311, Cl. 179—16.  
 Malutich, Harry S., to General Electric Co. 2,705,404, Cl. 62—3.  
 Malvese, George P. 2,699,615, Cl. 37—42.  
 Maizahn, Edwin. 2,714,262, Cl. 37—86.



- Mamalis, Patrick, V. Petrow, and B. Sturgeon, to The British Drug Houses Ltd. 2,728,763, Cl. 260—211.5.
- Mamer, Fred N.: *See*—  
Bowman, Ernest. 2,719,659.
- Mamere, Joseph P.: *See*—  
Merlin, Alfred G., and Mamere. 2,716,759.
- Mammen, Howard E., to Universal Oil Products Co. 2,718,526, Cl. 260—505.
- Mamo, Anthony C., to Borg-Warner Corp. 2,709,504, Cl. 188—69.
- Mamoli, Spartaco. 2,725,894, Cl. 137—360.
- Manabe, Takeo. 2,708,570, Cl. 259—175.
- Manas, Herman D., to M. R. M. Machinery Co., Inc. 2,725,156, Cl. 216—55.
- Manaster, Ben B., to Crest Specialty (Not Inc.). 2,709,814, Cl. 2—132.
- Manaugh, Carlisle F. 2,714,456, Cl. 214—16.1.
- Mancera, Octavio: *See*—  
Sondheimer, Franz, Djerassi, Rosenkranz, and Mancera. 2,702,291.
- Manchester, Clarence M. 2,709,376, Cl. 74—472.
- Manchester Hosiery Mills: *See*—  
Gordon, Melvin J. 2,710,092.
- Manchester, John A., and D. Pierce. 2,703,567, Cl. 126—121.
- Mancinelli, Dino A.: *See*—  
Radnofsky, Matthew I., and Mancinelli. 2,710,972.
- Manco, Leonard S.: *See*—  
McClelland, John W. 2,720,238.
- Mandato, Dominick, Jr.: *See*—  
Canfora, Arthur E., Liguori, and Mandato. 2,705,261.
- Mandelbaum, Moses J. 2,714,764, Cl. 32—2.
- Mandelburg, Benedict W., to Manville Boiler Co., Inc. 2,708,915, Cl. 122—109.
- Mandeville, Henry L., 1/2 to J. R. Bumgardner. 2,706,042, Cl. 209—88.
- Mandic, Nicholas: *See*—  
Sobol, Victor. 2,713,752.
- Mandler, Walter, to Ernst Leitz, G. m. b. H. 2,726,574, Cl. 88—57.
- Manecke, Georg. 2,700,063, Cl. 136—93.
- Manecke, Siegfried E., to Westinghouse Electric Corp. 2,715,201, Cl. 318—102.
- Maner, George L. 2,713,447, Cl. 226—2.
- Manfredi, Robert E.: *See*—  
De Santis, Vincent J., and Manfredi. 2,723,363.
- Mang, Gérard. 2,704,312, Cl. 200—113.
- Mang, Gerard. 2,711,455, Cl. 200—116.
- Manga, Joseph C. 2,704,796, Cl. 200—125.
- Mangel, Laverne E., and F. R. Kraemer. 2,728,161, Cl. 43—43.11.
- Mangels, Allen T. 2,721,098, Cl. 299—20.
- Manger, Warren P., to the United States of America as represented by the Secretary of the Navy. 2,707,400, Cl. 74—5.4.
- Mangham, Jesse R., to Virginia-Carolina Chemical Corporation. 2,722,479, Cl. 71—2.7.
- Mangialomini, Florence E.: *See*—  
Leary, James W., and Mangialomini. 2,699,202.
- Mangilo, Girolamo, and F. H. Schreiber. 2,719,365, Cl. 34—195.
- Mangion, Cyril P.: *See*—  
Jurgensen, Delbert F., Jr., Gurley, and Mangion. 2,707,472.
- Mangis, Warner C. 2,699,950, Cl. 279—6.
- Mangolini, Bruno. 2,699,767, Cl. 124—11.
- Manhasset Machine Corp.: *See*—  
Haldeman, Bruce M. 2,704,577.
- Manhattan Shirt Co., The: *See*—  
Williams, Frank W. 2,704,123.
- Woodson, William S., Jr. 2,714,758.
- Manheim, Theodore B., and J. L. Castelli. 2,716,961, Cl. 116—124.
- Manier, Charles A. 2,714,715, Cl. 340—244.
- Manifesta, Anthony L. 2,722,742, Cl. 30—223.
- Manifold, Michael B.: *See*—  
Cork, Edward C., and Manifold. 2,701,864.
- Maninger, Ralph C.: *See*—  
Parsegian, Vozcan L., and Maninger. 2,717,964.
- Manis, George E.: *See*—  
Guest, Freeman M., and Manis. 2,727,126.
- Maniscalco, Pietro, Sr. 2,722,810, Cl. 62—140.
- Manitowoc Shipbuilding Co.: *See*—  
Nickles, Edward B. 2,710,199.
- Manke, Gustave L., to Veeder-Root Inc. 2,721,703, Cl. 235—144.
- Manker, Sanford: *See*—  
Dreher, Daniel. 2,707,365.
- Manley, Herbert A., to Westrex Corp. 2,710,188, Cl. 271—2.3.
- Manley, Jesse G. 2,707,638, Cl. 273—187.
- Manley, John C., to Reconstruction Finance Corp. 2,714,180, Cl. 315—166.
- Manley, Leo W.: *See*—  
Kopp, Harry L., and Manley. 2,704,745.
- Manley, Robert E., and H. R. Robinson, to The Texas Co. 2,710,693, Cl. 210—202.
- Manley, Robert T.: *See*—  
Menning, Ralph H., Pratt, and Manley. 2,705,577.
- Mann, Alan N.: *See*—  
De Jahn, Fredrik W. 2,724,639.
- Mann, Albrecht, to Maschinenfabrik Augsburg-Nürnberg A. G. 2,705,865, Cl. 60—39.03.
- Mann, Byron C.: *See*—  
Bright, Horace E., and Mann. 2,710,731.
- Mann, Charles J. 2,709,599, Cl. 279—4.
- Mann, Franz J., to Siemens-Planawerke Aktiengesellschaft Fuer Kohlefabrikate. 2,725,032, Cl. 118—51.
- Mann, George K.: *See*—  
Bruderlin, Henry H., and Mann. 2,706,638.
- Mann, Julius W., and G. F. Russell. 2,705,993, Cl. 154—42.
- Mann, Leonard J., to General Motors Corp. 2,698,521, Cl. 62—4.
- Mann, Leonard J., to General Motors Corp. 2,723,533, Cl. 62—4.
- Mann, Matthew D., Jr., and H. G. Schneider, to Esso Research and Engineering Co. 2,709,642, Cl. 23—285.
- Mann, Morley. 2,708,384, Cl. 81—91.
- Mann, Neil W.: *See*—  
Burg, Kenneth E., Mann, Toomey, and Vance. 2,728,555.
- Mann, Robert W., to the United States of America as represented by the Secretary of the Navy. 2,706,405, Cl. 73—134.
- Mann, Theodore C., to Ekstrom-Carlson & Co. 2,723,598, Cl. 90—13.4.
- Mann, William: *See*—  
Eksergian, Carolus L., and Mann. 2,713,923.
- Mann, William, and G. Towell, to Canadian Industries (1954) Ltd. 2,707,438, Cl. 102—27.
- Mannas, Eugene C., to Continental Oil Co. 2,726,191, Cl. 196—8.
- Manne, Richard S., and B. M. Filbert, to Esso Research and Engineering Co. 2,728,800, Cl. 260—666.
- Mannerberg, Edward G.: *See*—  
Slate, Matthew W., and Mannerberg. 2,719,918.
- Mannheim, Carl P., to The Celotex Corp. 2,702,761, Cl. 117—43.
- Manning, Fred W. 2,713,001, Cl. 99—171.
- Manning, George: *See*—  
Strother, Fred P., Granberry, and Manning. 2,705,423.
- Manning, Harry E., and H. M. Layman, to American Radiator & Standard Sanitary Corp. 2,703,409, Cl. 4—102.
- Manning, Maxwell & Moore, Inc.: *See*—  
Holdeman, Lloyd H. 2,718,851.
- Koch, Paul W., and Beck. 2,718,778.
- Kretsch, Hans W., and Walker. 2,721,962.
- Roper, Charles G. 2,702,381.
- Manning, Michael J. 2,718,815, Cl. 88—39.
- Manning, Oscar. 2,726,676, Cl. 137—454.6.
- Manning, Ralph M., to General Electric Co. 2,709,923, Cl. 74—421.
- Manning, Richard H. 2,723,642, Cl. 116—114.
- Mannion, John F.: *See*—  
Barrett, Edward L. 2,711,519.
- Barrett, Edward L. 2,711,527.
- Kolstermann, Curt W. 2,699,534.
- Manor, Paul A., and J. K. Siddle, to Surface Combustion Corp. 2,712,352, Cl. 158—28.
- Manov, George G.: *See*—  
Morgan, George W., Bizzell, Manov, and Hitch. 2,722,609.
- Mans, Leonardus F. H., to Hartford National Bank and Trust Co., trustee. 2,721,158, Cl. 154—52.1.
- Mansbach, Alvin A., to Metal Separation Corp. 2,703,230, Cl. 266—37.
- Mansberg, Hyman P., to Allen B. Du Mont Laboratories, Inc. 2,709,050, Cl. 242—71.
- Mansfield Development, Inc.: *See*—  
Shafer, Homer J. 2,708,907.
- Mansfield Sanitary Pottery, Inc.: *See*—  
Smith, Harry F. 2,700,774.
- Smith, Harry F. 2,701,119.
- Smith, Harry F. 2,721,332.
- Mansheim, Richard J., to W. A. Sheaffer Pen Co. 2,709,989, Cl. 120—42.03.
- Mansmann, Raymond P. 2,713,777, Cl. 62—117.
- Mansmann, Raymond P. 2,723,848, Cl. 268—48.
- Manson, Morris, and F. Hafekost, to Steel Slides, Inc. 2,712,972, Cl. 311—71.
- Manson, Walter J., and H. Kenmore, to National-Standard Co. 2,708,445, Cl. 134—64.
- Mantell, Otto B. 2,712,891, Cl. 223—95.
- Manteuffel, Ernst, to International Standard Electric Corp. 2,723,810, Cl. 243—16.
- Manthey, Walter R.: *See*—  
Cipriani, Chester, and Manthey. 2,723,364.
- Manton, Douglas H.: *See*—  
Moore, Edgar S. 2,706,504.
- Manton, Frank: *See*—  
Moore, Edgar S. 2,706,504.
- Manton, James T.: *See*—  
Moore, Edgar S. 2,706,504.
- Mantonya, William G., to Cummins-Chicago Corp. 2,723,719, Cl. 164—111.
- Mantovanello, Giovanni, to Montecatini, soc. gen. per l'Industria Mineraria e Chimica. 2,713,024, Cl. 204—67.
- Mantz, Harold A. 2,717,780, Cl. 273—129.
- Manuel, Douglas S.: *See*—  
Phebus, Carey M. 2,724,522.
- Manuel, Ted B., and J. B. Rauch. 2,710,173, Cl. 256—14.
- Manuel Turchan: *See*—  
Humes, Gale. 2,723,827.
- Manufacturers Chemical Corp.: *See*—  
Wever, Franz, and Koch. 2,705,196.
- Manufacturers Machine Tool Co.: *See*—  
Howard, Charles W. 2,726,775.
- Manufacturers Supplies Co.: *See*—  
Beck, Edwin H. Re. 23,982.



- Manufacturers and Traders Trust Co.: *See*—  
Silliman, Grant F. 2,707,819.
- Manufactures de Produits Chimiques du Nord Etablissements  
Kuhlmann: *See*—  
Agulhon, Marie H. 2,706,689.
- Manupello, Anthony B. 2,703,605, Cl. 157—1.17.
- Manville Boiler Co., Inc.: *See*—  
Mandelburg, Benedict W. 2,708,915.
- Manville, Charles J., to Manville Mfg. Corp. 2,710,020,  
Cl. 137—512.
- Manville Mfg. Corp.: *See*—  
Manville, Charles J. 2,710,020.
- Mapes, Daniel, to Specialties Development Corp. 2,719,589,  
Cl. 169—9.
- Mapes, Leslie A. 2,722,354, Cl. 226—14.
- Mapp, Alfred G.: *See*—  
Chilman, John A., Mapp, and Cripps. 2,710,355.
- Mapson, Donald L., to M & D Display Mfg. Corp. 2,720,795,  
Cl. 74—612.
- Marano, Herbert W., to Wilson-Jones Co. 2,717,643, Cl.  
164—91.
- Marano, Herbert W., to Wilson-Jones Company. 2,719,294,  
Cl. 1—49.
- Marano, Herbert W., to Wilson-Jones Co. 2,719,295, Cl. 1—49.
- Marano, Herbert W., to Wilson Jones Co. 2,719,296, Cl. 1—49.
- Marano, Herbert W., to Wilson-Jones Co. 2,724,832, Cl. 1—3.
- Marano, Herbert W., to Wilson-Jones Co. 2,726,392, Cl.  
1—3.
- Marasso, Fred D., to Union Machinery Co. 2,728,508, Cl.  
226—14.
- Marathon Corp.: *See*—  
Andrews, David B., and Riege. 2,713,963.
- Klause, Karl. 2,708,510.
- Mischke, Edward M. 2,713,812.
- Phipps, Cornelius M. 2,721,023.
- Phipps, Cornelius M. 2,722,365.
- Rafoth, Bennie A., and Wauda. 2,716,519.
- Marble, Jarvis C.: *See*—  
Åhlén, Karl G. 2,699,642.
- Åhlén, Karl G. 2,699,689.
- Åhlén, Karl G. 2,700,444.
- Åhlén, Karl G. 2,707,408.
- Åhlén, Karl G. 2,719,616.
- Boestad, Gustav K. W. 2,701,130.
- Lysholm, Alf, Boestad, and Nilsson. 2,720,935.
- Nilsson, Hans R., and Lindhagen. 2,709,336.
- Ödman, Tor A. 2,706,109.
- Marble, Jarvis C., to J. C. Marble, L. M. Merrill, and P. H.  
Batten, in trust. 2,707,539, Cl. 192—07.
- Marbury, Ralph E., to Westinghouse Electric Corp. 2,705,301,  
Cl. 323—128.
- Marbury, Ralph E., to Westinghouse Electric Corp. 2,722,634,  
Cl. 317—99.
- Marbury, Ralph E., to Westinghouse Electric Corp. 2,722,656,  
Cl. 323—122.
- Marcalus, Nicholas. 2,726,719, Cl. 164—35.
- Marcati, Antonio, to G. Marcati. 2,717,464, Cl. 42—16.
- Marcati, Gildo: *See*—  
Marcati, Antonio. 2,717,464.
- Marcelli, Attilio. 2,702,911, Cl. 12—17.
- Marcellus, Adia. 2,725,572, Cl. 2—207.
- Marchese, Vincent J., to The Sperry Corp. 2,706,170, Cl.  
204—3.
- Marchal, Raymond H.: *See*—  
Kadosch, Marcel, Paris, Bertin, and Marchal. 2,702,986.
- Marchand, George. 2,702,440, Cl. 40—130.
- Marchand, Raoul J. 2,705,091, Cl. 222—129.
- Marchand, Robert, to Compagnie Electro-Mecanique.  
2,728,000, Cl. 310—29.
- Marchant Calculators, Inc.: *See*—  
Avery, Harold T. 2,710,141.
- Dustin, Howard M. 2,702,668.
- Nolde, George V. 2,724,062.
- Reynolds, Eugene E. Re. 24,042.
- Reynolds, Eugene E. 2,713,456.
- Marchant, Paul A.: *See*—  
Archer, William K., and Marchant. 2,711,766.
- Marchant Research, Inc.: *See*—  
Hill, Charles M. 2,715,997.
- Marchese, Theodore J.: *See*—  
Wing, Arthur K., Jr., and Marchese. 2,726,349.
- Marchetti, Ivo J., ½ to G. Ortolani. 2,720,672, Cl. 15—229.
- Marchyn, John M.: *See*—  
Parish, Preston S., Marchyn, and Pentesco. 2,718,979.
- Marco, George, to Clark Equipment Co. 2,704,132, Cl.  
180—82.
- Marco Industries Co.: *See*—  
Harrington, Frank A. 2,724,822.
- Harrington, Frank A., and Jentges. 2,718,636.
- Harrington, Frank A., and Noyes. 2,703,398.
- Marco Mfg. Co.: *See*—  
Gregory, Benjamin F. 2,714,936.
- Gregory, Benjamin F. 2,715,032.
- Marcoff-Moghadam, Leon, and G. N. Fedoroff. 2,715,486,  
Cl. 223—102.
- Marconi, Joseph A.: *See*—  
Oster, Harold, and Marconi. 2,713,686.
- Marconi Sounding Device Co. Ltd.: *See*—  
Rolfe, Denis H. 2,719,280.
- Marconi's Wireless Telegraph Co. Ltd.: *See*—  
Bartlett, Hugh F. 2,719,268.
- Brandon, Percy S. 2,724,827.
- Bedford, Leslie H. 2,719,247.
- Colchester, Christopher D. 2,715,660.
- Cooper, Victor J. 2,698,898.
- Davies, Eric. 2,721,909.
- Eaton, Robert G. 2,721,488.
- Fewings, David J., and Whitaker. 2,728,910.
- Wells, Edward M. 2,728,912.
- Whitaker, Leonard W. 2,713,638.
- Marcot, Guy C.: *See*—  
Magri, Ralph J., Jr., and Marcot. 2,715,501.
- Marcus, Arthur P. 2,702,398, Cl. 16—66.
- Marcus, Jerome W., and M. M. Fibus. 2,709,038, Cl. 232—17.
- Marcus, Maurice. 2,701,223, Cl. 154—118.
- Marcus Motors, Inc.: *See*—  
Marcus, Samuel M., Rinn, and Zingheim. 2,709,361.
- Marcus, Samuel M., Rinn, and Zingheim. 2,709,362.
- Marcus, Samuel M., Rinn, and Zingheim. 2,715,470.
- Marcus, Samuel M., C. E. Rinn, and J. A. Zingheim, to Marcus  
Motors, Inc. 2,709,361, Cl. 73—72.
- Marcus, Samuel M., C. E. Rinn, and J. A. Zingheim, to Marcus  
Motors, Inc. 2,709,362, Cl. 73—72.
- Marcus, Samuel M., C. E. Rinn, and J. A. Zingheim, to Marcus  
Motors, Inc. 2,715,470, Cl. 214—86.
- Marcy, Robert J., to Endicott Johnson Corp. 2,720,042, Cl.  
36—68.
- Marey, Robert J., to Endicott Johnson Corp. 2,723,468, Cl.  
36—68.
- Marden, John W.: *See*—  
Nagy, Rudolph, and Marden. 2,717,234.
- Marder, Richard C.: *See*—  
Keeshan, Alvin W., Marder, and Vogel. 2,717,756.
- Mardre, James S., Jr. 2,723,487, Cl. 45—28.
- Marenus, William J.: *See*—  
Beckett, John S., and Marenus. 2,716,065.
- Marepa Trust Ltd.: *See*—  
Moore, Walter G. 2,705,332.
- Mares, Joseph R., to Monsanto Chemical Co. 2,726,143, Cl.  
23—177.
- Maresch, Franz: *See*—  
Kaess, Franz, Doehlemann, and Maresch. 2,706,729.
- Maresh, Charles, and G. L. Buc, to American Cyanamid Co.  
2,707,900, Cl. 88—14.
- Marfisa Baker, Inc.: *See*—  
Baker, James J. 2,701,602.
- Marggraf, Harry N. 2,709,576, Cl. 257—133.
- Margles, Samuel G.: *See*—  
Durang, Edwin F., Fiedler, and Margles. 2,708,997.
- Margles, Samuel G., and H. R. Yost, to Otis Elevator Co.  
2,723,020, Cl. 198—16.
- Margolies, Jacob C. 2,712,354, Cl. 160—330.
- Margolies, Morton J. 2,698,708, Cl. 229—28.
- Margolis, Ely S., to Plastic-Ware, Inc. 2,719,252, Cl.  
317—200.
- Margolis, Frederick J. 2,712,237, Cl. 73—371.
- Margon Corp.: *See*—  
Wolfe, Howard. 2,700,248.
- Margottat, Adolphe, to Societe Anonyme Francaise de Maro-  
quinerie Sans Couture "Le Tanneur" et Tanneries du Bugey.  
2,707,011, Cl. 150—40.
- Margraf, Harry J.: *See*—  
MacGlashan, William F., Jr., and Margraf. 2,723,681.
- Margrave, Wilton, to The Parker Appliance Co. 2,718,240,  
Cl. 137—622.
- Margrave, Wilton, and L. D. Bizak, to The Parker Appliance  
Co. 2,698,632, Cl. 137—620.
- Margulies, Samuel. 2,699,056, Cl. 66—182.
- Mariani, Branko. 2,718,704, Cl. 33—69.
- Marien, Melvin W., to Ramsey Corp. 2,715,555, Cl. 309—44.
- Marietta, Carl B., to Clark Equipment Co. 2,709,532, Cl.  
214—514.
- Marihart, Donald J.: *See*—  
Wylie, Donald L., and Marihart. 2,710,368.
- Marihart, Leo A., to M. P. H. Industries. 2,700,923, Cl.  
97—15.
- Marine Midland Trust Co. of Central New York: *See*—  
De Boer, John H. 2,717,398.
- Marini-Bettolo, Giovanni B.: *See*—  
Bovet, Daniel, and Marini-Bettolo. 2,725,386.
- Marini, Lucio. 2,725,672, Cl. 46—174.
- Marini, Thomas O. 2,728,608, Cl. 299—82.5.
- Marison, John A. 2,721,402, Cl. 36—37.
- Mark, Arthur M.: *See*—  
Chirtel, Joseph S., and Mark. 2,705,705.
- Mark, Bernard: *See*—  
Mark, Manny and B. 2,699,667.
- Mark, Clayton, & Co.: *See*—  
Malm, Royal D. 2,722,360.
- Mark, John T., and R. J. Kistler, to Radio Corp. of America.  
2,727,172, Cl. 313—85.
- Mark, Manny and B., to Key Corp. of America. 2,699,667,  
Cl. 70—414.
- Mark, Vennice E., and L. L. Anderson, to Jervis Corp. Re.  
23,920, Cl. 20—69.
- Markakis, Michael J.: *See*—  
Benson, Bernard S., Markakis, Danenberg, and Rounds.  
2,728,521.
- Markarian, Moushy: *See*—  
Ross, Sidney D., and Markarian. 2,702,825.
- Marke, Douglas J. B.: *See*—  
Lilly, Cecil H., and Marke. 2,720,012.



- Markem Machine Co.: *See*—  
Meyers, Otto B. 2,709,587.
- Marker, Thomas F., to the United States of America as represented by the United States Atomic Energy Commission. 2,704,330, Cl. 250—36.
- Marker, William M., to Trade-Wind Motorfans, Inc. 2,710,573, Cl. 98—43.
- Markes, Orland W., deceased; R. O. Markes, administrator. 2,699,244, Cl. 197—151.
- Markes, Robert O., administrator: *See*—  
Markes, Orland W. 2,699,244.
- Market Forge Co.: *See*—  
Warshaw, Nathaniel. 2,723,886.
- Market Industries Co., Inc.: *See*—  
Danziger, Philip F. 2,727,618.  
Dee, Robert J. 2,723,025.
- Markham, Lorenzo O. 2,725,906, Cl. 143—133.
- Markila, Lennart: *See*—  
Brax, Antti J., and Markila. 2,712,488.
- Markin, Louis, to Hook-Flex Corp. 2,703,915, Cl. 24—227.
- Markin, Morris, to Checker Cab Mfg. Corp. 2,725,921, Cl. 155—9.
- Markley, Francis X., and M. L. Larson, to Ethyl Corp. 2,724,719, Cl. 260—461.
- Markley, George E., and L. L. Gustafson. 2,727,306, Cl. 31—21.
- Markley, Joseph M., to New England Gear Works. 2,723,830, Cl. 251—134.
- Markley, Klare S.: *See*—  
Mack, Charles H., Bickford, and Markley. 2,727,048.
- Markoski, John A., to Radio Corp. of America. 2,704,726, Cl. 117—33.5.
- Markoski, John A., to Radio Corp. of America. 2,727,865, Cl. 252—301.6.
- Markowski, Stanley J., to United Aircraft Corp. 2,709,337, Cl. 60—35.6.
- Marks, Alvin M. and M. M. 2,721,809, Cl. 117—33.3.
- Marks, Angus: *See*—  
Davies, William H., Marks, and Snow. 2,714,082.
- Marks, Charles B.: *See*—  
Tenney, William L., and Marks. 2,715,390.
- Marks, Edwin M.: *See*—  
Gaul, Edward M., Marks, and Oldham. 2,711,081.
- Marks, Estle H. 2,699,578, Cl. 20—35.
- Marks, Franklin J., to E. I. du Pont de Nemours and Co. 2,716,081, Cl. 154—95.
- Marks, Henry C., and V. G. Sarli, to Wallace & Tiernan Inc. 2,710,246, Cl. 23—152.
- Marks, Henry C., and F. B. Strandkov, to Wallace & Tiernan Co., Inc. 2,715,582, Cl. 99—154.
- Marks, Lewis, and A. M. Stern, to Polymer Industries, Inc. 2,716,612, Cl. 106—146.
- Marks, Louis W., to General Electric Co. 2,703,390, Cl. 336—96.
- Marks, Malcolm C., to American Institute of Radiation. 2,709,984, Cl. 119—3.
- Marks, Max J.,  $\frac{1}{2}$  to M. W. Schwartz. 2,706,266, Cl. 315—98.
- Marks, Mortimer M.: *See*—  
Marks, Alvin M. and M. M. 2,721,809.
- Marks, Ronald H. 2,721,462, Cl. 66—170.
- Marks, Saul H., to Phoenix Closet Accessories, Inc. 2,710,036, Cl. 150—28.
- Markus, George, and M. Siegel, to Aristocrat Leather Products, Inc. 2,710,046, Cl. 154—125.
- Markus, George, and M. Siegel, to Aristocrat Leather Products, Inc. 2,723,477, Cl. 41—34.
- Markus, George, and M. Siegel, to Aristocrat Leather Products, Inc. 2,726,941, Cl. 41—34.
- Markussen, Markus. 2,721,756, Cl. 294—67.
- Markward, Charles J. 2,705,385, Cl. 45—28.
- Markwood, William H., Jr.: *See*—  
Feild, George B., Markwood, Jr., and Taylor. 2,722,340.
- Markwood, William H., Jr., and G. M. Taylor, to Hercules Powder Co. 2,722,493, Cl. 117—232.
- Marlen Equipment Corp.: *See*—  
Long, Marshall, Miller, and Rapp. 2,708,287.
- Marlet, Anton F., to International Standard Electric Corp. 2,712,620, Cl. 317—234.
- Marlette, Goley R., to Adams-Millis Corp. 2,711,090, Cl. 66—50.
- Marley, Clement F. 2,727,303, Cl. 30—41.5.
- Marley, Robert G., to American Viscose Corp. 2,715,763, Cl. 28—82.
- Marlev, Tonya T.: *See*—  
Thornton, Phillip H., Jr., and P. H. Thornton, III. 2,706,882.
- Marlow, Harry: *See*—  
Brandon, Clarence W., Marlow, and Steele. 2,725,027.
- Marlowe, George J.: *See*—  
Kruppa, William J., and Marlowe. 2,700,618.
- Marman Products Co., Inc.: *See*—  
Christophersen, Clarence E. 2,703,722.  
Christophersen, Clarence E. 2,711,572.  
Houghton, Howard D. 2,727,292.
- Marmar Corp.: *See*—  
Carufel, Louis H. 2,722,778.
- Marmet, Alvin A. 2,715,387, Cl. 119—155.
- Marmon-Herrington Co., Inc.: *See*—  
Cost, William A. 2,699,852.
- Marmorstone, Robert J., to Panellit, Inc. Re. 24,031, Cl. 340—223.
- Marmorstone, Robert J., to Panellit, Inc. 2,701,872, Cl. 340—223.
- Marmorstone, Robert J., to Panellit, Inc. 2,707,777, Cl. 340—213.
- Marmorstone, Robert J., to Panellit, Inc. 2,709,250, Cl. 340—213.
- Marmorstone, Robert J., to Panellit, Inc. 2,712,129, Cl. 340—213.
- Marner, Gene R., to Collins Radio Co. 2,723,800, Cl. 235—61.
- Marotta, Ralph: *See*—  
Wilson, Ivan V., and Marotta. 2,702,283.
- Marotta, Ralph, and C. R. Martinson, to Monsanto Chemical Co. 2,717,214, Cl. 106—228.
- Marple, Rollo, to Hancock Mfg. Co. 2,702,400, Cl. 16—163.
- Marple, Rollo, to Hancock Mfg. Co. 2,712,957, Cl. 292—279.
- Marple, Rollo, and A. F. Baker, to Hancock Mfg. Co. 2,727,774, Cl. 292—216.
- Marquardt, Otto M., to The Ohio Crankshaft Co. 2,722,589, Cl. 219—10.61.
- Marquette Metal Products Co., The: *See*—  
Gleitz, Jerome D. 2,708,336.  
Gorske, Stanley F. 2,700,442.  
Sacchini, Columbus R. 2,720,790.  
Vaughan, Guy W., Jr., and Sacchini. 2,712,674.
- Marquis, Donald P., to Thompson Products, Inc. 2,705,163, Cl. 287—90.
- Marra, William H., and J. C. Stinchfield, to The National Cash Register Co. 2,699,432, Cl. 260—29.6.
- Marriage, Anthony, F. Pollak, and P. K. Brooks, to Eastman Kodak Co. 2,728,290, Cl. 101—149.1.
- Marrian, Stanley F., and W. H. Thompson, to Imperial Chemical Industries Ltd. 2,703,763, Cl. 106—188.
- Marriott, Richard A., and A. L. Labbe, to American Smelting and Refining Co. 2,704,135, Cl. 183—7.
- Marriott, Sherman G. 2,703,521, Cl. 99—355.
- Marron, Matthew F. 2,702,128, Cl. 211—103.
- Marron, Thomas U., to A. B. Dick Co. 2,721,513, Cl. 101—128.2.
- Marrone, Michael G. 2,728,375, Cl. 155—73.
- Marrow, George M. 2,715,953, Cl. 189—1.
- Marschke, Berthold V. 2,726,318, Cl. 240—4.
- Marsden, George B., to Chicago Nipple Mfg. Co. 2,709,822, Cl. 10—106.
- Marsden, George B., to Chicago Nipple Mfg. Co. 2,720,400, Cl. 279—1.
- Marsden, H. R., Ltd.: *See*—  
Poyser, Reginald G. 2,705,596.
- Marsden, Ross S., Jr.: *See*—  
De Boisblanc, Deslonde R., and Marsden. 2,728,836.
- Marsden, Ross S., Jr., and D. R. de Boisblanc, to Phillips Petroleum Co. 2,701,832, Cl. 201—63.
- Marsden, Ross S., Jr., and D. R. de Boisblanc, to Phillips Petroleum Co. 2,710,899, Cl. 201—63.
- Marsel, Charles J.: *See*—  
Happel, John, and Marsel. 2,719,872.
- Marsell, Philip A., and C. H. Teller, to Koppers Co., Inc. 2,701,774, Cl. 117—24.
- Marsh, Albert F. 2,713,323, Cl. 119—17.
- Marsh, Alonzo K., and J. Weimont, to A. Kimball Co. 2,728,392, Cl. 164—42.
- Marsh, Benjamin H., to C. K. Williams & Co. 2,716,595, Cl. 23—200.
- Marsh, Claude E., to H. F. Anderson. 2,698,505, Cl. 51—241.
- Marsh, Francis E., to Warner Jewelry Case Co. 2,708,508, Cl. 206—45.13.
- Marsh, Glenn A., to The Pure Oil Co. 2,728,727, Cl. 252—8.55.
- Marsh, James H. 2,723,690, Cl. 143—125.
- Marsh, Jas. P., Corp.: *See*—  
Rose, Alexander D., and Willach. 2,727,389.
- Marsh, Robert C.: *See*—  
Gumpper, Harold D., and Marsh. 2,726,522.
- Marsh, Russell L. 2,705,858, Cl. 56—25.
- Marsh Stencil Machine Co.: *See*—  
Hempel, Herbert W. 2,727,570.
- Marsh, Victor R.: *See*—  
Yarnell, Lorace A. 2,706,642.
- Marsh Wall Products, Inc.: *See*—  
Robinson, Joseph J., Jr. 2,699,112.
- Marshall, Cary H.: *See*—  
Baker, John T., and Marshall. 2,725,443.
- Marshall, Chester B., and H. H. Hetrick, to Sylvania Electric Products Inc. 2,727,540, Cl. 140—71.5.
- Marshall, Don J., to M. H. Wentz. 2,728,383, Cl. 157—1.26.
- Marshall, Donald E., to Westinghouse Electric Corp. 2,707,753, Cl. 313—187.
- Marshall, Donald E., to Micro Processing Equipment Inc. 2,723,242, Cl. 252—367.
- Marshall, Donald E., to Micro Processing Equipment Inc. 2,723,422, Cl. 18—2.
- Marshall, Donald E., to Micro Processing Equipment Co., Inc. 2,724,702, Cl. 252—368.
- Marshall, Donald E., G. Lewin, and E. A. Goldman, to Westinghouse Electric Corp. 2,727,168, Cl. 313—13.
- Marshall, Fitz-Hugh B., to Westinghouse Electric Corp. 2,725,483, Cl. 250—53.
- Marshall, Fitz-Hugh B., to Westinghouse Electric Corp. 2,727,183, Cl. 315—11.
- Marshall, Fred R. 2,705,903, Cl. 88—61.
- Marshall, Harrison W., to Buensod-Stacey, Inc. 2,708,568, Cl. 257—3.
- Marshall, Harry B., and W. R. Bennett, to The Dominion Cellulose Ltd. 2,709,653, Cl. 92—21.
- Marshall, James M.,  $\frac{1}{2}$  to F. L. Rogers. 2,706,535, Cl. 187—9.
- Marshall, James M.,  $\frac{1}{2}$  to W. D. McMahan, and  $\frac{1}{3}$  to F. L. Rogers. 2,706,640, Cl. 280—5.26.



- Marshall, Joseph F., to Stromberg-Carlson Co. 2,707,414, Cl. 84—405.
- Marshall, Preston F. 2,723,742, Cl. 198—30.
- Marshall Richards Machine Co. Ltd.: See—  
Bryden, George. 2,708,024.
- Marshall, Riley W. 2,727,240, Cl. 2—50.
- Marshall, William A., A. N. Staton, and E. S. Kleinmann, to Dearborn Stove Co. 2,726,205, Cl. 204—197.
- Martell, William E., to Armco Steel Corp. 2,709,131, Cl. 75—21.
- Marsilius, Mac, to Woodstock Metal Products, Inc. 2,707,664, Cl. 311—77.
- Marson, Samuel. 2,716,930, Cl. 95—64.
- Marston, Oliver F. 2,715,231, Cl. 9—17.
- Marston, William T., to The Dorr Co. 2,714,955, Cl. 209—18.
- Marston, William T., to The Dorr Co. 2,714,956, Cl. 209—18.
- Mart, Harry A. 2,717,726, Cl. 222—498.
- Mart, Harry A. 2,727,658, Cl. 222—536.
- Martel, Edmond. 2,701,052, Cl. 206—16.
- Martell, George E.: See—  
Hompe, Robert W., Hall, and Martell. 2,698,707.
- Martelle, Robert: See—  
Stefanelli, John, and Martelle. 2,719,041.
- Martello, Norman E., to Westinghouse Electric Corp. 2,725,321, Cl. 154—43.
- Martellotti, Mario, to La Salle Steel Co. 2,726,579, Cl. 90—15.
- Marten, Ben G. 2,723,482, Cl. 43—26.
- Martens, Charles R., and J. G. Bellamy, Jr., to The Sherwin-Williams Co. 2,699,407, Cl. 117—65.
- Martens, Gunter, to Hartford National Bank and Trust Co., trustee. 2,698,622, Cl. 128—422.
- Martens, Jean V., to International Standard Electric Corp. 2,698,878, Cl. 179—16.
- Martens, Maurice J.: See—  
Neighbour, Leonard B., and Martens. 2,699,947.
- Martens, Stanton C.: See—  
Greenhalgh, Milton S., and Martens. 2,708,173.
- Martensen, Niels M. 2,710,976, Cl. 5—98.
- Marth, Herbert J. 2,701,820, Cl. 174—164.
- Martin, Andrew J., to Allied Chemical & Dye Corp. 2,723,271, Cl. 260—295.
- Martin, Archer J. P., to National Research Development Corp. 2,728,219, Cl. 73—30.
- Martin, Archworth: See—  
Thomas, John F. 2,722,822.
- Martin, Bradford: See—  
Campbell, George H., and R. G. and B. Martin. 2,721,516.
- Martin, Carl C. 2,717,695, Cl. 209—211.
- Martin, Cecil G., to Jack & Heintz, Inc. 2,709,892, Cl. 60—39.09.
- Martin, Cecil G., and R. J. Shafranek, to Jack & Heintz, Inc. 2,708,724, Cl. 310—261.
- Martin, Charles Q., to The Sperry Corp. 2,711,902, Cl. 275—6.
- Martin, Clarence W., to Royal McBee Corp. 2,726,720, Cl. 164—112.
- Martin, Constant. 2,710,555, Cl. 84—1.01.
- Martin, Daniel J.: See—  
Martin, Daniel K. and D. J. 2,717,621.
- Martin, Daniel K. and D. J. 2,717,621, Cl. 150—40.
- Martin-Decker Corp.: See—  
Decker, Elmer L. Re. 24,092.  
Decker, Elmer L. 2,700,302.  
Decker, Elmer L. 2,700,304.
- Martin, Don S.: See—  
Prestwood, Rene J., and Martin. 2,702,523.
- Martin, Donald K., to Surface Combustion Corp. 2,714,552, Cl. 23—281.
- Martin, Earnest E., to R. W. Walsh. 2,709,118, Cl. 309—23.
- Martin, Earnest E., to R. W. Walsh. 2,727,471, Cl. 103—225.
- Martin, Edgar E. 2,713,975, Cl. 238—297.
- Martin, Edward A. 2,723,786, Cl. 223—91.
- Martin, Edward J., to Sinclair Refining Co. 2,726,261, Cl. 260—504.
- Martin, Edward J., and W. E. Sargeant, to General Motors Corp. 2,704,825, Cl. 324—54.
- Martin, Elmore L., to E. I. du Pont de Nemours and Co. 2,716,132, Cl. 260—509.
- Martin, Emmett V., to the United States of America as represented by the United States Atomic Energy Commission. 2,712,073, Cl. 250—41.9.
- Martin, Ferman P., to Chrysler Corp. 2,720,947, Cl. 188—264.
- Martin, Floyd A.: See—  
Leitner, Richard G., Martin, and Green. 2,708,696.
- Martin, Frank S., T. A. Pietraszek, and P. Dornik, Jr., to United States Rubber Co. 2,728,576, Cl. 273—232.
- Martin, Frederick H., to Martin Stamping & Stove Co. 2,711,139, Cl. 110—8.
- Martin, Frederick H., to Martin Stamping & Stove Co. 2,726,609, Cl. 110—8.
- Martin, George R.: See—  
Brown, John H., Jr., and Martin. 2,711,420.
- Martin, Glenn A. 2,715,293, Cl. 43—55.
- Martin, Glenn L., Co., The: See—  
Bender, Welcome W., Rauth, Merrill, and Richardson. 2,719,685.  
Bright, Horace E., and Mann. 2,710,731.  
Dowd, Albert A. 2,710,561.  
Gravenhorst, Gordon P. 2,710,562.  
Gravenhorst, Gordon P., Franz, Snow, and Black. 2,725,791.  
Gunther, Harry B. 2,715,532.  
Hershfield, Sanford, and Foley. 2,721,939.  
Jandris, Joseph T. 2,709,556.  
Pajak, Theodore P. 2,704,587.  
Pajak, Theodore P. 2,720,948.  
Pajak, Theodore P. 2,720,949.  
Thomas, Charles E., Jr., and Hershfield. 2,712,604.
- Martin, Gregory L., to International Telephone and Telegraph Corp. 2,726,173, Cl. 117—106.
- Martin, Gunther J.: See—  
Blocher, Ora G., and Martin. 2,708,366.
- Martin, Harry D., to General Motors Corp. 2,712,481, Cl. 308—201.
- Martin, Henry, to Variapat A. G. 2,715,643, Cl. 260—506.
- Martin, Henry, to Cilag Ltd. 2,716,626, Cl. 167—22.
- Martin, Henry. 2,717,724, Cl. 222—326.
- Martin, Henry, to Cilag Ltd. 2,719,168, Cl. 260—464.
- Martin, Henry, to Variapat A. G. 2,722,544, Cl. 260—506.
- Martin, Hermann, to Hartford National Bank & Trust Co., trustee. 2,723,549, Cl. 67—31.
- Martin, Herschel B.,  $\frac{1}{2}$  to H. Gries. 2,720,403, Cl. 280—112.
- Martin, Homer V. 2,704,184, Cl. 229—68.
- Martin, Homer Z., and C. W. Tyson, to Esso Research and Engineering Co. 2,725,348, Cl. 202—14.
- Martin, Horace G. 2,700,775, Cl. 4—131.
- Martin, Jack P.: See—  
Crede, John H., and Martin. 2,728,697.
- Martin, James. 2,708,083, Cl. 244—122.
- Martin, James. 2,711,870, Cl. 244—149.
- Martin, James K., to Lithographic Technical Foundation. 2,716,380, Cl. 101—147.
- Martin, James R. 2,699,277, Cl. 226—2.
- Martin, James V. 2,705,539, Cl. 180—44.
- Martin, Jean R. L., to Coty, Inc. 2,716,504, Cl. 215—40.
- Martin, Jean Y.: See—  
Young, William D. 2,714,230.
- Martin, Johannes J. 2,701,537, Cl. 110—38.
- Martin, John C. 2,723,879, Cl. 299—60.
- Martin, John R.: See—  
Kantola, Vincent, and Martin. 2,728,452.
- Martin, John R., to Oldham & Son Ltd. 2,704,454, Cl. 73—327.
- Martin, John R., R. L. MacGregor, and P. W. Robson, to Calumet & Hecla, Inc. 2,698,683, Cl. 207—16.
- Martin, Joseph F. 2,725,128, Cl. 192—4.
- Martin, Joseph F. 2,725,129, Cl. 192—4.
- Martin, Joseph F. 2,725,130, Cl. 192—4.
- Martin, Joseph F. 2,725,131, Cl. 192—4.
- Martin, Katie V. 2,715,253, Cl. 24—108.
- Martin, Kenneth P.: See—  
Rowland, Walter P., and Martin. 2,719,392.
- Martin, Lawrence A. 2,712,719, Cl. 56—26.5.
- Martin, Leroy L.: See—  
Brookes, Albert H., Rieger, and Martin. 2,703,512.
- Martin, Merritt W.: See—  
Norton, Ted R., and Martin. 2,723,982.
- Martin, Norman F., and R. H. Dreisbach, to The Magnavox Co. 2,718,399, Cl. 274—9.
- Martin, Norman P.: See—  
Dean, Milo M., Thunstrom, and Martin. 2,722,987.
- Luckhardt, Johannes. 2,710,645.
- Martin-Parry Corp.: See—  
Brock, Clarence A. 2,706,826.  
Fink, Mearl M. 2,710,081.
- Martin, Paul H. 2,717,163, Cl. 280—477.
- Martin, Philip W. 2,716,890, Cl. 73—151.
- Martin, Raymond G.: See—  
Campbell, George H., and R. G. and B. Martin. 2,721,516.
- Martin, Raymonde S. 2,706,483, Cl. 129—9.
- Martin, Robert L., to Standard Coil Products Co., Inc. 2,723,804, Cl. 242—1.
- Martin, Robert M. 2,723,124, Cl. 273—102.
- Martin, Robert W.: See—  
Knipe, Leland T., and Martin. 2,698,587.
- Martin, Robert W., to General Electric Co. 2,707,715, Cl. 260—613.
- Martin, Robert W., to General Electric Co. 2,710,305, Cl. 260—613.
- Martin, Robert W., to General Electric Co. 2,714,098, Cl. 260—38.
- Martin, Robert W., and K. C. Frisch, to General Electric Co. 2,707,191, Cl. 260—448.8.
- Martin, Sidney W., to Bear Mfg. Co. 2,702,432, Cl. 33—203.13.
- Martin, Sidney W. 2,723,824, Cl. 248—243.
- Martin Stamping & Stove Co.: See—  
Martin, Frederick H. 2,711,139.  
Martin, Frederick H. 2,726,609.
- Martin, Stanley A. 2,707,151, Cl. 99—6.
- Martin, Tellis A.: See—  
Randall, David I., and Martin. 2,703,321.
- Martin, Thomas A.: See—  
Hunter, Joseph L., and Martin. 2,714,413.
- Martin, Thomas P., and O. D. Englehart, to Pittsburgh Plate Glass Co. 2,721,157, Cl. 154—273.
- Martin, Walter H. 2,726,125, Cl. 311—21.



- Martin, Walter, Ltd.: *See*—  
 Carte, Cecil H. W. 2,718,256.
- Martin, Warren S. 2,715,964, Cl. 210—128.
- Martin, William E. 2,707,114, Cl. 280—496.
- Martin, William E. 2,717,707, Cl. 214—505.
- Martin, William E. 2,717,802, Cl. 296—28.
- Martin, William E. 2,725,994, Cl. 214—85.
- Martin, William F., and W. E. Warner. 2,700,823, Cl. 33—1.
- Martin, William H. 2,704,820, Cl. 321—7.
- Martin, William L., to the United States of America as represented by the Secretary of Commerce. 2,698,883, Cl. 179—171.
- Martin, Yves: *See*—  
 Picot, Lucien, and Martin. 2,707,676.
- Martindell, Frank, to Teletype Corp. 2,719,888, Cl. 200—80.
- Martineau, Stephen E. 2,708,031, Cl. 206—59.
- Martinek, Thomas W., to The Pure Oil Co. 2,727,731, Cl. 259—95.
- Martinet, Eugene F., to Royal Appliance Mfg. Co. 2,717,748, Cl. 248—26.
- Martinez, Daniel G.,  $\frac{2}{3}$  to A. C. Dockstader, and L. Belle. 2,717,708, Cl. 215—9.
- Martini, Franz J. 2,712,419, Cl. 242—84.4.
- Martiniak, Leonard J.: *See*—  
 Sharp, John C., and Martiniak. 2,711,178.
- Martino, James. 2,711,119, Cl. 90—12.5.
- Martins Ferry Glove Co., The: *See*—  
 Hall, Samuel S. 2,710,971.
- Martinson, Carl R.: *See*—  
 Marotta, Ralph, and Martinson. 2,717,214.
- Martool, Inc.: *See*—  
 Keller, Philip B., and Bolte. Re. 23,939.
- Martorella, Raymond M. 2,704,954, Cl. 81—112.
- Marty, Russell: *See*—  
 Teeters, Robert B., and Marty. 2,728,475.
- Maruschak, Nick, and D. Bartlebaugh. 2,704,032, Cl. 102—27.
- Marvel Equipment Corp.: *See*—  
 Roethel, John H. 2,699,346.
- Marvel, Harvey E., to Bowser, Inc. 2,725,986, Cl. 210—184.
- Marvin, Charles H., to The Stead Rail Anchor Co. Ltd. 2,703,030, Cl. 81—57.
- Marvin, George, to Marvin Landplane Co. 2,709,829, Cl. 16—35.
- Marvin, Henry G. 2,707,424, Cl. 97—47.65.
- Marvin, John T., to General Motors Corp. 2,717,295, Cl. 200—159.
- Marvin Landplane Co.: *See*—  
 Marvin, George. 2,709,829.
- Marvin, Philip R., to Milwaukee Gas Specialty Co. 2,718,918, Cl. 158—28.
- Marvin, Philip R., to Milwaukee Gas Specialty Co. 2,719,200, Cl. 200—140.
- Marvin, Stanley, and R. Miller, to Bock & Co. 2,700,236, Cl. 38—77.
- Marvosh, Dan. 2,722,957, Cl. 144—134.
- Marwil, Stanley J.: *See*—  
 Kleiss, Louis D., and Marwil. 2,715,647.
- Marx, Harry Z. 2,711,466, Cl. 219—4.
- Marx, Helmut, to Ernst Leitz, G. m. b. H. 2,709,944, Cl. 88—14.
- Marx, Joseph P., to Powell Muffler Co., Inc. 2,727,584, Cl. 181—57.
- Marx, Louis, & Co., Inc.: *See*—  
 Bertaux, Jean L. 2,700,251.
- Hirsch, Mahlon. 2,703,464.
- Nisperly, Walter E., and Rhome. 2,710,174.
- Smith, Anthony N. 2,707,606.
- Smith, Anthony N. 2,708,430.
- Marx, Paul F.: *See*—  
 Risley, Roger E., and Marx. 2,708,123.
- Marx, Paul F., and L. L. Dressler, to Dresser Industries, Inc. 2,726,705, Cl. 154—41.
- Marx, Rudolf, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius und Bruning. 2,718,487, Cl. 167—65.
- Maryland Engineering Co.: *See*—  
 Neer, Clifford H. 2,713,269.
- Marzano, Frank. 2,725,659, Cl. 43—17.
- Marzio, Arnaldo. 2,712,178, Cl. 30—73.
- Marzocchi, Alfred: *See*—  
 MacMullen, Clinton W., and Marzocchi. 2,723,211.
- Marzolf, Robert G. 2,712,836, Cl. 140—92.1.
- Mascaro, Anthony. 2,703,256, Cl. 299—45.
- Maschin, Harold F.: *See*—  
 Fogarty, Charles J., and Maschin. 2,715,033.
- Maschinenfabrik Augsburg-Nürnberg A. G.: *See*—  
 Dietrich, Paul. 2,700,931.
- Hirt, Peter. 2,703,535.
- Hofer, Max. 2,700,966.
- Mann, Albrecht. 2,705,865.
- Rupp, Friedrich. 2,722,176.
- Schörner, Christian. 2,715,011.
- Von Lassberg, Dietrich. 2,701,553.
- Maschinenfabrik Fahr A. G.: *See*—  
 Wolf, Alfred. 2,713,343.
- Maschinenfabrik & Giesserei Netstal A. G.: *See*—  
 Blumer, Armin. 2,727,277.
- Maschinenfabrik Meer Aktiengesellschaft: *See*—  
 Schnellmann, Ferdinand. 2,726,871.
- Maschinenfabrik Moenus A. G.: *See*—  
 Muller, Heinrich, and Schwalbach. 2,716,387.
- Maschinenfabrik Scharer: *See*—  
 Siegenthaler, Walter. 2,728,528.
- Voegelin, Fritz. 2,703,669.
- Masciana, Joyce E. 2,707,932, Cl. 116—135.
- Mascuch, Joseph J.: *See*—  
 Elderkin, James K. 2,712,090.
- Masek, John A., to The T. L. Smith Co. 2,717,769, Cl. 259—172.
- Masek, Robert W. 2,708,589, Cl. 285—169.
- Masland, C. H., & Sons: *See*—  
 Harding, John H. 2,714,400.
- Hoeselbarth, Frank W. E. 2,702,056.
- Hoeselbarth, Frank W. E. 2,702,933.
- Hoeselbarth, Frank W. E. 2,705,974.
- Hoeselbarth, Frank W. E. 2,709,458.
- Hoeselbarth, Frank W. E. 2,709,460.
- Hoeselbarth, Frank W. E. 2,713,354.
- Hoeselbarth, Frank W. E. 2,713,355.
- Hoeselbarth, Frank W. E. 2,713,356.
- Hoeselbarth, Frank W. E. 2,714,399.
- Hoeselbarth, Frank W. E. 2,714,405.
- Hoeselbarth, Frank W. E. 2,714,902.
- Hoeselbarth, Frank W. E. 2,717,005.
- Hoeselbarth, Frank W. E. 2,720,222.
- Maslin, Albert J.: *See*—  
 Chiles, John H., Jr., and Maslin. 2,725,502.
- Maslin, Thomas I.: *See*—  
 Nickell, Hershell A., and Maslin. 2,712,580.
- Mason, Arie M.: *See*—  
 Mason, George, J. B., A. M. and B. 2,723,647.
- Mason, Benjamin: *See*—  
 Mason, George, J. B., A. M. and B. 2,723,647.
- Mason, Charles E. 2,728,828, Cl. 200—115.5.
- Mason, Dick H., and A. F. Palmer, deceased; M. M. Palmer, executrix. 2,708,534, Cl. 222—310.
- Mason, Donald E. 2,700,819, Cl. 30—138.
- Mason, Edwin W., to Mason-Keller Corp. 2,705,579, Cl. 222—129.
- Mason, Frank N.,  $\frac{1}{4}$  to A. K. Cohen. 2,709,259, Cl. 2—128.
- Mason, Frederick P., and A. T. Watts, to Creed and Co. Ltd. 2,705,739, Cl. 178—5.
- Mason, George, J. B., A. M. and B., to Mason Plastics Co., Inc. 2,723,647, Cl. 118—404.
- Mason, Hugh B.,  $\frac{1}{2}$  to S. E. Mason. 2,723,536, Cl. 62—107.
- Mason, James A.: *See*—  
 Molins, Desmond W., Haysom, and Mason. 2,708,391.
- Mason, James A., to Warner Electric Brake & Clutch Co. 2,718,951, Cl. 192—84.
- Mason, James N., to Boston Woven Hose and Rubber Co. 2,712,704, Cl. 41—19.
- Mason, James N., to Boston Woven Hose and Rubber Co. 2,724,670, Cl. 154—52.
- Mason, John B.: *See*—  
 Mason, George, J. B., A. M. and B. 2,723,647.
- Mason, Julien J., to Westinghouse Electric Corp. 2,725,497, Cl. 313—204.
- Mason-Keller Corp.: *See*—  
 Keller, Arthur M. 2,712,717.
- Mason, Edwin W. 2,705,579.
- Mason-Neilan Regulator Co.: *See*—  
 Bennett, Andrew E., and Brown. 2,712,236.
- Rockwell, Ralph A. 2,714,895.
- Mason Plastics Co., Inc.: *See*—  
 Mason, George, J. B., A. M. and B. 2,723,647.
- Mason, Ralph B.: *See*—  
 Kimberlin, Charles N., Jr., Mason, and Krebs. 2,721,168.
- Mason, Ralph B., and C. N. Kimberlin, Jr., to Esso Research and Engineering Co. 2,721,169, Cl. 202—31.
- Mason, Richard H.: *See*—  
 Mason, Roger S., and R. H. 2,718,689.
- Mason, Robert C. 2,720,239, Cl. 152—222.
- Mason, Robert F. 2,718,443, Cl. 309—8.
- Mason, Roger S., and R. H. 2,718,689, Cl. 29—103.
- Mason, Sabra E.: *See*—  
 Mason, Hugh B. 2,723,536.
- Mason, Samuel J. 2,726,911, Cl. 311—16.5.
- Mason, Warren P., to Bell Telephone Laboratories, Inc. 2,706,326, Cl. 29—25.35.
- Mason, Warren P., to Bell Telephone Laboratories, Inc. 2,711,515, Cl. 333—30.
- Mason, Wesley M. 2,721,679, Cl. 223—98.
- Masonite Corp.: *See*—  
 Boehm, Robert M., and Hunt. 2,703,293.
- Brink, Edwin H., and Walker. 2,713,030.
- Fuller, James M. 2,713,029.
- Green, Walter P., Jr., and Walker. 2,713,031.
- Schoen, William. 2,716,613.
- Massa, Frank. 2,702,260, Cl. 134—1.
- Massa, Steve. 2,719,038, Cl. 272—75.
- Massano, Aurelio M. 2,724,152, Cl. 20—2.
- Massar, Val H., to Bendix Aviation Corp. 2,699,531, Cl. 336—92.
- Massarotti, Mario. 2,703,496, Cl. 74—336.5.
- Masse, Roland. 2,703,136, Cl. 155—43.
- Massengill, S. E., Co., The: *See*—  
 Cronheim, Georg E., Leake, and Fielden. 2,717,899.
- Cronheim, Georg E., Leake, and Fielden. 2,721,826.
- Massey, Albert G.: *See*—  
 Rodeck, Armin H., and Massey. 2,715,891.
- Rodeck, Armin H., and Massey. 2,715,892.
- Massey, David W.: *See*—  
 Sherrill, George G., and Massey. 2,699,016.
- Massey-Harris Co. Ltd.: *See*—  
 Carroll, Thomas. 2,701,634.
- Massey-Harris-Ferguson Inc.: *See*—  
 Todd, Everett W. 2,726,589.



- Massey-Harris-Ferguson Ltd.: *See*—  
 Ashton, Robert, and Carroll. 2,720,744.  
 Ashton, Robert, and Carroll. 2,725,706.  
 Todd, Everett W. 2,718,183.  
 Miura, John H., and Zemelka. 2,705,893.  
 Miura, John H., and Zemelka. 2,726,551.  
 Newhouse, Frank J., and Kepkay. 2,708,396.  
 Newhouse, Frank J., and Kepkay. 2,720,930.  
 Massey-Harris-Ferguson (Sales) Ltd.: *See*—  
 Chambers, John M., and Sherwen. 2,701,072.  
 Massey Machine Co.: *See*—  
 Rodeck, Armin H., and Massey. 2,715,891.  
 Rodeck, Armin H., and Massey. 2,715,892.  
 Massey, Peter J. 2,712,508, Cl. 117—60.  
 Massier, John, to Selas Corp. of America. 2,725,929, Cl. 158—28.  
 Massmann, Wilhelm, to Benz & Hilgers Maschinenfabrik. 2,705,835, Cl. 31—8.  
 Massmann, Wilhelm, to Benz & Hilgers Maschinenfabrik. 2,716,510, Cl. 222—227.  
 Masson, Bernard, M. Thibault, and A. Berquier, to Societe d'Applications Generale d'Electricite & de Mecanique. 2,704,558, Cl. 139—54.  
 Masson, Claude M. E., to Societe d'Electronique et d'Automatisme. 2,727,991, Cl. 250—27.  
 Masson Scott & Co. Ltd.: *See*—  
 Battersby, James E. 2,725,002.  
 Masstab, Benjamin, to E. Masstab. 2,723,394, Cl. 2—42.  
 Masstab, Ethel: *See*—  
 Masstab, Benjamin. 2,723,394.  
 Mast Development Co., Inc.: *See*—  
 Mast, Gifford M., Gannett, and Moeller. 2,718,738.  
 Mast, Gifford M., W. K. Gannett, and L. E. Moeller, to Mast Development Co., Inc. 2,718,738, Cl. 53—38.  
 Mastaller, Leopold K. 2,717,604, Cl. 128—400.  
 Master Addresser Co.: *See*—  
 Wright, Ansel J. 2,708,404.  
 Master Electric Co., The: *See*—  
 Berger, Arthur F. 2,706,652.  
 Master Mechanics Co., The: *See*—  
 Evans, Robert M. 2,709,664.  
 Master Pneumatic, Inc.: *See*—  
 Wiley, Robert D. 2,720,278.  
 Master Pneumatic Supply Co.: *See*—  
 Edwards, Robert L. 2,698,604.  
 Master Pneumatic Tool Co.: *See*—  
 Sturrock, James. 2,715,889.  
 Master, Warren S., to International Telephone and Telegraph Corp. 2,707,251, Cl. 317—234.  
 Mastercrafters Clock & Radio Co.: *See*—  
 Hancock, John L. 2,708,114.  
 Masters, Robert W., to The Ohio State University Research Foundation. 2,714,706, Cl. 333—9.  
 Mastin, Thomas G.: *See*—  
 Seeger, Nelson V., and Mastin. 2,725,366.  
 Seeger, Nelson V., and Mastin. 2,725,385.  
 Mastin, Thomas G., and N. V. Seeger, to The Goodyear Tire & Rubber Co. 2,698,845, Cl. 260—239.3.  
 Mastin, Thomas W.: *See*—  
 Asseff, Peter A., Mastin, and Rhodes. 2,723,234.  
 Asseff, Peter A., Mastin, and Rhodes. 2,723,235.  
 Asseff, Peter A., Mastin, and Rhodes. 2,723,236.  
 Mastnock, Frank. 2,709,447, Cl. 137—413.  
 Mastrandrea, Giuseppe. 2,728,174, Cl. 51—190.  
 Masuda, Ryo: *See*—  
 Matsumoto, Genzaburo, Masuda, and Ishida. 2,727,495.  
 Matalon, Albert. 2,713,475, Cl. 259—128.  
 Matasovic, John L. 2,718,237, Cl. 137—505.37.  
 Matasy, Joseph S. 2,711,950, Cl. 75—0.5.  
 Mateer, G. Diehl Co.: *See*—  
 Mateer, George D. Re. 24,079.  
 Mateer, George D., to G. Diehl Mateer Co. Re. 24,079, Cl. 222—378.  
 Mater, Peter L. 2,709,298, Cl. 30—117.  
 Materese, Vincent, and R. L. Tangeman, to Mink-Dayton, Inc. 2,725,725, Cl. 62—43.  
 Materials Transportation Co.: *See*—  
 Avery, Fred J. 2,699,878.  
 Materka, John S.: *See*—  
 Simpkins, Robert L., Materka, and Elliott. 2,724,092.  
 Matesic, John G. 2,723,037, Cl. 211—74.  
 Matheny, Francis M., to Pipe Linings, Inc. 2,711,000, Cl. 25—38.  
 Mather, Edward L., and R. J. Cheetham, to British Insulated Callender's Cables Ltd. 2,717,357, Cl. 323—77.  
 Mather, Robert I. 2,725,835, Cl. 112—1.  
 Mathes, Roger A., and F. D. Stewart, to The B. F. Goodrich Co. 2,704,752, Cl. 260—79.5.  
 Mathes, Willard, to The Eagle Lock Co. 2,715,828, Cl. 70—25.  
 Mathes, William E. 2,702,066, Cl. 153—45.  
 Matheson, George L., deceased, by The Summit Trust Co., executor, W. G. May, and D. L. Baeder, to Esso Research and Engineering Co. 2,708,516, Cl. 209—139.  
 Matheson, George L., to Esso Research and Engineering Co. 2,728,632, Cl. 23—1.  
 Matheson, George L., and H. J. Hall, to Esso Research and Engineering Co. 2,711,387, Cl. 202—14.  
 Matheson, James N., and W. J. Wiswesser, to Willson Products, Inc. 2,706,983, Cl. 128—146.  
 Mathews Conveyor Co., Ltd.: *See*—  
 Bisset, William, and Frost. 2,707,567.  
 Mathews, Donald A.: *See*—  
 Harmantas, Christos, and Mathews. 2,710,324.  
 Mathews, Edward G.: *See*—  
 La Grua, James C., and Mathews. 2,706,074.  
 Mathews, George A. 2,726,123, Cl. 304—38.  
 Mathews, Homer E. 2,713,405, Cl. 192—53.  
 Mathews, Joseph A., and H. Wheeler, to Central Commercial Industries, Inc. 2,707,896, Cl. 84—423.  
 Mathewson Corp.: *See*—  
 Nenzell, Joseph F. 2,717,793.  
 Mathewson Corp., The: *See*—  
 Nenzell, Joseph F. 2,722,043.  
 Mathewson, Frank: *See*—  
 Miller, Robert P., Mathewson, and Meinzer. 2,714,961.  
 Mathewson, Wilfred F. 2,707,905, Cl. 92—35.  
 Mathew, Alcide E., to Scully Signal Co. 2,716,389, Cl. 116—109.  
 Mathias, Gerald E., to Westinghouse Electric Corp. 2,714,696, Cl. 318—99.  
 Mathias, Gerald E., to Westinghouse Electric Corp. 2,719,256, Cl. 318—241.  
 Mathias, Gerald E., and W. T. Hunt, Jr., to Westinghouse Electric Corp. 2,712,105, Cl. 318—202.  
 Mathiesen, James C.: *See*—  
 Mead, John A., and Mathiesen. 2,703,935.  
 Mathiesen, Nicolaus P. 2,700,831, Cl. 35—19.  
 Mathiesen, Nicolaus P. 2,722,936, Cl. 129—16.  
 Mathieson, Olin, Chemical Corp.: *See*—  
 Bernstein, Jack, Lott, and Wiselogle. 2,699,448.  
 Bernstein, Jack, Lott, and Wiselogle. 2,699,449.  
 Bernstein, Jack, Lott, and Wiselogle. 2,699,450.  
 Mathieu, Francois: *See*—  
 Camescasse, Pierre, and Mathieu. 2,720,454.  
 Mathieu, Francois, to Society Astral. 2,724,644, Cl. 75—62.  
 Mathieu, Frederic C., to Compagnie Radio Cinema. 2,721,031, Cl. 235—61.  
 Mathieu, Jean B.: *See*—  
 Allais, Andre, Mathieu, and Velluz. 2,710,868.  
 Mathis, William F. 2,712,193, Cl. 42—79.  
 Mathisen, Anders: *See*—  
 Hall, Henry W., Strain, and Mathisen. 2,719,197.  
 Mathisen, Anders, 1/2 to The Wilkinson Sword Co. Ltd., and 1/2 to Gravinger Mfg. Co. Ltd. 2,701,827, Cl. 200—83.  
 Mathisen, Anders, 1/2 to Gravinger Mfg. Co. Ltd., and 1/2 to The Wilkinson Sword Co. Ltd. 2,712,881, Cl. 220—47.  
 Mathson, Leslie J. 2,718,154, Cl. 74—220.  
 Mathwich, Howard R., to Radio Corp. of America. 2,707,210, Cl. 179—15.  
 Matich, John. 2,708,543, Cl. 228—51.  
 Matlack, Richard C., and F. W. Metzger, to Bell Telephone Laboratories, Inc. 2,717,279, Cl. 179—17.  
 Matner, Vincent E., to The Perkin-Elmer Corp. 2,724,995, Cl. 88—74.  
 Matras, Frank D., to Frabill Mfg. Co. 2,708,538, Cl. 224—7.  
 Matras, Frank D., to Frabill Mfg. Co. 2,719,381, Cl. 43—44.95.  
 Matson, Edward J.: *See*—  
 Weston, Arthur W., Moore, Richards, and Matson. 2,700,041.  
 Matson, Herman A.: *See*—  
 Kramer, Alexander E., and Matson. 2,715,856.  
 Matson, Leslie E., Jr., to the United States of America as represented by the Secretary of the Army. 2,702,900, Cl. 343—18.  
 Matsumoto, Genzaburo, R. Masuda, and T. Ishida. 2,727,495, Cl. 122—185.  
 Matt, Richard J.: *See*—  
 Bull, Arthur W., and Matt. 2,705,529.  
 Mattair, Robert: *See*—  
 Sisler, Harry H., and Mattair. 2,710,248.  
 Mattano, Leonard A., to Standard Oil Co. 2,727,075, Cl. 260—650.  
 Mattatuck Mfg. Co., The: *See*—  
 Schiesel, Ervin E. 2,708,591.  
 Schiesel, Ervin E. 2,723,004.  
 Matto, Inc.: *See*—  
 Mattingly, Virdean R., and Mallory. 2,701,743.  
 Matter, Max, to Ciba Pharmaceutical Products Inc. 2,714,607, Cl. 260—471.  
 Matter, Max, to Ciba Pharmaceutical Products Inc. 2,714,608, Cl. 260—471.  
 Matter, Max, to Ciba Pharmaceutical Products Inc. 2,714,609, Cl. 260—471.  
 Matter, Max, to Ciba Pharmaceutical Products Inc. 2,714,610, Cl. 260—471.  
 Matter, Roger E., and R. H. Miller, to Federal Products Corp. 2,715,165, Cl. 200—61.41.  
 Matthes, Herbert E. 2,710,481, Cl. 43—44.8.  
 Matthew, James S. 2,699,352, Cl. 292—272.  
 Matthews, Elmer J.: *See*—  
 Matthews, Howard W. 2,723,618.  
 Matthews, Ethel K.: *See*—  
 Matthews, Howard W. 2,723,618.  
 Matthews, Harry S. 2,712,566, Cl. 174—153.  
 Matthews, Howard W., deceased; E. K. and E. J. Matthews and R. H. Kline, executors, to Turbo Machine Co. 2,723,618, Cl. 100—53.  
 Matthews, John H., & Sons: *See*—  
 Matthews, Vincent J. 2,721,007.  
 Matthews, John W., Jr. 2,699,627, Cl. 45—131.  
 Matthews, Kenneth A.: *See*—  
 White, Charles D., and Matthews. 2,701,281.



- Matthews, Kenneth A., and R. A. Hyman, to International Standard Electric Corp. 2,713,132, Cl. 317—236.
- Matthews, La Verne A., to Excelsior Loom Reed Works, Inc. 2,705,977, Cl. 139—192.
- Matthews, Lillian C.: *See*—  
Cooney, Clarissa M., and Matthews. 2,711,535.
- Matthews, Lloyd E.: *See*—  
Chelgren, Arvid E., Bell, and Matthews. 2,726,334.
- Matthews, Newton L. 2,728,527, Cl. 241—107.
- Matthews, Robert M.: *See*—  
Leath, William J., and Matthews. 2,714,757.
- Matthews, Russell B.: *See*—  
Hilgert, Adolph J., and Matthews. 2,717,123.
- Matthews, Russell B., to Milwaukee Gas Specialty Co. 2,717,381, Cl. 236—21.
- Matthews, Russell R., to The Firth Carpet Co., Inc. 2,699,593, Cl. 28—72.
- Matthews, Russell R., to The Firth Carpet Co., Inc. 2,718,243, Cl. 139—401.
- Matthews, Vincent J., to John H. Matthews & Sons. 2,721,007, Cl. 222—227.
- Matthies, Roland A. 2,711,142, Cl. 112—147.
- Matthiesen, Marvin W. 2,707,552, Cl. 260—37.
- Matthysse, Irving F., to Burndy Engineering Co., Inc. 2,716,150, Cl. 174—152.
- Matthysse, Irving F., to Burndy Engineering Co., Inc. 2,716,275, Cl. 29—459.
- Matthysse, Irving F., to Burndy Engineering Co., Inc. 2,724,097, Cl. 339—268.
- Matthysse, Irving F., and H. P. Dupre, to Burndy Engineering Co., Inc. 2,705,745, Cl. 200—137.
- Mattikow, Morris, and D. Perlman, to B. Clayton, d. b. a. Refining Unincorporated. 2,704,764, Cl. 260—333.
- Mattikow, Morris, and D. Perlman, to B. Clayton, d. b. a. Refining Unincorporated. 2,721,872, Cl. 260—412.5.
- Mattill, Eugen, and G. Reitzel. 2,728,369, Cl. 150—45.
- Mattlingly, Virdean R., and G. C. Mallory, to Mattco, Inc. 2,701,743, Cl. 309—3.
- Mattio, Christy. 2,723,863, Cl. 280—47.24.
- Mattison Machine Works: *See*—  
Peterson, Gustaf J. 2,714,906.
- Mattix, Emory D., to Cities Service Refining Corp. 2,703,981, Cl. 73—207.
- Mattke, Charles F., to Bell Telephone Laboratories, Inc. 2,718,549, Cl. 178—7.2.
- Mattox, James O.: *See*—  
Mattox, Zeb and J. O. 2,723,425.
- Potter, Harris E., and Z. and J. O. Mattox. 2,712,156.
- Mattox, William J., to Standard Oil Development Co. 2,700,642, Cl. 202—14.
- Mattox, William J., to Esso Research and Engineering Co. 2,707,713, Cl. 260—449.6.
- Mattox, William J., and F. J. Buchmann, to Esso Research and Engineering Co. 2,708,674, Cl. 260—449.6.
- Mattox, Wyatt H. 2,727,590, Cl. 185—41.
- Mattox, Zeb: *See*—  
Potter, Harris E., and Z. and J. O. Mattox. 2,712,156.
- Mattox, Zeb and J. O., to Precision Recapping Equipment Co. 2,723,425, Cl. 18—18.
- Mattson, Fred P. 2,699,956, Cl. 280—457.
- Mattson, George W., to Ethyl Corp. 2,702,419, Cl. 22—200.1.
- Mattson, Vernon L.: *See*—  
Smith, William A., Mattson, and Meyer. 2,721,657.
- Smith, William A., Mattson, Meyer, and Baxter. 2,724,499.
- Matulaitis, Victor E., to Eaton Mfg. Co. 2,704,205, Cl. 257—137.
- Matuszak, Alfred H.: *See*—  
Haworth, Joseph P., Jonach, Hickok, and Matuszak. 2,701,754.
- Matuzas, Anthony J.: *See*—  
Peets, Wilbur J., Happe, and Matuzas. 2,706,956.
- Matuzas, Anthony J., to The Singer Mfg. Co. 2,705,055, Cl. 184—1.
- Matuzas, Anthony J., to The Singer Mfg. Co. 2,723,635, Cl. 112—210.
- Matuzas, Anthony J., to The Singer Mfg. Co. 2,724,354, Cl. 112—210.
- Matz, Charles L. 2,706,131, Cl. 294—16.
- Mau, Clayton C. 2,701,428, Cl. 43—90.
- Maude, Aylmer H., and D. S. Rosenberg, to Hooker Electrochemical Co. 2,714,124, Cl. 260—648.
- Mauer, Frederick. 2,703,248, Cl. 292—256.65.
- Mauer, Karl F. 2,708,450, Cl. 137—612.1.
- Maugh, Murrel C. 2,704,661, Cl. 265—40.
- Maul, Michael. 2,703,524, Cl. 101—93.
- Maul, Michael. 2,703,616, Cl. 164—115.
- Maul, Michael. 2,703,617, Cl. 164—115.
- Maul, Michael. 2,703,618, Cl. 164—115.
- Maul, Michael, and M. Pfeiffer; said Pfeiffer assor. to said Maul. 2,703,142, Cl. 164—113.
- Maul, Michael. 2,708,514, Cl. 209—110.
- Maul, Michael. 2,708,971, Cl. 164—112.
- Maulsby, Leon K. 2,715,461, Cl. 209—139.
- Maumee Collieries Co., The: *See*—  
Lee, Hugh B., and Akre. 2,703,528.
- Maumee Development Co.: *See*—  
Schlaudecker, George F. 2,705,242.
- Maupas, Charles F. E. 2,712,043, Cl. 200—88.
- Maupin, James F.,  $\frac{1}{2}$  to A. N. Klein. 2,711,317, Cl. 270—20.
- Maupin, Leslie E. 2,726,452, Cl. 33—93.
- Maurer, Albrecht, to Ringspann Gesellschaft m. b. H. 2,725,964, Cl. 192—68.
- Maurer, Jakob and R., to Ritter Co., Inc. 2,709,852, Cl. 32—58.
- Maurer, Paul H., to National Pneumatic Co., Inc. 2,710,186, Cl. 268—50.
- Maurer, Philip W.: *See*—  
Owen, Webster J., Gordon, and Maurer. 2,714,808.
- Maurer, Philip W., and W. J. Teil, to General Motors Corp. 2,725,257, Cl. 301—37.
- Maurer, Pierre W., to Radio Corp. of America. 2,719,543, Cl. 140—71.5.
- Maurer, Richard E.: *See*—  
Yule, John A. C., and Maurer. 2,708,626.
- Maurer, Robert: *See*—  
Maurer, Jakob and R. 2,709,852.
- Maurer, Sam,  $\frac{1}{2}$  to P. A. Seidel. 2,709,008, Cl. 214—16.1.
- Maurer, Spencer B., to Chicago Pneumatic Tool Co. 2,717,672, Cl. 192—.02.
- Maurer, Spencer B. 2,725,961, Cl. 192—.096.
- Maurice, Clayton H., Jr.: *See*—  
Bradley, Robert O., and Maurice. 2,724,585.
- Maurice, Reginald E. 2,699,266, Cl. 214—16.1.
- Mauro, Virginia. 2,705,957, Cl. 128—288.
- Mautner, Leonard: *See*—  
Creveling, Cyrus J., and Mautner. 2,708,736.
- Mautner, Robert S. 2,712,569, Cl. 178—5.8.
- Mautner, Robert S., and S. Rosenberg, to Electrocell Corp. 2,701,271, Cl. 136—6.
- Mautner, Robert S., and S. Rosenberg, to Electrocell Corp. 2,704,781, Cl. 136—170.
- Mautner, Steven E., to Skydyne, Inc. 2,717,093, Cl. 217—56.
- Mautner, Steven E., to Skydyne, Inc. 2,724,468, Cl. 190—37.
- Mauzy, Laura A. 2,727,787, Cl. 299—90.
- Mavor & Coulson Ltd.: *See*—  
Reed, Robert H. 2,718,962.
- Thompson, James. 2,727,617.
- Thomson, James, and Findlay. 2,707,403.
- Mawbey, Lawrence, to United Shoe Machinery Corp. 2,712,660, Cl. 12—33.
- Mawbey, Lawrence, to United Shoe Machinery Corp. 2,720,101, Cl. 69—9.1.
- Maxa, Jerry F.: *See*—  
Bruce, John N., and Maxa. 2,722,397.
- Maxant, William T. 2,700,352, Cl. 112—261.
- Maxant, William T. 2,711,143, Cl. 112—201.
- Maxim Silencer Co., The: *See*—  
Knapp, Leslie E. 2,724,599.
- Maxson, W. L., Corp., The: *See*—  
Kellogg, Donald S., and Walker. 2,716,520.
- Lauder, Wallace A. 2,728,826.
- Levenstein, Harold, and Bracutt. 2,709,234.
- Maxwell, Charles E., III, and C. J. Salivar, to Chas. Pfizer & Co., Inc. 2,715,625, Cl. 260—256.4.
- Maxwell, Frank R. Re. 24,099, Cl. 244—42.
- Maxwell, Harold A.: *See*—  
Billner, Karl P., Creskoff, and Maxwell. 2,715,038.
- Maxwell, John A. 2,699,134, Cl. 113—116.
- Maxwell, Thomas M., Jr.: *See*—  
Baracket, Albert J., Maxwell, Jr., and Numrich. 2,723,307.
- May Brothers Mfg. Co., Inc.: *See*—  
May, George. 2,708,121.
- May, Carolyn H.: *See*—  
Miller, Adam C. 2,699,268.
- May, Clayton A.: *See*—  
Shokal, Edward C., and May. 2,728,781.
- May, Clayton A., and E. C. Shokal, to Shell Development Co. 2,728,744, Cl. 260—47.
- May, Cliff: *See*—  
Choate, Christian E. 2,719,308.
- May, David. 2,703,577, Cl. 128—284.
- May, Edward M., to Meco-Pilot Mfg. Co. 2,704,945, Cl. 74—567.
- May, Edward M., to Meco-Pilot Mfg. Co. 2,704,997, Cl. 121—45.
- May, Edwin A., to Becton, Dickinson and Co. 2,722,931, Cl. 128—173.
- May, Ellwood H. 2,722,034, Cl. 16—171.
- May, Frank J., to Rembrandt Lamp Corp. 2,699,342, Cl. 285—91.
- May, George, to May Brothers Mfg. Co., Inc. 2,708,121, Cl. 280—480.
- May, Harry C.: *See*—  
Cotter, George L., and May. 2,707,133.
- May, Harry C., to Westinghouse Air Brake Co. 2,706,995, Cl. 137—116.5.
- May, James T.: *See*—  
Bolenbaugh, Elmer P. 2,711,323.
- May, Michael: *See*—  
Jacobs, Donald H., and May. 2,706,247.
- Jacobs, Donald H., Shoemaker, and May. 2,719,670.
- May, Michael, to Hughes Aircraft Co. 2,707,591, Cl. 235—61.
- May, Russell D., to H<sub>2</sub> Oil Engineering Corp. 2,710,666, Cl. 183—41.
- May, Theodore F.: *See*—  
Mullan, Daniel, May, and Bauer. 2,720,690.
- May, Walter G.: *See*—  
Kearby, Kenneth K., and May. 2,719,112.
- Matheson, George L., May, and Baeder. 2,708,516.
- Maybach, Karl: *See*—  
Seifert, Richard, and Barth. 2,717,805.
- Maybach, Karl. 2,710,602, Cl. 123—41.76.
- Maybach, Karl. 2,720,193, Cl. 123—41.36.



- Maybach, Karl, M. von Kienlin, and K. Sternkopf; said von Kienlin and said Sternkopf assors. to said Maybach. 2,717,583, Cl. 123—75.
- Mayer, Albert C.: *See*—  
Blackmore, Joseph J., and Mayer. 2,710,664.
- Mayer, Charles W., Jr.: *See*—  
Mayer, Charles W., Sr., and C. W. Mayer, Jr. 2,707,538.
- Mayer, Charles W. Sr., and C. W. Mayer, Jr. 2,707,538, Cl. 190—16.
- Mayer, Edgar G., to Rivoli Corset Co. Inc. 2,707,280, Cl. 2—37.
- Mayer, Edward J., 25% to R. Burger, 25% to A. Klein, and 25% to R. Mayer. 2,702,245, Cl. 99—2.
- Mayer, Erwin, and E. A. F. Bolin, to Uddeholms Aktiebolag. 2,725,301, Cl. 106—193.
- Mayer, Eugene O., to The Singer Mfg. Co. 2,715,883, Cl. 112—248.
- Mayer, Frederick G.: *See*—  
Kelly, Bernard J., and Mayer. 2,722,265.
- Mayer, Germain. 2,703,891, Cl. 9—17.
- Mayer, Hans, E. Jaschinsky, G. Neuerburg, and E. Lerp, to Vergaserbau Hamburg G. Neuerburg & Co. 2,699,928, Cl. 261—69.
- Mayer, Harry F., to General Electric Co. 2,727,209, Cl. 324—68.
- Mayer, Herbert G. F.: *See*—  
Schorsch, Ludwig, and Mayer. 2,725,599.
- Mayer, Ivan, to Esso Research and Engineering Co. 2,728,712, Cl. 196—50.
- Mayer, John N.: *See*—  
Smith, Edward W. 2,719,559.
- Mayer, Robert. *See*—  
Amelio, Armand F., and Mayer. 2,705,576.
- Mayer, Edward J. 2,702,245.
- Mayer, Robert, Jr., to Well Reconnaissance, Inc. 2,709,637, Cl. 346—107.
- Mayer, Wilhelm: *See*—  
Schaefer, Friedrich, and Mayer. 2,711,841.
- Mayer-Ortiz, Carlos, and R. Mutz. 2,706,451, Cl. 103—93.
- Mayes, Carl G., to The Firestone Tire & Rubber Co. 2,700,691, Cl. 260—810.
- Mayes, Raymond O. 2,700,388, Cl. 130—6.
- Mayfield, George C. 2,717,661, Cl. 184—14.
- Mayhew, J. H., Co., The: *See*—  
Baker, Arthur W., and Porter. 2,699,938.
- Mayhew, Robert L., to Hydrocarbon Research, Inc. 2,699,175, Cl. 137—106.
- Maykuth, Daniel J.: *See*—  
Jaffee, Robert I., Ogden, and Maykuth. Re. 24,013.
- Mayland, Bertrand J., to Phillips Petroleum Co. 2,716,053, Cl. 23—209.5.
- Mayland, Bertrand J., to Phillips Petroleum Co. 2,719,107, Cl. 196—14.46.
- Mayle, Louis F., to Farnsworth Research Corp. 2,723,347, Cl. 250—27.
- Mayle, Louis F., to Farnsworth Research Corp. 2,726,350, Cl. 315—14.
- Maynard, Charles E., to Pro-phy-lac-tic Brush Co. 2,718,024, Cl. 15—186.
- Maynard, John T.: *See*—  
Alderson, Witty L., Jr., and Maynard. 2,728,637.
- Maynard, John T., to E. I. du Pont de Nemours and Co. 2,707,180, Cl. 260—92.3.
- Maynard, Lyman E.: *See*—  
Stanley, Aubrey H., and Maynard. 2,720,963.
- Mayne, Robert A.: *See*—  
Brewer, Wendell N., Sheets, and Mayne. 2,726,006.
- Rifner, Frank D. 2,700,826.
- Mayner, Thomas S., to Industrial Rayon Corp. 2,706,035, Cl. 203—183.
- Maynor, Broadus J., and W. C. Fincher. 2,721,583, Cl. 139—336.4.
- Maynor, Eugene A., to Maynor Research Foundation, Inc. 2,707,373, Cl. 60—39.02.
- Maynor Research Foundation, Inc.: *See*—  
Maynor, Eugene A. 2,707,373.
- Mayo, Alfred C. 2,728,280, Cl. 95—31.
- Mayo, Alfred M.: *See*—  
Heinemann, Edward H., Mayo, and Walpole. 2,702,680.
- Heinemann, Edward H., Mayo, and Walpole. 2,708,555.
- Mayo, Clyde R.: *See*—  
Codichini, Joseph J., Benson, and Mayo. 2,701,765.
- Mayo, Robert S. 2,706,433, Cl. 90—15.
- Maysilles, Philip. 2,709,289, Cl. 24—200.
- Maytag Co., The: *See*—  
Smith, Thomas R. Re. 24,034.
- Smith, Thomas R. 2,706,346.
- Smith, Thomas R. 2,708,092.
- Smith, Thomas R. 2,711,827.
- Smith, Thomas R. 2,717,456.
- Smith, Thomas R. 2,717,457.
- Smith, Thomas R. 2,717,675.
- Smith, Thomas R., and Steward. 2,722,750.
- Steward, Colby W. 2,722,751.
- Turner, Eugene L. 2,703,737.
- Mazany, Eleanor W. 2,710,695, Cl. 211—105.3.
- Mazer, Jacob. 2,714,839, Cl. 92—51.
- Mazis, Bernard. 2,728,538, Cl. 244—63.
- Mazzagatti, Roy P., O. D. Stephens, and A. S. Connors, to The Texas Co. 2,701,175, Cl. 316—20.
- Mazzella, Joseph S. 2,699,803, Cl. 139—425.
- Mazzeo, Frank J. 2,705,968, Cl. 135—40.
- Mazzoni, James J.: *See*—  
Ostroff, Harold H., Ballauer, and Mazzoni. 2,706,885.
- McAdam, Harry H., to Wetmore Hodges, d. b. a. Wetmore Hodges and Associates. 2,711,286, Cl. 230—139.
- McAdam, Will: *See*—  
Williams, Albert J., Jr., Clark, and McAdam. 2,724,022.
- McAdam, Will, to Leeds and Northrup Co. 2,719,265, Cl. 324—100.
- McAdams, Bruce, to International Telephone and Telegraph Corp. 2,707,211, Cl. 179—16.
- McAfee, Jerry, to Gulf Research & Development Co. 2,723,943, Cl. 196—24.
- McAfee, Walter E., to Leavitt Machine Co. 2,720,736, Cl. 51—241.
- McAfee, Warren H.: *See*—  
Freers, Sidney L., and McAfee. 2,706,020.
- McAlevy, Ambrose, to E. I. du Pont de Nemours and Co. 2,723,257, Cl. 260—79.3.
- McAlister, Terry F., to B. W. Sager. 2,722,593, Cl. 219—38.
- McAlister, Donald C., to Anaconda Copper Mining Co. 2,708,104, Cl. 255—72.
- McAndrews, Donald. 2,726,714, Cl. 155—189.
- McAneny, Redmond, 1/2 to R. J. Irish. 2,702,212, Cl. 305—9.
- McAninch, Herbert A.: *See*—  
Tharpe, Rollin B., and McAninch. 2,711,100.
- McArdle, Charles F., to Baldwin-Lima-Hamilton Corp. 2,718,436, Cl. 303—3.
- McArthur, Elmer D., to General Electric Co. 2,702,349, Cl. 250—36.
- McArthur, Elmer D., to the United States of America as represented by the Secretary of the Navy. 2,713,653, Cl. 315—39.53.
- McArthur, Geo., & Sons, Inc.: *See*—  
McArthur, Robert M. 2,710,413.
- McArthur, Ian A.: *See*—  
Dijksman, Derek J., and McArthur. 2,725,397.
- McArthur, Richard E., and J. S. Logan, to Olin Mathieson Chemical Corp. 2,713,044, Cl. 260—94.9.
- McArthur, Robert M., to Geo. McArthur & Sons, Inc. 2,710,413, Cl. 5—129.
- McAteer, James H., to Esso Research and Engineering Co. 2,716,661, Cl. 260—514.
- McAuliffe, Patrick D. 2,722,741, Cl. 30—201.
- McAver, Walter J. 2,721,472, Cl. 72—96.
- McAvoy, Frank E., to J. Milton, Jr., as trustee. 2,709,592, Cl. 273—102.2.
- McBath, Bartley R., to Worthington Corp. 2,701,648, Cl. 214—1.
- McBee, Earl T., and J. A. Bittles, to Purdue Research Foundation. 2,716,140, Cl. 260—648.
- McBerty, Robert K. 2,720,704, Cl. 33—27.
- McBrair, Henry C., to Wallace & Tiernan Inc. 2,720,107, Cl. 73—17.
- McBride, Byron V., to Westinghouse Electric Corp. 2,725,310, Cl. 117—75.
- McBride, Edward J. 2,725,202, Cl. 242—131.
- McBride, Frank D. 2,713,315, Cl. 113—110.
- McBride, James J.: *See*—  
Dorsey, Clyde W. 2,719,994.
- McBride, James P., to G. S. Carrick. 2,723,173, Cl. 311—85.
- McBride, John W., to Bantar, Inc. 2,727,421, Cl. 84—315.
- McBride, John W., to Bantar, Inc. 2,727,422, Cl. 84—315.
- McBride, Joseph J., Jr.: *See*—  
Bishop, John W., and McBride. 2,709,156.
- McCabe, Albert, to American Machine & Foundry Co. 2,722,305, Cl. 198—24.
- McCabe, Daniel U. 2,709,316, Cl. 43—26.1.
- McCabe, Edward T., dedicated to the free use of the people in the Territory of the United States. 2,724,677, Cl. 167—30.
- McCabe-Powers Auto Body Co.: *See*—  
Balogh, Roy O. 2,713,402.
- Hurst, Norman F. 2,711,803.
- McCain, Cecil C., to Western Electric Co., Inc. 2,706,512, Cl. 153—16.
- McCain, Homer I. 2,726,586, Cl. 95—49.
- McCall, Marvin A.: *See*—  
Coover, Harry W., Jr., and McCall. 2,716,100.
- Coover, Harry W., Jr., and McCall. 2,716,101.
- McCallum, Arthur, to Flako Products Corp. 2,708,042, Cl. 214—300.
- McCallum, Donald M., to Ferranti Ltd. 2,716,198, Cl. 313—231.
- McCallum, Donald M., and H. Gent, to Ferranti Ltd. 2,699,677, Cl. 73—194.
- McCallum, Robert A., to Goodman Mfg. Co. 2,725,223, Cl. 262—30.
- McCann, Harold G.: *See*—  
Harris, John E., Jr., Smith, and McCann. 2,716,594.
- McCann, Kelly F., to Warner Lewis Co. 2,717,082, Cl. 210—169.
- McCann, Walter L., to Davis & Thompson Co. 2,699,856, Cl. 192—56.
- McCanner, Arthur T., Jr.: *See*—  
Betts, George E., Jr., Blekfeld, and McCanner. 2,716,959.
- McCargar, George L. 2,717,143, Cl. 249—19.
- McCarran, Thomas A., to Sears, Roebuck and Co. 2,702,732, Cl. 311—4.
- McCarson, Raymond F. 2,724,427, Cl. 155—45.
- McCartan, Thomas, to Bee and Gee Mfg. Co., Inc. 2,725,272, Cl. 312—228.
- McCarthy, Edward L., to The Perkin-Elmer Corp. 2,698,555, Cl. 88—57.
- McCarthy, Edward L., to The Perkin-Elmer Corp. 2,725,786, Cl. 88—24.



- McCarthy, Edwin L., to Bartlett and Co. Grain. 2,711,814, Cl. 198—64.
- McCarthy, Henry J., to Bomac Laboratories Inc. 2,717,475, Cl. 49—81.
- McCarthy, Ivan A., 25% to R. A. Armitage. 2,728,371, Cl. 152—226.
- McCarthy, John H.: *See*—  
Risk, Norman E., and McCarthy. 2,702,603.
- McCarthy, John W., to Phillips Petroleum Co. 2,708,983, Cl. 183—119.
- McCarthy, Lawrence J., to Chemical Construction Corp. 2,712,303, Cl. 122—319.
- McCarthy, Paul R., to Gulf Research & Development Co. 2,710,837, Cl. 252—40.7.
- McCarthy, Paul R., and T. R. Oren, to Gulf Research & Development Co. 2,704,276, Cl. 252—49.7.
- McCarthy, Timothy F., to Goodman Mfg. Co. 2,715,502, Cl. 241—200.
- McCarthy, Vincent J., and H. L. Weikart, to The Salem Tool Co. 2,720,391, Cl. 262—9.
- McCartin, Joseph P., to Nit-Ra-Cam Corp. 2,701,481, Cl. 74—751.
- McCarty, Adrian C., 2,714,979, Cl. 224—5.
- McCarty, Lourdes V., and F. F. Heiser, to A. P. Controls Corp. 2,719,673, Cl. 236—48.
- McCarty, Orin P.: *See*—  
Foley, Robert T., and McCarty. 2,717,296.
- McCarty, Theodore M., to Gibson, Inc. 2,714,326, Cl. 84—299.
- McCathron, Claude B., to Graflex, Inc. 2,717,543, Cl. 95—44.
- McCauley, David A.: *See*—  
Lien, Arthur P., and McCauley. 2,713,552.  
Lien, Arthur P., and McCauley. 2,722,502.  
Lien, Arthur P., and McCauley. 2,726,275.
- McCauley, David A., and A. P. Lien, to Standard Oil Co. 2,700,689, Cl. 260—668.
- McCauley, David A., and A. P. Lien, to Standard Oil Co. 2,722,560, Cl. 260—671.
- McCauley, David A., and A. P. Lien, to Standard Oil Co. 2,723,218, Cl. 196—13.
- McCauley, David A., and A. P. Lien, to Standard Oil Co. 2,725,413, Cl. 260—671.
- McCauley, David A., and A. P. Lien, to Standard Oil Co. 2,727,011, Cl. 252—428.
- McCauley, David A., and A. P. Lien, to Standard Oil Co. 2,728,803, Cl. 260—674.
- McCauley Industrial Corp.: *See*—  
Haines, John F. 2,702,086.
- McCauley, John W.: *See*—  
Doty, Clifford B., Gage, and McCauley. 2,720,914.
- McCaustland, John W., to Universal Oil Products Co. 2,723,949, Cl. 196—52.
- McCellan, Marcus E., to Deere Mfg. Co. 2,716,317, Cl. 56—1.
- McChesney, Hervey B., Jr. 2,723,131, Cl. 280—221.
- McClain, Edward F. 2,715,210, Cl. 333—7.
- McClain, Harry W. 2,714,502, Cl. 261—44.
- McCleary, Thomas J.: *See*—  
Talbot, Ralph H., and McCleary. 2,725,293.
- McCleary, Harold L. 2,710,372, Cl. 318—231.
- McCleary, James A., to British Insulated Callender's Cables Ltd. 2,722,963, Cl. 154—2.25.
- McCleary, Ray: *See*—  
Frese, Verne. 2,709,835.
- McClellan, Cyril E., to Westinghouse Electric Corp. 2,712,061, Cl. 250—8.
- McClellan, Marcus E., and A. B. Skromme, to Deere Mfg. Co. 2,719,619, Cl. 192—46.
- McClellan, Paul V. 2,726,554, Cl. 74—562.5.
- McClellan, William R., to E. I. du Pont de Nemours and Co. 2,716,093, Cl. 260—29.6.
- McClelland, Etheridge R.: *See*—  
Fox, Richard D., and McClelland. 2,705,037.
- McClelland, John C., to Reeves Pulley Co. 2,703,986, Cl. 74—230.17.
- McClelland, John W., ½ to L. S. Manco. 2,720,238, Cl. 152—216.
- McClelland, Marian L.: *See*—  
Julian, Percy L., Iveson, and McClelland. 2,724,649.
- McClemens, Samuel W.: *See*—  
Wick, Richard M., Jones, and McClemens. 2,716,079.
- McClennan, Morton, to Austin Powder Co. 2,701,126, Cl. 255—61.
- McClennan, Morton, to Austin Powder Co. 2,705,128, Cl. 255—61.
- McClenny, James F., Jr. 2,710,683, Cl. 198—184.
- McClenny, Robert W. 2,727,640, Cl. 214—140.
- McCleskey, Henry F. 2,705,648, Cl. 280—488.
- McClmans, Thomas L. ½ to A. M. Goldberg, d. b. a. Meier & Frank Merchandise Co. 2,721,585, Cl. 140—92.7.
- McClintock, Cecil V.: *See*—  
Lacy, Roy, McClintock, and Rossier. 2,706,319.
- McClintock, Hazel C.: *See*—  
Lacy, Roy, McClintock, and Rossier. 2,706,319.
- McCloud, Effie E. 2,708,311, Cl. 30—120.
- McCloud, M. David: *See*—  
Furst, Valle A. 2,716,438.
- McCloy, Harold: *See*—  
Soles, Leland L. 2,709,014.
- McCluhan, Neil R.: *See*—  
Nitzel, Kenneth E., and McCluhan. 2,721,351.
- McClure, Carroll D., to Socony Mobil Oil Co., Inc. 2,725,527, Cl. 324—57.
- McClure, Glen E., to Standard Coll Products Co., Inc. 2,709,802, Cl. 340—345.
- McClure, Glenn T., to Westinghouse Air Brake Co. 2,721,104, Cl. 303—60.
- McClure, Glenn T., G. M. Thomas, and E. G. Erson, to Westinghouse Air Brake Co. 2,723,884, Cl. 303—3.
- McClure, James H. 2,699,885, Cl. 222—126.
- McClure, John W. 2,700,782, Cl. 15—39.
- McClure, Victor B. 2,706,819, Cl. 5—94.
- McClure, Walter, to Liquifoil Corp. 2,704,427, Cl. 53—86.
- McClure, William H.: *See*—  
Murray, Royce L., McClure, and Garrison. Re. 23,930.
- McClure, William L., to Sun Oil Co. 2,704,691, Cl. 302—53.
- McClure, William L., to Sun Oil Co. 2,705,664, Cl. 302—59.
- McCluskey, Robert T. 2,709,217, Cl. 240—2.
- McColl, Bruce J. 2,720,988, Cl. 214—77.
- McColl, Meredith A. 2,707,830, Cl. 30—336.
- McCollom, Kenneth A., and D. R. de Boisblanc, to Phillips Petroleum Co. 2,715,832, Cl. 73—35.
- McCcollough, John D., to Houston-Fearless Corp. 2,705,599, Cl. 242—55.
- McCollum, Dean. 2,698,999, Cl. 33—95.
- McCombie, Frederick W., to Megator Pumps & Compressors Ltd. 2,728,615, Cl. 308—187.1.
- McConnaughey, Paul W., to Mine Safety Appliances Co. 2,728,639, Cl. 23—232.
- McConnell, Albert L., and R. W. Medeiros, to Scott Paper Co. 2,717,224, Cl. 154—117.
- McConnell, Frank J., to The American Hardware Corp. 2,702,466, Cl. 70—210.
- McConnell, Frank J., to The American Hardware Corp. 2,724,258, Cl. 70—149.
- McConnell, Frank J., and I. J. Fletcher, to The American Hardware Corp. 2,713,257, Cl. 70—224.
- McConnell, Frederick L. 2,710,005, Cl. 128—227.
- McConnell, Robert K.: *See*—  
Jewell, Vernon E., and McConnell. 2,706,570.
- McConnell, William M., and J. R. Von Hofen, to Taylor-Wilson Mfg. Co. 2,707,876, Cl. 73—37.
- McConnohie, Levi L. 2,702,511, Cl. 103—189.
- McCool, Hugh D. 2,707,436, Cl. 102—21.
- McCormack, Foster D., to Minnesota and Ontario Paper Co. 2,703,513, Cl. 92—43.
- McCormack, John C., and J. L. White, deceased; J. C. McCormack, administrator of said J. L. White, to Four-Way Awning Co. 2,699,812, Cl. 153—16.
- McCormick, Frank, to Federal Carton Corp. 2,700,463, Cl. 206—65.
- McCormick, Jerry R. D.: *See*—  
Phelps, Allen S., Muller, and McCormick. 2,700,635.
- McCormick, John A., to General Steel Castings Corp. 2,710,676, Cl. 188—212.
- McCormick, Stanley. 2,705,444, Cl. 97—46.01.
- McCormick, Walter R., Jr.: *See*—  
Van Hare, George F., Jr., and McCormick. 2,728,636.
- McCormick, Walter R., Jr., to National Lead Co. 2,718,455, Cl. 23—126.
- McCorquodale & Co. Ltd.: *See*—  
Gresham, Donald C. 2,704,252.  
Gresham, Donald C. 2,704,254.  
Gresham, Donald C. 2,711,372.  
Gresham, Donald C. 2,715,578.  
Gresham, Donald C. 2,721,032.
- McCoy, Clarence E., to Western Electric Co., Inc. 2,724,484, Cl. 198—24.
- McCoy, Robert L., and F. C. Vose, to General Electric Co. 2,721,362, Cl. 20—99.
- McCoy, Vinton R. 2,698,742, Cl. 259—178.
- McCrae, James. 2,722,039, Cl. 19—28.
- McCray Refrigerator Co., Inc.: *See*—  
Burger, Ralph J. 2,715,321.
- McCrea, Charles L. 2,706,395, Cl. 72—95.
- McCready, Byron R. 2,703,090, Cl. 131—175.
- McCready, Rolland M., R. L. Olson, and W. O. Harrington, to the United States of America as represented by the Secretary of Agriculture. 2,707,684, Cl. 99—207.
- McCreary Foundation, Inc.: *See*—  
Rankin, Floyd C., and Good. 2,715,941.
- McCreary, Harold J., to Automatic Electric Laboratories, Inc. 2,703,388, Cl. 332—51.
- McCreary, Harold J., to Automatic Electric Laboratories, Inc. 2,713,615, Cl. 179—18.
- McCreary, Marcus C. 2,713,111, Cl. 219—35.
- McCreery, Frank E., to Rohr Aircraft Corp. 2,712,456, Cl. 285—90.
- McCrory, John F.: *See*—  
Robbins, Daniel T., and McCrory. 2,703,131.
- McCrossen, Fred C., P. W. Vittum, and A. Weissberger, to Eastman Kodak Co. 2,728,658, Cl. 95—6.
- McCuaig, William C. 2,702,141, Cl. 217—43.
- McCubbin, Glenn O. 2,716,225, Cl. 339—75.
- McCuiston, Tommy J. 2,703,108, Cl. 138—31.
- McCulloch, Leon, to Westinghouse Electric Corp. 2,722,561, Cl. 174—17.
- McCulloch Motors Corp.: *See*—  
Jovanovich, Dragoljub K. 2,712,356.
- McCullough, Earl J.: *See*—  
Gibson, Richard J., and McCullough. 2,704,138.
- McCullough, Edward M.: *See*—  
Bonnette, Leroy E., McCullough, and Born. 2,699,123.
- McCullough, Ira J.: *See*—  
McCullough, Otis J. 2,725,942.
- McCullough, Jack A., to Eitel-McCullough, Inc. 2,713,532, Cl. 316—19.



- McCullough, James N., S. Halle, and J. H. Walter, 10,75/100 to L. V. B. Sutton, 3,58/100 to R. L. Spurgeon, and 14,33/100 to J. H. Rohrer. 2,699,493, Cl. 250—2.
- McCullough, Joseph, 2,700,754, Cl. 340—116.
- McCullough, Lowell O., C. E. Price, C. H. Beam, and R. F. Skinner, to Lance, Inc. 2,725,172, Cl. 229—16.
- McCullough, Otis J., to McCullough Tool Co. 2,725,820, Cl. 102—20.
- McCullough, Otis J.,  $\frac{1}{2}$  to I. J. McCullough. 2,725,942, Cl. 166—224.
- McCullough, Paul J., to The Toastswell Co., Inc. 2,705,428, Cl. 74—575.
- McCullough, Paul J., to The Toastswell Co., Inc. 2,724,039, Cl. 219—19.
- McCullough Tool Co.: *See—*
- McCullough, Otis J. 2,725,820.
- Shidell, Garold A., and Bonds. 2,725,940.
- McCumber, Forest H. 2,716,960, Cl. 115—41.
- McCune, John S., and W. E. Hanks, to Oilwell Drain Hole Drilling Co. 2,712,436, Cl. 255—28.
- McCune, John S., and W. E. Hanks, to Oilwell Drain Hole Drilling Co. 2,716,540, Cl. 255—1.6.
- McCune, John S., and W. E. Hanks, to Oilwell Drain Hole Drilling Co. 2,726,847, Cl. 255—1.6.
- McCune, William J., Jr.: *See—*
- Bachelor, Albert J., McCune and Wolff. 2,709,223.
- McCune, William J., Jr., to Polaroid Corp. 2,723,051, Cl. 222—107.
- McCurdy, Horace L., 60% to R. A. Bronnenberg. 2,718,388, Cl. 261—44.
- McCurdy, John L.: *See—*
- McDonald, Donald L., Coulter, and McCurdy. 2,727,884.
- McCurdy, William N., Jr.: *See—*
- Lewis, Warren K., Gilliland, and McCurdy. 2,715,948.
- McCurdy, William N., Jr., to Esso Research and Engineering Co. 2,723,948, Cl. 196—52.
- McCusker, Gerald A. 2,714,478, Cl. 223—33.
- McCutchen, Brunson S.: *See—*
- Griffin, Dana A., and McCutchen. 2,705,741.
- McCutcheon, George K.: *See—*
- Best, Albert M., and McCutcheon. 2,714,259.
- McCutcheon, Joseph K. 2,707,446, Cl. 112—79.
- McDaniel, Hobert F., Sr. 2,707,872, Cl. 66—8.
- McDaniel, Lemuel A.: *See—*
- Gentry, Norman L., Pope, and McDaniel. 2,724,352.
- McDermott, Christopher H. 2,724,193, Cl. 36—1.
- McDermott, Henry J.: *See—*
- Allen, George M., and McDermott. 2,718,136.
- McDermott, Henry J., to American Viscose Corp. 2,698,963, Cl. 18—8.
- McDermott, Henry J., to American Viscose Corp. 2,728,186, Cl. 57—76.
- McDermott, James L. 2,705,810, Cl. 15—21.
- McDermott, John P.: *See—*
- Rogers, Dilworth T., and McDermott. 2,714,579.
- McDermott, John P., to Esso Research and Engineering Co. 2,712,526, Cl. 252—32.7.
- McDermott, John P., to Esso Research and Engineering Co. 2,727,036, Cl. 260—243.
- McDermott, Thomas J.: *See—*
- Abbott, Howard C., and McDermott. 2,715,674.
- McDevitt, Patrick F.: *See—*
- Fessler, Frank. 2,714,573.
- McDonal, Frank J.: *See—*
- Mills, Robert L., and McDonald. 2,722,605.
- McDonald, Alan C., Jr.: *See—*
- Mitchell, Seldon G., and McDonald. 2,713,961.
- McDonald, Angus A., to Baldwin Rubber Co. 2,715,438, Cl. 164—48.
- McDonald, David W., to Monsanto Chemical Co. 2,718,525, Cl. 260—465.
- McDonald, Donald, to G. S. Cusack. 2,706,881, Cl. 55—128.
- McDonald, Donald C., to Cook Electric Co. 2,722,846, Cl. 74—355.
- McDonald, Donald L., K. E. Coulter, and J. L. McCurdy, to The Dow Chemical Co. 2,727,884, Cl. 260—93.5.
- McDonald & Eide, Inc.: *See—*
- McDonald, Harry W. 2,719,620.
- McDonald, Gordon R.: *See—*
- Secarea, Valer V., and McDonald. 2,716,209.
- McDonald, Guy A.: *See—*
- Toy, Arthur D. F., and McDonald. 2,715,136.
- McDonald, Harry W., to McDonald & Eide, Inc. 2,719,620, Cl. 192—85.
- McDonald, John A. 2,714,320, Cl. 81—17.
- McDonald, John R.: *See—*
- Stokes, Anthony S., Worsnop, and McDonald. 2,704,615.
- McDonald, Joseph N., Jr.: *See—*
- Look, Alfred T., and McDonald. 2,700,657.
- McDonald, Louis, and A. E. Hawley, to Kelite Products, Inc. 2,710,792, Cl. 41—42.
- McDonald, Manuel C. 2,701,518, Cl. 100—93.
- McDonald, Marjorie: *See—*
- Wait, Louis S. 2,718,630.
- McDonald, Pat, to Socony Mobil Oil Co., Inc. 2,722,282, Cl. 181—5.
- McDonald, Ramsey. 2,722,598, Cl. 250—6.
- McDonald, Seymour F. 2,717,129, Cl. 242—99.
- McDonald, William J. 2,719,643, Cl. 214—620.
- McDonnell Aircraft Corp.: *See—*
- Blatz, William J., Belt, and Miller. 2,725,203.
- Edwards, Lawrence K. 2,705,940.
- Etherton, Murray D. 2,714,429.
- Francois, Guy L. 2,720,754.
- Irwin, Donald W. 2,701,695.
- Ostroff, Harold H., Ballauer, and Mazzoni. 2,706,885.
- Reime, Bert N., Schmidt, and Walter. 2,701,440.
- Sargent, Elbert R. 2,701,021.
- Sargent, Elbert R., and Neikirk. 2,712,217.
- Schroeder, Lloyd E. 2,705,046.
- Toney, Ernest W., Ostroff, and Ballauer. 2,716,459.
- McDonnell, Basil: *See—*
- Robinson, Joseph N., Miller, and McDonnell. 2,715,563.
- McDonnell, James W. 2,702,199, Cl. 285—71.
- McDonnell, Randall L. 2,710,605, Cl. 123—133.
- McDonough, John J., to Scott & Williams, Inc. 2,710,531, Cl. 66—178.
- McDonough, F. T.: *See—*
- Averett, Harold J. 2,708,950.
- McDougal, Taine G.: *See—*
- Buchanan, Ross W., Smith, and McDougal. 2,703,356.
- McDougal, William H., and J. L. Brooks. 2,702,041, Cl. 132—81.
- McDowall, Charles J., to General Motors Corp. 2,718,756, Cl. 60—39.31.
- McDuffie, Archie D., to General Motors Corp. 2,699,160, Cl. 123—191.
- McDuffie, Archie D., to General Motors Corp. 2,725,865, Cl. 123—191.
- McDuffie, James W.: *See—*
- Haupt, Eugene J., and McDuffie. 2,714,796.
- McDuffie, John C., Jr.: *See—*
- Allen, Thomas O., and McDuffie. 2,718,264.
- McElgin, John W.: *See—*
- Miller, Samuel W., and McElgin. 2,727,455.
- McElhinney, Eric M. 2,722,925, Cl. 123—90.
- McElhoe, Calvin B.: *See—*
- Thomas, Gerald R., Pasket, and McElhoe. 2,703,430.
- McElrath, James R., Sr. 2,700,267, Cl. 56—307.
- McElroy, Clifford T. 2,703,463, Cl. 41—1.
- McElroy, Isaac E. 2,700,968, Cl. 123—185.
- McElroy, Roy H., to International Engineering, Inc. 2,702,163, Cl. 241—119.
- McEvoy, Francis J.: *See—*
- Baker, Bernard R., and McEvoy. 2,701,798.
- McEwan, Archibald J. 2,709,797, Cl. 340—27.
- McEwan, William S. 2,703,010, Cl. 73—191.
- McEwen, Charles L. 2,715,472, Cl. 214—131.
- McFall, Joe B., to United States Plywood Corp. 2,711,792, Cl. 164—48.
- McFall, Stanley E., to Aluminium Laboratories, Ltd. 2,720,968, Cl. 206—65.
- McFarland, Arthur E., to McFarland Mfg. Corp. 2,704,053, Cl. 121—150.
- McFarland, Charles M.: *See—*
- Cyr, Howard M., Griffith, and McFarland. 2,723,903.
- McFarland, George L., to General Electric Co. 2,718,870, Cl. 118—203.
- McFarland Mfg. Corp.: *See—*
- McFarland, Arthur E. 2,704,053.
- McFarland, William E.: *See—*
- Werth, William W., and McFarland. 2,728,111.
- McFarlane, Maynard D. 2,722,564, Cl. 178—69.5.
- McFarlane, Maynard D., and G. A. Bouvier. 2,704,306, Cl. 178—69.5.
- McFarlin, Coda M.: *See—*
- Williams, Lee B., and McFarlin. 2,702,584.
- McFarling, Excel W., G. H. Briscoe, and E. C. Hatton. 2,713,442, Cl. 222—238.
- McFatrige, John H., and N. R. Duff. 2,718,182, Cl. 97—22.
- McFatrige, John H., and N. R. Duff. 2,727,449, Cl. 97—22.
- McFeaters, Harry L., to Pennsylvania Engineering Corp. 2,708,108, Cl. 266—39.
- McGaffey, Hildred W. 2,707,952, Cl. 128—158.
- McGarvey, John A., and J. R. Adamick. 2,699,331, Cl. 270—68.
- McGary, Robert L.: *See—*
- Stoner, Harry B., Parre, and McGary. 2,707,543.
- McGaughan, Alexander S.: *See—*
- Johnson, Hugh B., McGaughan, and Weidlinger. 2,722,901.
- McGauley, Patrick J., to Chemical Construction Corp. 2,721,796, Cl. 75—103.
- McGauley, Patrick J., and M. Zelenetz, to Chemical Construction Corp. 2,721,795, Cl. 75—97.
- McGay, John B., to Rockwell Register Corp. 2,709,039, Cl. 235—30.
- McGay, John B., and G. B. Clift, to Rockwell Mfg. Co. 2,716,860, Cl. 60—7.
- McGee, Donald J.: *See—*
- Spedding, Raymond T., and McGee. 2,722,798.
- McGee, Donald J., to Ford Motor Co. 2,701,741, Cl. 302—37.
- McGee, Donald J., to Ford Motor Co. 2,722,794, Cl. 55—139.
- McGee, Francis E. 2,703,530, Cl. 102—70.2.
- McGee, James W. 2,712,714, Cl. 47—2.
- McGee, John W., to Frederick Flader, Inc. 2,705,256, Cl. 174—179.
- McGee, Leland T. 2,701,881, Cl. 4—172.
- McGee, Raymond F.: *See—*
- Cochran, Walter M., and McGee. 2,726,158.
- McGee, Robert V. J.: *See—*
- Hickok, John E., Tobias, and McGee. 2,726,993.



- McGervey, Paul J., Jr., to The Richardson Co. 2,717,433, Cl. 22—70.
- McGhee, Charles R. 2,724,945, Cl. 57—135.
- McGhie, Russell P., and F. W. Schneider, to Colgate-Palmolive Co. 2,715,481, Cl. 222—153.
- McGill, Hervis V.: *See—*  
Houston, Jacques B., and McGill. 2,707,669.
- McGill Mfg. Co., Inc.: *See—*  
Popp, Rudolf, and Carlson. 2,722,448.  
Smith, Richard J. 2,718,441.
- McGill Metal Products Co.: *See—*  
Cain, Stanley F. 2,724,209.
- McGillis, Hugh D.: *See—*  
McGillis, John J. and H. D. 2,714,994.
- McGillis, John J. and H. D. 2,714,994, Cl. 236—91.
- McGinn, John L. 2,703,937, Cl. 36—3.
- McGinnis, Jack H. 2,710,484, Cl. 43—57.5.
- McGinnis, Joseph J.: *See—*  
Bozek, Leo A., and McGinnis. 2,711,698.
- McGinty, William K.: *See—*  
Schwemmer, Albert, McGinty, and Bushcott. 2,717,955.
- McGinty, William K., J. J. Procknow, and S. W. Warner, to Thomas Industries Inc. 2,708,711, Cl. 240—2.
- McGlynn, Joseph A.: *See—*  
French, George F., Stephenson, and McGlynn. 2,703,113.
- McGogy, Donald H. 2,711,339, Cl. 294—99.
- McGowan, Kenneth J. J., to Westinghouse Air Brake Co. 2,706,753, Cl. 200—6.
- McGowan, Michael E., to Westinghouse Electric Corp. 2,698,987, Cl. 29—25.2.
- McGowen, Leonard R., to Standard Oil Co. 2,708,064, Cl. 228—23.
- McGrath, Bridgit E.: *See—*  
Cherry, William J. 2,724,167.
- McGrath, Donald T. 2,711,164, Cl. 124—10.
- McGrath, Henry G.: *See—*  
Riblett, Earl W., and McGrath. 2,702,814.
- McGrath, Henry G., to The M. W. Kellogg Co. 2,700,676, Cl. 260—450.
- McGrath, Henry G., and L. R. Hill, to The M. W. Kellogg Co. 2,699,988, Cl. 23—288.
- McGrath, Henry G., and L. C. Rubin, to The M. W. Kellogg Co. 2,728,786, Cl. 260—449.6.
- McGrath, Raymond V., to Chicago Bridge & Iron Co. 2,725,620, Cl. 29—400.
- McGrath, William J., to Scovill Mfg. Co. 2,726,555, Cl. 74—581.
- McGraw Electric Co.: *See—*  
Amundson, Rold H. 2,714,144.  
Coe, William G. 2,698,888.  
Coe, William G. 2,698,916.  
Everhart, James G. Re. 23,970.  
Ewing, Reid, and Ewing. 2,724,189.  
Fenwick, John O. 2,707,155.  
Fjellstedt, Thorsten. 2,717,940.  
Fredrickson, Ralph S. 2,710,895.  
Giese, Lawrence F., and Harling. 2,721,719.  
Gomersall, John R., and Ireland. 2,726,313.  
Harling, Donald W. 2,702,850.  
Hazelwood, Robert N. 2,727,880.  
Ireland, Murray. 2,700,237.  
Ireland, Murray. 2,710,901.  
Jepsen, Hans G., and Wood. 2,702,842.  
Joubanc, Joseph C. 2,702,887.  
Kaminky, Oscar H., Petersen, and Thiry. 2,705,121.  
Krichton, Carl V. 2,711,474.  
Kyle, William D., Jr. 2,702,935.  
Peck, Duane F., and Cottone. 2,711,756.  
Petersen, Clifford W. 2,700,807.  
Petersen, Clifford W. 2,703,216.  
Petersen, Clifford W. 2,723,733.  
Sant, Ralph P. 2,703,349.  
Schneider, Hans P. 2,709,736.  
Sefton, Robert C., and Zimsky. Re. 23,987.  
Smythe, Robert L., and Harling. 2,727,984.  
Steinmayer, Alwin G. 2,712,865.  
Van Ryan, Anthony. 2,704,841.  
Van Ryan, Anthony, and Harry. 2,721,969.  
Wales, Harry. 2,721,717.  
Weinfurt, Edward J. 2,722,891.  
Weinfurt, William J. 2,710,320.  
Wiegand, David E. 2,704,826.  
Wilson, Delbert I. 2,726,820.  
Zander, Waldo H. and F. D., and Wilson. 2,726,819.  
Zimsky, John J. 2,700,207.  
Zimsky, John J. 2,718,193.  
Zimsky, John J. 2,725,012.  
Zwelling, Martin I. 2,707,156.
- McGraw, George P., Jr.: *See—*  
Fralish, Howard J., and McGraw. 2,727,297.
- McGraw, John W., Sr. 2,711,321, Cl. 273—201.
- McGraw, Vincent G.: *See—*  
Greenwalt, Jess F., McGraw, and Richardson. 2,705,881.
- McGregor, Eugene R. 2,711,152, Cl. 115—17.
- McGregor, James M. 2,717,762, Cl. 255—4.
- McGregor, Ralph, to Motor Products Corp. 2,708,832, Cl. 62—126.
- McGrew, Henry E. 2,712,297, Cl. 118—33.
- McGrew, Thomas A., to General Electric Co. 2,712,732, Cl. 62—4.
- McGrogan, John F., to The Atlantic Refining Co. 2,698,834, Cl. 252—33.2.
- McGuff, Thomas J., and R. W. Sawyer. 2,708,982, Cl. 183—51.
- McGuigan, John H.: *See—*  
Lovell, Clarence A., and McGuigan. 2,701,279.
- McGuigan, John H., O. J. Murphy, and N. D. Newby, to Bell Telephone Laboratories, Inc. 2,700,148, Cl. 340—174.
- McGuigan, John H., and H. E. Vaughan, to Bell Telephone Laboratories, Inc. 2,719,964, Cl. 340—174.
- McGuigan, John H., and O. J. Murphy, to Bell Telephone Laboratories, Inc. 2,723,312, Cl. 179—16.
- McGuinness, William F.: *See—*  
Buchanan, Stephen N., and McGuinness. 2,727,220.
- McGuinness, William F., to Elastic Stop Nut Corp. of America. 2,723,698, Cl. 151—7.
- McGuire, William. 2,723,822, Cl. 248—205.
- McHard, James A., and R. A. Winger, to Dow Corning Corp. 2,699,411, Cl. 134—42.
- McHenry, Elmer F. 2,698,466, Cl. 20—23.
- McIlroy, Arthur, to Stanolind Oil and Gas Co. 2,721,874, Cl. 260—450.
- McIlvaine, Oran T. 2,722,180, Cl. 110—1.
- McIlveen, Edward E., to The Okonite Co. 2,722,562, Cl. 174—107.
- McIlvin, Donald B., and J. G. Hollick, to United Shoe Machinery Corp. 2,704,932, Cl. 69—1.
- McInnis, James R. 2,719,053, Cl. 296—1.
- McIntire, James N.: *See—*  
Haley, Harold A., and McIntire. 2,705,426.
- McIntire, John W.: *See—*  
Francis, Kenneth G., and McIntire. 2,717,424.
- McIntire, Otis R.: *See—*  
Smith, Cornelius P., Le Boeuf, and McIntire. 2,707,805.
- McIntire, Robert L., to Phillips Petroleum Co. 2,699,987, Cl. 23—284.
- McIntosh, A. Vern, Jr.: *See—*  
Fonken, Gunther S., Levin, and McIntosh. 2,714,599.  
Fonken, Gunther S., Levin, and McIntosh. 2,714,600.  
Fonken, Gunther S., Levin, and McIntosh. 2,714,601.
- McIntosh, Ralph O.: *See—*  
Longini, Richard L., and McIntosh. 2,727,173.
- McIntosh, Robert L., and A. H. Moorhead, to The Locomotive Finished Material Co. 2,721,523, Cl. 105—197.
- McIntosh, William A., to The Glidden Co. 2,726,788, Cl. 222—1.
- McIntyre, Brouwer D., to Patent Development Co. 2,699,844, Cl. 188—88.
- McIntyre, Donald B. 2,712,676, Cl. 19—165.
- McIntyre, Glenn H.: *See—*  
Bahnsen, Monroe J., Goda, and McIntyre. 2,702,757.
- McIntyre, Ralph W.: *See—*  
Endsley, Louis E., and McIntyre. 2,726,044.
- McIntyre, Raymond E. 2,711,050, Cl. 43—57.5.
- McIntyre, Sidney S. 2,705,175, Cl. 305—9.
- McIntyre, Sidney S., to The Humboldt Co. 2,718,160, Cl. 74—674.
- McIntyre, Thomas E. 2,704,524, Cl. 111—87.
- McKann, Henry S. 2,713,301, Cl. 98—46.
- McKay, Alexander S.: *See—*  
Herzog, Gerhard, and McKay. 2,727,155.
- McKay, Alexander S., to The Texas Co. 2,710,925, Cl. 250—83.6.
- McKay, Alexander S., to The Texas Co. 2,724,779, Cl. 250—83.6.
- McKay Co., The: *See—*  
De Long, William T., and Ostrom. 2,711,959.
- McKay, James B., to The Dorr Co. 2,715,563, Cl. 23—277.
- McKay, James G. 2,701,519, Cl. 101—35.
- McKay, John F., Jr.: *See—*  
Nelson, Joseph F., McKay, Welch, and Koenecke. 2,701,780.
- McKay, John F., Jr., to Standard Oil Development Co. 2,698,841, Cl. 260—45.5.
- McKay, John F., Jr., and D. F. Koenecke, to Esso Research and Engineering Co. 2,705,703, Cl. 260—45.5.
- McKay, Kenneth G., to Bell Telephone Laboratories, Inc. 2,724,771, Cl. 250—27.
- McKay Machine Co., The: *See—*  
Krause, Frank R. 2,701,976.
- McKay, Roy H. 2,698,668, Cl. 180—22.
- McKee, Bill E. 2,723,855, Cl. 272—57.
- McKee Door Co.: *See—*  
McKee, James H. 2,703,141.
- McKee, Harry A. 2,708,329, Cl. 46—31.
- McKee, Hilton J.: *See—*  
Burge, James S., Goodwin, and McKee. 2,698,695.  
Burge, James S., McKee, Conrad, Rider, and Salatin. 2,723,691.
- McKee, James G.: *See—*  
Fulton, Roy B., McKee, and Norris. 2,728,182.
- McKee, James H., to McKee Door Co. 2,703,141, Cl. 160—209.
- McKee, John F., to Yarnall-Waring Co. 2,724,399, Cl. 137—183.
- McKee, John L. 2,719,695, Cl. 254—29.
- McKee, John M., Jr.: *See—*  
Fletcher, Maurice J., McKee, Riblett, and Brown. 2,706,296.
- McKee, Theresa M., to Texaco Development Corp. 2,702,864, Cl. 250—71.
- McKee, Theresa M., to Texaco Development Corp. 2,725,484, Cl. 250—71.
- McKeen, Leighton R. 2,710,210, Cl. 292—67.
- McKeever, Marie L. 2,712,446, Cl. 273—135.
- McKendree Products Co.: *See—*  
McKendree, Scott W. 2,714,222.
- McKendree, Scott W., to McKendree Products Co. 2,714,222, Cl. 17—11.1.



- McKenna, Quentin H.: *See*—  
Sibert, Merle E., and McKenna. 2,723,182.
- McKenna, Ralph E., and J. A. Herrera. 2,700,187, Cl. 19—66.
- McKenzie, Archibald B.: *See*—  
Wilde, Geoffrey L., and McKenzie. 2,728,518.
- McKenzie, Paul B. 2,700,166, Cl. 10—1.
- McKenzie, Paul B. 2,718,646, Cl. 10—1.
- McKenzie, Walter H.,  $\frac{1}{4}$  to G. W. Reed,  $\frac{1}{4}$  to A. R. Patterson, and  $\frac{1}{4}$  to Exploration Consultants Corp. 2,711,880, Cl. 255—22.
- McKeown, Lewis A. 2,719,427, Cl. 73—53.
- McKerns, Kenneth W., to Canada Packers, Ltd. 2,701,228, Cl. 195—66.
- McKibban, Joseph L., and C. J. Bowen. 2,714,922, Cl. 155—106.
- McKibben, John A. 2,723,443, Cl. 29—69.
- McKibben, Paul S., J. L. Chrisman, and J. M. Smith, to Byron Jackson Co. 2,705,614, Cl. 255—35.
- McKibbin, Easton A.: *See*—  
Wood, Frank. 2,723,325.
- McKillop, Robert W., to Chain Belt Co. 2,725,071, Cl. 137—202.
- McKillop, William M., Jr.: *See*—  
Byno, Earle R., and McKillop. 2,700,518.
- McKim, Burton, and T. H. Neely, to Bell Telephone Laboratories, Inc. 2,721,235, Cl. 179—175.3.
- McKim, Stanton R.: *See*—  
Hatch, Charles T., and McKim. 2,724,486.
- McKinlay, Donald, Jr., and A. W. Jacobson, to The Bristol Co. 2,715,332, Cl. 73—88.5.
- McKinley, Benjamin P. 2,720,636, Cl. 339—192.
- McKinley, Boyd R. 2,715,443, Cl. 166—152.
- McKinley, Clyde, F. Fahnoe, and D. L. Fuller, to General Aniline & Film Corp. 2,712,560, Cl. 260—635.
- McKinley, Edwin W. 2,715,416, Cl. 137—484.2.
- McKinley, Glenn E.: *See*—  
Burner, Fred A., and McKinley. 2,712,469.
- McKinley, James G., to The Dayton Rubber Co. 2,713,885, Cl. 154—8.
- McKinley, John K., G. S. Bright, and R. F. Nelson, to The Texas Co. 2,705,241, Cl. 260—451.
- McKinley, John K., M. R. Hefty, and A. J. Deutser, to The Texas Co. 2,727,005, Cl. 252—55.
- McKinley, Joseph B., and W. A. Pardee, to Gulf Research & Development Co. 2,703,789, Cl. 252—455.
- McKinley, Joseph B., and R. E. Kline, to Gulf Research & Development Co. 2,718,535, Cl. 260—683.5.
- McKinley, Joseph B., and A. M. Henke, to Gulf Research & Development Co. 2,726,148, Cl. 44—1.
- McKinley, Orman O. 2,718,942, Cl. 189—75.
- McKinley, Orman O. 2,724,875, Cl. 20—57.5.
- McKinley, Raymond E.: *See*—  
Michael, Sidney J., and McKinley. 2,701,562.
- McKinley, Theodore D., to E. I. du Pont de Nemours and Co. 2,707,149, Cl. 75—121.
- McKinley, Wade K. Re. 23,986, Cl. 119—157.
- McKinley, William A., to The Midland Steel Products Co. 2,728,587, Cl. 280—106.
- McKinley, William H., to The General Fireproofing Co. 2,704,113, Cl. 155—93.
- McKinney, Alfred H.: *See*—  
Lester, Herbert C., and McKinney. 2,714,963.
- McKinney, Alfred H. 2,711,754, Cl. 137—486.
- McKinney, Claude O., to Standard Oil Co. 2,727,367, Cl. 62—175.5.
- McKinney, Howard E.: *See*—  
Broussard, Douglas E., and McKinney. 2,720,266.
- McKinney, Jack E.: *See*—  
Gable, Harry L., and McKinney. 2,708,473.
- McKinney, John F., Jr., to Sun Oil Co. 2,715,569, Cl. 23—288.
- McKinney, John F., Jr., and M. L. Webster, Jr., to Sun Oil Co. 2,715,566, Cl. 23—288.
- McKinney, Leonard L., E. A. Setzkorn, and E. H. Uhing, to the United States of America as represented by the Secretary of Agriculture. 2,717,263, Cl. 260—471.
- McKinney, Robert L. 2,709,257, Cl. 2—16.
- McKinney, Robert M., to E. I. du Pont de Nemours and Co. 2,701,179, Cl. 23—87.
- McKinney, Stephen P. 2,701,589, Cl. 140—102.5.
- McKinney, Vaudry L.: *See*—  
Rockwell, Theodore, III, and McKinney. 2,727,996.
- McKinnis, Art C., to Union Oil Co. of California. 2,718,457, Cl. 23—151.
- McKinnon, Bain L. 2,726,896, Cl. 299—88.5.
- McKinnon, Horatio W. 2,718,993, Cl. 226—95.
- McKirgan, Ralph. 2,705,565, Cl. 211—90.
- McKnight, George W.: *See*—  
Haney, Richard G., and McKnight. 2,723,682.
- McKnight, J. M., and Sons: *See*—  
McKnight, John L. 2,726,010.
- McKnight, John L., to J. M. McKnight and Sons. 2,726,010, Cl. 220—83.
- McLachlan, Charles G., H. L. Ames, and A. P. Gribbin. 2,708,126, Cl. 286—9.
- McLachlan, Robert A., to Dominion Bridge Co. Ltd. 2,726,687, Cl. 143—81.
- McLanahan, Robert J. 2,715,228, Cl. 4—29.
- McLaney Mfg. Corp.: *See*—  
Lukens, David L. 2,715,434.
- McLaren, Ian H., and W. C. Wiley, to Bendix Aviation Corp. 2,713,123, Cl. 250—41.9.
- McLarn, Ernest S., to International Standard Electric Corp. 2,723,322, Cl. 200—80.
- McLarty, Gordon. 2,728,519, Cl. 230—259.
- McLaughlin, Donald J., and H. G. Talmadge, Jr., to the United States of America as represented by the Secretary of the Navy. 2,704,305, Cl. 178—18.
- McLaughlin, George P. 2,706,375, Cl. 56—400.14.
- McLaughlin, Guy, Jr., to Armstrong Cork Co. 2,699,197, Cl. 154—15.
- McLaughlin, Howard J. 2,705,956, Cl. 128—272.
- McLaughlin, John E.: *See*—  
Jackson, Albert S., Heyne, Johnson, and McLaughlin. 2,718,847.
- McLaughlin, Roland R., and D. B. Mutton. 2,727,034, Cl. 260—211.
- McLaughlin, William I. 2,720,562, Cl. 200—32.
- McLaurin-Jones Co.: *See*—  
Sullivan, James E., and Kenneway. 2,700,619.
- McLay, John: *See*—  
Stock, Robert J., and McLay. 2,702,320.
- McLay, William S., and H. J. Evans, to Rockwell Mfg. Co. 2,700,981, Cl. 137—271.
- McLean, Andrew, and V. E. Gripp, to The British Petroleum Co. Ltd. 2,706,734, Cl. 260—456.
- McLean, David: *See*—  
Dalziel, Alexander Y., and McLean. 2,704,867.
- McLean, David A.: *See*—  
Houtz, Charles C., and McLean. 2,716,721.
- McLean, David A., and H. G. Wehe, to Bell Telephone Laboratories, Inc. 2,709,663, Cl. 117—71.
- McLean, Elizabeth A. 2,708,769, Cl. 17—11.
- McLean, Harold T., to General Electric Co. 2,718,779, Cl. 73—7.
- McLean, William B.: *See*—  
Whitson, William L., Rabinow, and McLean. 2,704,326.
- McLean, William B., to the United States of America as represented by the Secretary of the Navy. 2,718,603, Cl. 310—155.
- McLearn, Herbert M.: *See*—  
Howe, Kenneth W., and McLearn. 2,700,953.
- McLeer, Thomas J., to Cooper Alloy Corp. 2,728,122, Cl. 22—31.
- McLellan, Kenneth M., to Industrial Rayon Corp. 2,715,753, Cl. 18—8.
- McLennan, Barbara H. 2,714,716, Cl. 2—12.
- McLeod, Bertram H. 2,721,356, Cl. 18—55.
- McLeod, Charles A., to A. S. Campbell Co., Inc. 2,698,768, Cl. 301—37.
- McLeod, Donald A. 2,699,189, Cl. 144—208.
- McLeod, John H., and C. W. Clutz, to Eastman Kodak Co. 2,706,666, Cl. 308—72.
- McLeod, Ken, and S. E. Perry, to Ster-E-O, Inc. 2,699,091, Cl. 88—31.
- McLeod, L. S.: *See*—  
Sorensen, Clarence T. 2,709,575.
- McLeod, Philip H. 2,726,004, Cl. 220—23.2.
- McLeod, Stewart B., to Detroit Harvester Co. 2,725,074, Cl. 137—493.9.
- McLeod, Thomas S.: *See*—  
Grayson, Harry, McLeod, and Vernon-Smith. 2,703,865.
- McMahan, Durward B., to M. M. and J. Kinley. 2,699,001, Cl. 33—178.
- McMahan, Lyle L. 2,717,387, Cl. 2—22.
- McMahan, Walker D.: *See*—  
Marshall, James M. 2,706,640.
- McMahon, James E., Jr., to Westinghouse Air Brake Co. 2,705,280, Cl. 246—130.
- McMahon, Jerome B., to Republic Flow Meters Co. 2,710,724, Cl. 236—13.
- McMahon, Jerome B., to Republic Flow Meters Co. 2,724,962, Cl. 73—30.
- McMahon, John P.: *See*—  
Lundsted, Lester G., and McMahon. 2,718,509.
- McMahon, John W., L. R. Blank, C. H. Windle, and D. E. Poole, to Republic Steel Corp. 2,703,183, Cl. 214—8.5.
- McMaster, Robert C., to The Youngstown Sheet and Tube Co. 2,719,949, Cl. 324—37.
- McMaster, Robert C., and R. F. Robinson, to M & R Dietetic Laboratories, Inc. 2,721,941, Cl. 250—42.
- McMath, Charles W., to The Buckeye Cotton Oil Co. 2,724,148, Cl. 19—44.
- McMeekin, Thomas L.: *See*—  
Hipp, Norbert J., Groves, and McMeekin. 2,702,800.
- McMichael, Charles E., J. W. Godbey, and V. L. Zehnder, to National Cylinder Gas Co. 2,717,256, Cl. 260—428.
- McMillan, Fred L., Jr.: *See*—  
Pietz, Raymond G., and McMillan. 2,718,449.
- McMillan, Freeman H.: *See*—  
King, John A., and McMillan. 2,712,542.
- McMinn, Talmage D., Jr., to Monsanto Chemical Co. 2,708,151, Cl. 23—79.
- McMullan, Richard K. 2,704,933, Cl. 70—58.
- McMullan, William, to Farrans Ltd. 2,708,781, Cl. 25—131.
- McMullen, Enos H.: *See*—  
Wilder, Edward A., and McMullen. 2,703,807.
- McMullen, Frederick E.: *See*—  
Hartman, Herbert G., McMullen, and Patchin. 2,706,420.
- McMullen, John C., to The Carborundum Co. 2,710,261, Cl. 106—50.
- McMullen, John C., to The Carborundum Co. 2,714,622, Cl. 13—6.
- McMullen, Wesley W., to General Motors Corp. 2,716,398, Cl. 123—119.
- McMullin, Earl L.: *See*—  
Thompson, Dale F., and McMullin. 2,721,654.
- McMurray, George F. 2,698,455, Cl. 16—87.4.



- McMurray, Paul H.: *See*—  
Haggard, John M., and McMurray. 2,703,554.  
McMurray, William J. 2,706,017, Cl. 184—105.  
McMurtry, Claude A. 2,705,995, Cl. 155—184.  
McNab, Inc.: *See*—  
Estelle, Weems E. 2,721,297.  
McNabb, Arthur E., to Pittsburgh Steel Co. 2,724,142, Cl. 16—76.  
McNabb, Louis A. 2,713,618, Cl. 179—100.2.  
McNally, Harold T., W. W. Sewell, and R. W. Wilson, to Ford Motor Co. 2,722,879, Cl. 97—198.1.  
McNally, Michael J. 2,714,094, Cl. 252—152.  
McNally-Pittsburg Mfg. Corp., The: *See*—  
Levi, Cass B. 2,717,078.  
Levi, Cass B. 2,717,079.  
Pate, Robert L. 2,727,631.  
McNamara, Gordon G., Jr., to International Harvester Co. 2,716,325, Cl. 56—309.  
McNamara, James K. 2,705,809, Cl. 4—255.  
McNamara, Thomas P.: *See*—  
Paulsen, Henry C., Holtzclaw, and McNamara. 2,701,750.  
McNaney, Joseph T., to General Dynamics Corp. 2,718,611, Cl. 315—21.  
McNaney, Joseph T., to Bendix Aviation Corp. 2,719,923, Cl. 250—40.  
McNaney, Joseph T., to General Dynamics Corp. 2,721,990, Cl. 340—174.  
McNaney, Joseph T., to General Dynamics Corp. 2,728,873, Cl. 315—21.  
McNatt, Eugene M., to the United States of America as represented by the Secretary of the Navy. 2,707,401, Cl. 74—5.6.  
McNatt, Eugene M., to Esso Research and Engineering Co. 2,728,557, Cl. 255—61.  
McNeal, Xzin: *See*—  
Steinbruegge, George W., McNeal, and Buchele. 2,718,782.  
McNeil Laboratories, Inc.: *See*—  
Swain, Ansel P. 2,701,797.  
McNeil Machine and Engineering Co., The: *See*—  
Soderquist, Leslie E. 2,699,572.  
Soderquist, Leslie E. 2,715,245.  
McNeill, Albert G., to Bachmann Bros. Inc. 2,723,745, Cl. 206—5.  
McNeill, Alexander W.: *See*—  
Heggs, Kenneth. 2,722,025.  
McNeill, Alexander W. 2,708,279, Cl. 12—15.  
McNeill, Alexander W. 2,712,664, Cl. 12—136.  
McNeill, Alexander W. 2,722,026, Cl. 12—136.  
McNeill, Angus, to The Parker Pen Co. Re. 24,022, Cl. 67—7.1.  
McNeill, Angus, to The Parker Pen Co. 2,714,300, Cl. 67—7.1.  
McNeill, James M., to Union Oil Co. of California. Re. 24,083, Cl. 255—2.5.  
McNeill, Roy L.: *See*—  
Alspaugh, Paul L., Heimaster, and McNeill. 2,699,328.  
McNett, Robert E.: *See*—  
Spitler, Clem H., and Moon. 2,717,982.  
McNicoll, David: *See*—  
Chaloner, Sidney D., and McNicoll. 2,706,201.  
McNicoll, Edith: *See*—  
Chaloner, Sidney D., and McNicoll. 2,706,201.  
McNulty, Frank E.: *See*—  
Hopkins, John R., and McNulty. 2,721,823.  
McNulty, John V., to General Laboratory Associates, Inc. 2,716,720, Cl. 315—180.  
McOrlly, Joseph, to Edwin L. Weigand Co. 2,724,043, Cl. 219—37.  
McOrlly, Joseph, to Edwin L. Wiegand Co. 2,725,455, Cl. 219—37.  
McPhee, Alex S.: *See*—  
Kearney, Thomas J., and McPhee. 2,698,627.  
McPhee, Alexander H.: *See*—  
Strobel, Peter A., and McPhee. 2,718,036.  
Zeckendorf, William, and McPhee. 2,704,609.  
McPherson, Hal W. 2,707,481, Cl. 137—218.  
McPherson, Hal W. 2,715,735, Cl. 4—10.  
McPherson, Hal W. 2,724,837, Cl. 4—10.  
McQuilkin, Dwight E. 2,713,385, Cl. 155—140.  
McRae, Alexander D., and S. V. Antenbring, to Esso Research and Engineering Co. 2,707,560, Cl. 210—51.  
McRae, John L. 2,728,277, Cl. 94—48.  
McReynolds, John W. 2,702,981, Cl. 56—400.2.  
McShan, Dorman B.: *See*—  
Capehart, Thomas C., and McShan. 2,726,514.  
McSheehy, Justin A., to The American Cyanamid Co. 2,727,045, Cl. 260—378.  
McShurley, Marshall D., and D. G. Mahoney, to General Motors Corp. 2,698,630, Cl. 137—312.  
McShurley, Marshall D., and D. G. Mahoney, to General Motors Corp. 2,707,313, Cl. 22—79.  
McSkimin, Herbert J., to Bell Telephone Laboratories, Inc. 2,707,391, Cl. 73—59.  
McSkimin, Herbert J., to Bell Telephone Laboratories, Inc. 2,727,214, Cl. 333—30.  
McTigue, Frank H., to Hercules Powder Co. 2,722,487, Cl. 117—62.  
McVey, Garley B. 2,709,937, Cl. 81—5.1.  
McWethy, Irvin E., and J. D. Warhus, to General Electric Co. 2,726,513, Cl. 60—54.  
McWhorter, Cullen J., to South Houston Machine Co. 2,711,302, Cl. 251—163.  
McWhorter, Henry L., to The Goss Printing Press Co. 2,709,405, Cl. 101—378.  
McWilliams, Margaret W. 2,699,171, Cl. 128—291.  
Meachen, Oren R., to American Telephone and Telegraph Co. 2,719,878, Cl. 179—5.  
Mead, Bert B.: *See*—  
Harrison, Charles C., Mead, Rechton, and Wheelon. 2,702,577.  
Mead Corp., The: *See*—  
Schwalbe, Hellmuth C., Hydell, and O'Connor. 2,700,621.  
Mead, Edward Q., to Cutler-Hammer, Inc. 2,727,227, Cl. 340—267.  
Mead, Hemen: *See*—  
Gould, Robert E., Wahl, and Mead. 2,699,591.  
Mead, Homer A. 2,707,895, Cl. 81—51.3.  
Mead, John A., and J. C. Mathiesen, to The Norden Laboratories Corp. 2,703,935, Cl. 33—204.  
Meade, Andrew J.: *See*—  
Bartel, Tom H., Meade, Smith, and Tims. 2,714,969.  
Meaders, Robert C., to The Carborundum Co. 2,704,603, Cl. 209—211.  
Meador, Jack R., to General Electric Co. 2,703,852, Cl. 317—15.  
Meador, William A. 2,706,443, Cl. 98—99.1.  
Meadows, Carl M.: *See*—  
Brueckner, Alfred, Meadows, and W. S. and R. B. Gochenour. 2,720,485.  
Meadows, Carl M., A. H. Brueckner, and W. S. Gochenour, to Allied Laboratories, Inc. 2,720,484, Cl. 167—78.  
Meadows, James L., to The Texas Co. 2,724,685, Cl. 196—32.  
Meadows, Stanley G., and R. N. Saxby, to Southern United Telephone Cables Ltd. 2,713,656, Cl. 318—29.  
Meadows, Stanley G., and R. N. Saxby, to Southern United Telephone Cables Ltd. 2,726,130, Cl. 346—78.  
Meagher, Ralph E., and C. W. Sherwin, to the United States of America as represented by the Secretary of the Navy. 2,717,330, Cl. 315—24.  
Meaker, John W. 2,707,744, Cl. 219—19.  
Meakin, Edgar N. 2,704,869, Cl. 21—94.  
Mealpack Corp.: *See*—  
Johnson, Axel E. F., Ensminger, and Clarke. 2,709,534.  
Meals, William S.: *See*—  
Evans, John G., Leach, and Meals. 2,710,816.  
Means, Clement P.: *See*—  
Omberg, Arthur C., Means, and Ochterbeck. 2,718,061.  
Meara, William F., to Bloomfield Industries, Inc. 2,717,306, Cl. 240—13.  
Mearl Corp., The: *See*—  
Greenstein, Leon M. 2,713,004.  
Mears, Harold A. 2,701,874, Cl. 340—276.  
Mears, John H., Jr. 2,722,723, Cl. 20—52.4.  
Mears, Jonas. 2,728,164, Cl. 43—105.  
Mears, Norman B., to Buckbee-Mears Co. 2,710,591, Cl. 118—68.  
Mears, Norman B., to Buckbee-Mears Co. 2,710,814, Cl. 117—34.  
Mears, Norman B., to Buckbee-Mears Co. 2,720,146, Cl. 95—73.  
Mears, William T., to General Motors Corp. 2,700,525, Cl. 248—291.  
Measurement Ltd.: *See*—  
Hewlett, Stanley J., and Wolfenden. 2,705,774.  
Measurements Corp.: *See*—  
Minter, Jerry B., 2nd. 2,700,704.  
Measuring Machines, Inc.: *See*—  
Breisch, John H. 2,703,457.  
Breisch, John H. 2,707,321.  
Smyth, Bertram J. 2,703,456.  
Mechanical Handling Systems, Inc.: *See*—  
Benson, Alfred D. 2,714,355.  
Bishop, Leonard J. 2,713,935.  
Bishop, Leonard J. 2,713,936.  
Klamp, Paul. 2,714,442.  
Klamp, Paul. 2,716,965.  
Mechanical Mold & Machine Co., The: *See*—  
Pittinger, Fred W. 2,728,270.  
Mechanical Products Corp.: *See*—  
Prah, Harry F. 2,708,588.  
Mechanical Products, Inc.: *See*—  
Ingwersen, Richard C. Re. 23,971.  
Meckley, George E.: *See*—  
Stambaugh, Burnell C., Meckley, and Rodgers. 2,706,103.  
Meckstroth, Carl R., and C. S. Terez, to General Electric Co. 2,711,760, Cl. 140—71.5.  
Meco-Pilot Mfg. Co.: *See*—  
May, Edward M. 2,704,945.  
May, Edward M. 2,704,997.  
Mecorney, John W., and G. W. Gaertner, Jr., to Shell Development Co. 2,725,400, Cl. 260—593.  
Medcalf, Eugene C.: *See*—  
Vriens, Gerard N., and Medcalf. 2,727,927.  
Medearis, Robert E. 2,709,899, Cl. 62—89.5.  
Medeiros, Robert W.: *See*—  
McConnell, Albert L., and Medeiros. 2,717,224.  
Medert, Adrian: *See*—  
Bolesky, John D. 2,717,936.  
Mediano, Capdevila, to Coturno, S. A. 2,701,389, Cl. 18—17.  
Medical Specialties, Inc.: *See*—  
Swineheart, James E. 2,717,592.  
Medick, Robert E.: *See*—  
Nadler, Max A., and Medick. 2,713,378.  
Medicus, Gustav K. 2,713,523, Cl. 308—10.  
Meditron Co., The: *See*—  
Fizell, James A., Golseth, and Kay. 2,704,064.  
Golseth, James G., and Le Grand. 2,712,975.  
Medlar, Lewis A., to Fox Products Co. 2,721,993, Cl. 340—249.



- Meehan, James E.: *See*—  
O'Donnell, Henry L., Meehan, and Forstrom. 2,728,057.
- Meek, George W., to the United States of America as represented by the Secretary of the Army. 2,717,514, Cl. 72—106.
- Meek, George W., and S. Spielman. 2,711,944, Cl. 312—333.
- Meeker, David A.: *See*—  
Geiger, Russell C., and Meeker. 2,707,961.
- Meeker, David A., and J. M. Sherman, to The Hobart Mfg. Co. 2,723,113, Cl. 265—29.
- Meeker, Willard F., and F. H. Slaymaker, to General Dynamics Corp. 2,727,423, Cl. 84—404.
- Meeks, Robert L.: *See*—  
Chambers, Charles M., and Meeks. 2,699,570.
- Meeks, Robert L.,  $\frac{1}{2}$  to C. M. Chambers. 2,699,571, Cl. 17—1.
- Meer, Herman T.: *See*—  
Quigley, Herbert, and Meer. 2,712,749.
- Meeson, Edwin L.: *See*—  
Feilden, Geoffrey B. R., Walker, and Meeson. 2,700,415.
- Mefina S. A.: *See*—  
Court, Jean, and Robert. 2,704,987.
- Kuhn, Georges. 2,718,850.
- Mega Corp.: *See*—  
Seaman, Richard H. 2,700,117.
- Megator Pumps & Compressors Ltd.: *See*—  
McCombie, Frederick W. 2,728,615.
- Megerle, Herbert L. 2,714,778, Cl. 43—42.12.
- Mehaffey, Salome C.: *See*—  
Lateau, Herbert W. S., and Mehaffey. 2,718,396.
- Mehl, Arthur: *See*—  
Klinkhammer, Kurt, and Mehli. 2,719,880.
- Mehlitz, Willy: *See*—  
Baumann, Ulrich, and Mehlitz. 2,721,278.
- Mehlman, Leonard R.: *See*—  
Balint, John, Mehlman, and Andrews. 2,710,705.
- Mehlretter, Charles L., to the United States of America as represented by the Secretary of Agriculture. Re. 23,966, Cl. 260—345.7.
- Mehlretter, Charles L., to the United States of America as represented by the Secretary of Agriculture. 2,713,553, Cl. 204—79.
- Mehlretter, Charles L., and F. B. Weakley, to the United States of America as represented by the Secretary of Agriculture. 2,715,627, Cl. 260—285.
- Mehnert, Walker V., to VEB Fahrradwerk Elite Diamant VVB IFA. 2,705,408, Cl. 66—64.
- Meidenbauer, Phillip E., Jr., to Firewel Industries. 2,728,340, Cl. 128—142.
- Meier, Axel W.,  $\frac{1}{2}$  to F. A. Wilson. 2,699,935, Cl. 267—66.
- Meier, Edwin E.: *See*—  
Yunker, George. 2,716,166.
- Meier, Edwin H., to Esso Research and Engineering Co. 2,726,290, Cl. 179—171.
- Meier, Emil: *See*—  
Staerkle, Max A., and Meier. 2,698,818.
- Staerkle, Max A., and Meier. 2,698,936.
- Staerkle, Max A., Meier, and Christoffel. 2,698,937.
- Meier & Frank Merchandise Co.: *See*—  
McClimans, Thomas L. 2,721,585.
- Meier, Herbert H., to Esso Research and Engineering Co. 2,709,196, Cl. 260—683.6.
- Meier, Johann: *See*—  
Mettler, Erhard K., and Meier. 2,709,541.
- Meier, Juerg A., and M. O. Shrader, to General Aniline & Film Corp. 2,715,127, Cl. 260—281.
- Meier & Pohlmann Furniture Co.: *See*—  
Haven, David S. 2,709,485.
- Meier, Robert C., Jr. 2,700,493, Cl. 224—36.
- Meier, Robert C., Jr., to Berkeley Mfg. Co., Inc. 2,704,626, Cl. 224—32.
- Meier, Robert H.: *See*—  
Thomann, Fred A., and Meier. 2,719,394.
- Meier, William A. 2,700,255, Cl. 51—89.
- Meier-Windhorst, August, and B. Hanss. 2,723,438, Cl. 26—57.
- Meighan, William A., and T. L. Hume. 2,710,998, Cl. 24—68.
- Meiklejohn, Ian G. 2,701,725, Cl. 280—38.
- Meilander, Willard C., and R. De Masi. 2,718,292, Cl. 192—40.
- Meili, Ernst, to Electro-Watt Electrical and Industrial Management Co., Ltd. 2,702,898, Cl. 340—237.
- Meili, Louis. 2,700,568, Cl. 294—78.
- Meindersma, Elize: *See*—  
Ter Stege, Willem C., and Meindersma. 2,699,969.
- Meinel, Karl, to Wacker-Chemie G. m. b. H. 2,716,131, Cl. 260—465.4.
- Meinel, William J., to Heintz Mfg. Co. 2,703,702, Cl. 257—262.12.
- Meinerding, Wesley C. 2,722,092, Cl. 51—190.
- Meinert, Norbert: *See*—  
Weissenberg, Gustav, Bredow, and Meinert. 2,723,203.
- Meinzer, Gotthold H.: *See*—  
Miller, Robert P., Mathewson, and Meinzer. 2,714,961.
- Meisel, George M., H. P. Kautz, and J. C. Hupp, to Colorado Iron Works Co. 2,701,742, Cl. 308—36.1.
- Meisenburg, Karl, to Blaw-Knox Co. 2,713,217, Cl. 37—108.
- Meisenheimer, Raymond L., and M. B. Shrader, to Radio Corp. of America. 2,706,802, Cl. 332—64.
- Meissler, Ludwig: *See*—  
Benink, Christian J. M., Bungert, Clauss, Meissler, Schumann, and Schuster. 2,704,526.
- Meissler, Ludwig, to G. M. Pfaff A.-G. 2,727,479, Cl. 112—225.
- Meissner, Herman P., to Arthur D. Little, Inc. 2,705,661, Cl. 299—95.
- Meissner, William E., to American Viscose Corp. 2,726,035, Cl. 232—43.1.
- Meissner, William E., to American Viscose Corp. 2,726,620, Cl. 113—59.
- Meister, George: *See*—  
Heine, Thomas H., and Meister. 2,724,070.
- Meister, George, to Westinghouse Electric Corp. 2,699,371, Cl. 316—12.
- Meister, George, to Westinghouse Electric Corp. 2,715,691, Cl. 313—25.
- Meister, George, and T. H. Heine, to Westinghouse Electric Corp. 2,714,682, Cl. 313—109.
- Meister, George, and T. H. Heine, to Westinghouse Electric Corp. 2,714,684, Cl. 313—112.
- Meister, George, and T. H. Heine, to Westinghouse Electric Corp. 2,714,685, Cl. 313—185.
- Meister, Leo T. 2,728,296, Cl. 102—70.2.
- Meister, Peter D., and R. H. Levin, to The Upjohn Co. 2,720,534, Cl. 260—397.1.
- Meistrich, Sidney J.: *See*—  
Acker, Morris and H., Weitz, and Meistrich. 2,709,209.
- Mekelburg, Earl F., to Square D Co. 2,716,171, Cl. 200—97.
- Mekler, Lev A. 2,714,878, Cl. 122—235.
- Mekler, Valentine: *See*—  
Schauble, Otto C., Mekler, Palchik, and Bogart. 2,718,216.
- Melamed, Sidney: *See*—  
Croxall, Willard J., and Melamed. 2,715,631.
- Hankins, Elinor M., and Melamed. 2,727,016.
- Melamed, Sidney, to Rohm & Haas Co. 2,720,508, Cl. 260—77.5.
- Melamed, Sidney, to Rohm & Haas Co. 2,727,019, Cl. 260—79.7.
- Melamed, Sidney, and B. F. Aycock, to Rohm & Haas Co. 2,727,020, Cl. 260—80.3.
- Melby, Gerald T.: *See*—  
Sjodin, Arne V., and Melby. 2,715,989.
- Melcher, Karl. 2,704,399, Cl. 30—266.
- Melcher, Robert E. 2,728,256, Cl. 84—385.
- Melchert, Adelbert H.: *See*—  
Visser, Gerrit A., Melchert, and Crawford. 2,726,316.
- Visser, Gerrit A., Melchert, and Crawford. 2,727,115.
- Meldahl, Waldemar J., to J. I. Case Co. 2,718,741, Cl. 55—118.
- Meldrum, Clarence B. 2,714,387, Cl. 135—6.
- Melehan, George M. 2,714,196, Cl. 339—97.
- Melfi, Veto. 2,727,599, Cl. 192—048.
- Melhuish, Lawrence E.: *See*—  
Locke, George A., Melhuish, and Ostendorf. 2,714,626.
- Melik-Minassiantz, Raphael. 2,726,521, Cl. 63—27.
- Melker, Charles E.: *See*—  
Buck, W. Floyd, and Thomas. 2,699,793.
- Mellberg, Frank W., to Bell & Howell Co. 2,720,815, Cl. 88—57.
- Mellies, Russell L.: *See*—  
Wolff, Ivan A., Mellies, and Rist. 2,712,007.
- Mellon, Patrick R., 50% to A. C. Arnaud. 2,708,937, Cl. 131—237.
- Mellor Bromley & Co. Ltd.: *See*—  
Shortland, Arthur. 2,702,718.
- Mellott, Walter: *See*—  
Hoyt, Karl R. 2,703,340.
- Melmoth, Robert B.: *See*—  
Bogart, Harold N., and Melmoth. 2,716,604.
- Melnick, Daniel, to The Best Foods, Inc. 2,724,650, Cl. 99—179.
- Melnyk, Genevieve T. 2,698,941, Cl. 2—42.
- Melone, Angelo F. 2,709,372, Cl. 74—230.17.
- Melore, Paul J.: *See*—  
Sweitzer, Carl W., and Melore. 2,707,673.
- Melpar, Inc.: *See*—  
Camp, Glen D. 2,726,386.
- Hurvitz, Hyman. 2,727,100.
- Lawson, Axel A. 2,726,889.
- Melrose, Denis G., to National Research Development Corp. 2,721,732, Cl. 261—83.
- Melrose Hospital Uniform Co., Inc.: *See*—  
Lewis, Sidney, and Bodnar. 2,701,323.
- Melsheimer, Robert S., to Bell Telephone Laboratories, Inc. 2,710,921, Cl. 250—36.
- Melstrom, Donald S.: *See*—  
Anderegg, Arnold H., and Melstrom. 2,714,619.
- Melton, Carl M.,  $\frac{1}{2}$  to M. Newburger. 2,705,008, Cl. 128—218.
- Melton, Terrell J.: *See*—  
Terry, Doyle W., and Melton. 2,700,793.
- Terry, Doyle W., and Melton. 2,707,303.
- Melton, Trinney T.: *See*—  
Parrish, Walter L., and Autry. 2,724,296.
- Meltzer, Jack. 2,713,691, Cl. 12—142.
- Meltzer, Theodore H.: *See*—  
Tobolsky, Arthur V., and Meltzer. 2,728,750.
- Melville, John B. 2,709,618, Cl. 294—87.28.
- Melville, John B. 2,709,619, Cl. 294—87.28.
- Melvin, Francis F. 2,716,857, Cl. 56—400.17.
- Melvin, Francis F. 2,720,745, Cl. 56—400.17.
- Melvin, Leland R.: *See*—  
Kodet, Gustav, Dewees, Melvin, and Burns. 2,715,367.
- Melzer, Jean. 2,703,770, Cl. 154—85.
- Melzer, Julius, to American Can Co. 2,721,396, Cl. 34—149.



- Meminger, Paul. 2,713,340, Cl. 128—96.  
 Memphis Metal Mfg. Co., Inc.: *See*—  
   Small, Chesley T. 2,722,418.  
 Menaul, Paul D. 2,700,652, Cl. 252—8.55.  
 Menaul, Paul L. 2,717,876, Cl. 252—8.55.  
 Mendelsohn, Lewis I., to General Electric Co. 2,724,174, Cl. 29—180.  
 Mendelsohn, Lewis I., to General Electric Co. 2,725,266, Cl. 308—10.  
 Mendenhall, Charles A., to Bendix Aviation Corp. 2,704,939, Cl. 74—7.  
 Mendenhall, Charles A., to Bendix Aviation Corp. 2,706,413, Cl. 74—7.  
 Mendenhall, Charles A., to Bendix Aviation Corp. 2,709,369, Cl. 74—6.  
 Mendenhall, Charles A., to Bendix Aviation Corp. 2,714,312, Cl. 74—7.  
 Mendenhall, Charles A., to Bendix Aviation Corp. 2,719,433, Cl. 74—124.  
 Mendenhall, Elwyn E., and J. K. Rulon, to Rulon-Henderson, Inc. 2,714,892, Cl. 134—72.  
 Mendenhall, Hallam E., to Bell Telephone Laboratories, Inc. 2,700,626, Cl. 117—217.  
 Méndez, Alfredo. 2,701,133, Cl. 261—16.  
 Mendez, Charles E. 2,714,017, Cl. 280—432.  
 Mendousse, Jean S., to the United States of America as represented by the Secretary of the Navy. 2,711,646, Cl. 73—53.  
 Meneley, Carl A.: *See*—  
   Sheets, Herman E., Hegbar, Feldscher, and Meneley. 2,725,718.  
 Meng, Carl L. 2,715,383, Cl. 116—137.  
 Meng, Carl L. 2,715,384, Cl. 116—137.  
 Meng, Victor W., and A. C. Borgman, to The Patent Scaffolding Co., Inc. 2,720,430, Cl. 304—2.  
 Mengali, Otavio J., to The Battelle Development Corp. 2,710,375, Cl. 324—62.  
 Mengel Co., The: *See*—  
   Soehner, Howard C. 2,705,182.  
   Soehner, Howard C. 2,708,296.  
 Mengel, Joseph W.: *See*—  
   Peters, Ralph W., and Mengel. 2,710,800.  
 Mengod, Manuel: *See*—  
   De Gracia, Manuel. 2,704,517.  
 Menhall, J. W.: *See*—  
   Allen, Edwin H., Jr., and Yoss. 2,712,868.  
 Menhennett, Warn G.: *See*—  
   Heisterkamp, Charles A., Menhennett, Dann, and Harpul. 2,698,478.  
 Menkens, Albert B.: *See*—  
   Dale, Orie O., and Menkens. 2,698,678.  
 Menn, Jacob J., and E. G. Wallace, to Shell Development Co. 2,727,928, Cl. 260—624.  
 Menne, Wilhelm J., to G. Frank. 2,719,765, Cl. 308—193.  
 Mennesson, Marcel, to Societe d'Appareils de Controle et d'Equiptement des Moteurs (S. A. C. E. M.), S. A. R. L. 2,699,228, Cl. 188—24.  
 Mennesson, Marcel, to Societe d'Appareils de Controle et d'Equiptement des Noteurs (S. A. C. E. M.). 2,725,111, Cl. 180—31.  
 Menning, Ralph H., J. R. Pratt, and R. T. Manley, to The Vendo Co. 2,705,577, Cl. 221—264.  
 Menough, Paul S. 2,710,746, Cl. 263—47.  
 Menton, Jack K., and B. W. Cathcart. 2,705,129, Cl. 255—76.  
 Menzel, Thomas J.: *See*—  
   Kardos, Otto, Menzel, and Sweet. 2,712,522.  
 Menzies, Alexander C. G., G. E. Fensom, and W. Zehden, to Hilger & Watts Ltd. 2,717,401, Cl. 10—101.  
 Meohas, Isaac. 2,727,305, Cl. 30—279.  
 Meohas, Isaac R. 2,722,937, Cl. 131—179.  
 Merancy, Arthur E.,  $\frac{1}{2}$  to M. V. Ostaszski. 2,705,791, Cl. 340—220.  
 Merancy, Arthur E., and T. Weisz: said Merancy assor. to said Weisz. 2,703,579, Cl. 134—58.  
 Merbler, Rudolph. 2,722,429, Cl. 280—11.28.  
 Mercast Corp.: *See*—  
   Sindeband, Seymour J. 2,711,570.  
 Mercer, Don M.: *See*—  
   Cross, Marvin W., and Mercer. 2,705,552.  
 Mercer Engineering Co.: *See*—  
   Kramer, Israel. 2,699,043.  
   Kramer, Israel. 2,718,764.  
 Mercer, Harold L., to Ford Motor Co. 2,723,931, Cl. 154—2.7.  
 Mercer, Leonard V.: *See*—  
   Atwater, Verne L., and Mercer. 2,718,299.  
 Mercer, Richard. 2,707,095, Cl. 179—18.  
 Mercer, Robert P.: *See*—  
   Farrington, Thayer B. and R. K., and Ikeda, and Mercer. 2,728,848.  
 Mercer, Warren R., to Lockheed Aircraft Corp. 2,724,297, Cl. 81—40.  
 Merchandise Presentation, Inc.: *See*—  
   Charnin, Hyman. 2,706,829.  
 Merchant, Robert B., to Bendix Aviation Corp. 2,712,593, Cl. 240—2.1.  
 Mercier, Amos J., and G. G. Morin. 2,709,531, Cl. 214—357.  
 Mercier Development Corp.: *See*—  
   Mercier, Ernest. 2,702,453.  
 Mercier, Ernest, to Mercier Development Corp. 2,702,453, Cl. 60—39.18.  
 Mercier, Jean. 2,702,704, Cl. 268—55.  
 Mercier, Jean. 2,714,392, Cl. 137—514.7.  
 Merck & Co., Inc.: *See*—  
   Arth, Glen E., Poos, and Sarett. 2,722,532.  
   Beutel, Ralph H. 2,712,515.  
   Brown, Horace D. 2,718,519.  
   Bryan, Jack T., and Daughenbaugh. 2,720,482.  
   Charney, Jesse. 2,727,665.  
   Clarke, Robert E., and Collins. 2,703,748.  
   Cope, Arthur C. 2,725,380.  
   Feurer, Max N. 2,720,529.  
   Grabber, Robert P., and Wendler. 2,728,783.  
   Hall, Victor C. 2,700,497.  
   Hanus, Edward J. 2,719,812.  
   Hirschmann, Ralph F., Wendler, and Ruyle. 2,716,125.  
   Koniuszy, Frank R., and Folkers. 2,701,249.  
   La Pierre, Raymond. 2,712,499.  
   Leanza, William J., and Rogers. 2,720,481.  
   Leanza, William J., and Rogers. 2,728,768.  
   Newhall, William F. 2,720,542.  
   Novello, Frederick C. 2,726,260.  
   Pfister, Karl, III, and Leanza. 2,708,202.  
   Pfister, Karl, III, and Tishler. 2,715,626.  
   Rickes, Edward L., and Wood. 2,703,302.  
   Rickes, Edward L., and Wood. 2,703,303.  
   Rogers, Edward F. 2,723,273.  
   Shafer, Henry M., and Holland. 2,702,263.  
   Shafer, Henry M., and Holland. 2,709,669.  
   Schultz, Everett M. 2,703,329.  
   Sprague, James M., and Schultz. 2,717,895.  
   Sprague, James M., and Ziegler. 2,724,715.  
   Wejlard, John. 2,706,198.  
   Wejlard, John, and Tishler. 2,715,634.  
   Wilde, Herman E. 2,707,689.  
   Wolf, Donald E., and Folkers. 2,710,298.  
   Wolf, Donald E., Folkers, and Peck. 2,720,527.  
   Wolff, John E., and Wilcox. 2,700,938.  
   Wolff, John E., Wilcox, and Wyatt. 2,727,473.  
   Ziegler, Carl. 2,717,904.  
   Ziegler, Carl. 2,717,905.  
 Merckel, Frederick G., and L. Reiner, to Wallace & Tiernan Co., Inc. 2,700,012, Cl. 167—93.  
 Merckling, Nicholas G.: *See*—  
   Anderson, Arthur W., and Merckling. 2,721,189.  
 Merco Centrifugal Co.: *See*—  
   Peltzer, Albert Sr. 2,698,826.  
 Mercur, Dave. 2,720,422, Cl. 299—95.  
 Mercury Engineering Corp.: *See*—  
   Zernov, Peter. 2,703,263.  
 Meredew, George C., and G. C. Stevens, to B. Bercovitz. 2,715,483, Cl. 222—181.  
 Meredew, George C., and G. C. Stevens, to B. Bercovitz. 2,721,677, Cl. 222—333.  
 Meredith, Andrew T. 2,723,765, Cl. 211—119.  
 Meredith, Frederick W., to S. Smith & Sons (England) Ltd. 2,701,969, Cl. 73—431.  
 Meredith, Frederick W., to S. Smith & Sons (England) Ltd. 2,710,729, Cl. 244—77.  
 Meredith, Frederick W., to S. Smith & Sons (England) Ltd. 2,721,713, Cl. 244—83.  
 Meredith, Frederick W., to Smith America Corp. 2,728,035, Cl. 317—246.  
 Meredith, Robert J., to Walker Process Equipment Inc. 2,698,655, Cl. 158—123.  
 Meredith, Samuel A.: *See*—  
   Beltman, George C., and Meredith. 2,707,230.  
 Meretey, Zoltan N., to PM Industries, Inc. 2,721,043, Cl. 242—122.  
 Mergen, Joseph M., and R. K. Tiedeman, to Curtiss-Wright Corp. 2,699,220, Cl. 170—160.35.  
 Merzen, Joseph M., R. T. Zwack, and G. P. Knapp, to Curtiss-Wright Corp. 2,720,927, Cl. 170—160.18.  
 Mergenthaler Linotype Co.: *See*—  
   Ferguson, Walter F. C., and Greig. 2,699,101.  
   Hilpman, John H. 2,708,505.  
   Hilpman, John H. 2,708,507.  
   Hilpman, Paul. 2,703,171.  
   Mims, Ivan C. 2,721,648.  
   Oppenheimer, Edgar D., Jr. 2,723,024.  
   Quadt, John W. 2,712,247.  
   Rossetto, Louis. 2,706,553.  
   Rossetto, Louis. 2,707,549.  
   Rossetto, Louis, Hilpman, and Abbott. 2,723,023.  
   Thompson, William J. 2,714,951.  
   Turner, Ransom H. 2,712,380.  
   Weckbaugh, Joseph V. 2,716,553.  
 Mergi, William H.: *See*—  
   Potter, Elbert L., Jr., and Mergi. 2,705,633.  
 Merian, Ernst: *See*—  
   Kartaschoff, Valentine, and Merian. 2,720,517.  
 Merkel, Harry G.: *See*—  
   Grenzebach, Edgar L., and Merkel. 2,717,547.  
 Merker, Leon: *See*—  
   Lynd, Langtry E. 2,723,916.  
 Merker, Leon, to National Lead Co. 2,715,071, Cl. 106—42.  
 Merker, Leon, to National Lead Co. 2,723,915, Cl. 106—42.  
 Merker, Robert L. 2,722,516, Cl. 252—40.  
 Merker, Robert L., and W. A. Zisman. 2,719,123, Cl. 252—40.7.  
 Merla Tool Corp.: *See*—  
   Larkin, Randall W. 2,707,489.  
 Merlin, Alfred G., and J. P. Mamere, to The National Screw & Mfg. Co. 2,716,759, Cl. 10—26.  
 Merlin, Charles: *See*—  
   Sousa, Louis M., and Merlin. 2,727,532.



- Merlin, Murray, and S. Miller. 2,713,174, Cl. 4—185.  
Mermelstein, Morris. 2,720,407, Cl. 291—25.  
Mermillod, Jean: *See*—  
  Åhlén, Karl G. 2,699,642.  
  Åhlén, Karl G. 2,699,689.  
  Åhlén, Karl G. 2,700,444.  
  Boestad, Gustav K. W. 2,701,130.  
  Spreter, Victor, and Mermillod. 2,702,271.  
  Spreter, Victor, and Mermillod. 2,724,687.  
Merolle, Augustus L., to Empire Metal Cap Co. Inc. 2,723,040, Cl. 215—43.  
Meroney, Coleman A., to Ajust-A-Dyper Co., Inc. 2,718,888, Cl. 128—284.  
Merrell, Edwin J., to Phelps Dodge Copper Products Corp. 2,713,081, Cl. 174—14.  
Merriam, Henry F., and H. H. Hurmence, to Allied Chemical & Dye Corp. 2,726,933, Cl. 23—179.  
Merriam, John L. 2,723,070, Cl. 226—109.  
Merrick, Maurice J., to Sawyer's Inc. 2,712,773, Cl. 88—29.  
Merrick, Wallace N.: *See*—  
  Lucius, Joshua A., Jr., and Merrick. 2,702,628.  
Merrifield, J. D., and Son: *See*—  
  Kindseth, Harold V., and Merrifield. 2,727,713.  
Merrifield, John D.: *See*—  
  Kindseth, Harold V., and Merrifield. 2,727,713.  
Merrifield, Ward A. 2,717,575, Cl. 118—413.  
Merrigan, William J.: *See*—  
  Scott, William H., and Merrigan. 2,705,096.  
Merrill, Albert H. 2,701,423, Cl. 35—9.  
Merrill, Frank C., and C. H. Cobb. 2,708,707, Cl. 219—35.  
Merrill, Howard W.: *See*—  
  Bender, Welcome W., Rauth, Merrill, and Richardson. 2,719,685.  
Merrill, Leslie M.: *See*—  
  Åhlén, Karl G. 2,707,408.  
  Åhlén, Karl G. 2,719,616.  
  Lysholm, Alf, Boestad, and Nilsson. 2,720,935.  
  Marble, Jarvis C. 2,707,539.  
  Nilsson, Hans R., and Lindhagen. 2,709,336.  
  Ödman, Tor A. 2,706,109.  
Merrill, Leslie M., G. V. Karlson, and V. L. Oestnaes, deceased (by M. P. Oestnaes, executrix), to Elastic Stop Nut Corp. of America. 2,724,862, Cl. 18—36.  
Merrill, Leslie M., G. V. Karlson, and V. L. Oestnaes, deceased (by M. P. Oestnaes, executrix), to Elastic Stop Nut Corp. of America. 2,724,869, Cl. 18—59.  
Merrill, Leslie M., G. V. Karlson, and V. L. Oestnaes, deceased (by M. P. Oestnaes, executrix), to Elastic Stop Nut Corp. of America. 2,725,539, Cl. 336—96.  
Merrill, Marcellus S. 2,702,195, Cl. 280—167.  
Merrill, Robert A., and H. S. Mika, to United States Rubber Co. 2,726,922, Cl. 18—2.  
Merrill, Roger L., and W. Hecox, to The Exact Weight Scale Co. 2,722,640, Cl. 318—29.  
Merriman Brothers, Inc.: *See*—  
  Wayson, Andrew J. 2,718,112.  
Merriman, John A. 2,710,054, Cl. 157—1.  
Merritt, Glenn W., to The Nolan Co. 2,726,364, Cl. 318—475.  
Merritt, Lucy: *See*—  
  Glaser, Lucy. 2,725,406.  
Merritt, Lucy, to Ethyl Corp. 2,725,408, Cl. 260—650.  
Merritt, Ronald A. 2,706,023, Cl. 189—31.5.  
Merrrow, John G. G.: *See*—  
  Moore, David P. 2,717,473.  
Merritt, Gordon C.: *See*—  
  Chestnutt, John E. 2,701,022.  
Merryweather, Gerald and L. 2,707,946, Cl. 126—140.  
Merryweather, Lloyd: *See*—  
  Merryweather, Gerald and L. 2,707,946.  
Merryweather, Thomas. 2,723,071, Cl. 228—63.  
Mershon, Clarence L.: *See*—  
  Keith, Robert H., and Mershon. 2,717,318.  
  Malick, Franklin S., and Mershon. 2,725,519.  
Mershon, Clarence L., to Westinghouse Electric Corp. 2,725,452, Cl. 219—20.  
Merten, Eugen, to Shell Development Co. 2,710,070, Cl. 181—0.5.  
Merten, Eugen, to Shell Development Co. 2,723,106, Cl. 255—4.4.  
Mertes, Edward A.: *See*—  
  Boyle, John R. 2,720,085.  
Mertes, Joseph V.: *See*—  
  Peck, Elbert D., Mertes, and Hartwell. 2,722,705.  
Mertler, Charles S., to Stevens Mfg. Co., Inc. 2,703,358, Cl. 219—44.  
Mertler, Charles S., to Stevens Mfg. Co., Inc. 2,708,398, Cl. 99—281.  
Mertler, Charles S., to Stevens Mfg. Co., Inc. 2,715,167, Cl. 200—138.  
Mertler, Charles S., to Stevens Mfg. Co., Inc. 2,715,168, Cl. 200—138.  
Merton, Thomas R., to National Research Development Corp. 2,702,393, Cl. 10—101.  
Mertz, Elias L. 2,712,368, Cl. 189—31.4.  
Mertzweiller, Joseph K.: *See*—  
  Biribauer, Frank A., Staib, and Mertzweiller. 2,726,199.  
  Fasce, Egi V., and Mertzweiller. 2,705,729.  
  Owen, John J., and Mertzweiller. 2,699,454.  
Mertzweiller, Joseph K., to Esso Research and Engineering Co. 2,709,714, Cl. 260—638.  
Mertzweiller, Joseph K., and C. N. Kimberlin, Jr., to Esso Research and Engineering Co. 2,709,713, Cl. 260—638.  
Mertzweiller, Joseph K., and W. M. Smith, to Esso Research and Engineering Co. 2,725,401, Cl. 260—604.  
Merwin, Harry H., and F. J. Sweeney, to Western Electric Co., Inc. 2,704,914, Cl. 51—98.  
Merz-Werke-Gebrüder Merz: *See*—  
  Mühlbeyer, Josef. 2,720,300.  
Meshberg, Philip. 2,721,010, Cl. 222—394.  
Meshberg, Philip. 2,722,833, Cl. 73—128.  
Meshbisher, Nathan: *See*—  
  Hanson, Glen N. 2,712,305.  
Mesick, Edith M.: *See*—  
  Mesick, Harry F., Jr. 2,698,991.  
Mesick, Harry F., Jr., deceased, by E. M. Mesick, administratrix, to General Electric Co. 2,698,991, Cl. 29—195.  
Mesner, Max H., to Radio Corp. of America. 2,702,382, Cl. 343—7.7.  
Mesner, Max H., to Radio Corp. of America. 2,713,149, Cl. 332—18.  
Messenger, Donald L.: *See*—  
  Stocker, James E., and Messenger. 2,728,847.  
Messenger, George E., and D. A. W. Batchelor, to Hunter-Penrose Ltd. 2,717,544, Cl. 95—45.  
Messer, Adolph, G. m. b. H.: *See*—  
  Maetz, August. 2,724,954.  
Messer, Marion F. 2,718,090, Cl. 43—89.  
Messer, Wilbur A. 2,718,984, Cl. 222—100.  
Messick, Kirwan Y. 2,699,649, Cl. 60—51.  
Messimer, Ward N. 2,700,208, Cl. 29—149.5.  
Messing, Hjalmar S., to American Defibrator Inc. 2,710,726, Cl. 241—256.  
Messinger, Lester H., to Remington Arms Co., Inc. 2,715,962, Cl. 209—72.  
Messler, Allan H., and C. R. Lewis, to Colt's Mfg. Co. 2,712,825, Cl. 134—68.  
Messmer, Robert C., to American Viscose Corp. 2,710,563, Cl. 90—14.  
Messner, Georg, to Inventa A-G fuer Forschung und Patentverwertung Luzern. 2,707,678, Cl. 75—68.  
Mesta Machine Co.: *See*—  
  Waldschutz, Franz J. 2,714,339.  
Mestel, Herman. 2,700,971, Cl. 128—158.  
Mestrand, Maxime A. 2,722,220, Cl. 128—334.  
Metacomet Mfg. Co., Inc.: *See*—  
  Goldberg, George. 2,702,067.  
Metal Engineering Co.: *See*—  
  Berger, Harold A. 2,705,899.  
  Britton, Harry E. 2,714,828.  
Metal Hydrides Inc.: *See*—  
  Alexander, Peter P. 2,702,234.  
  Banus, Mario D., and Bragdon. 2,720,444.  
  Gibb, Thomas R. P., Jr. 2,702,281.  
  Wade, Robert C., and Alexander. 2,702,740.  
Metal Seal & Products, Inc.: *See*—  
  Heinrich, August H. 2,714,025.  
Metal Separation Corp.: *See*—  
  Mansbach, Alvin A. 2,703,230.  
Metal Textile Corp.: *See*—  
  Schreiber, Otmar P. 2,727,084.  
Metal & Thermit Corp.: *See*—  
  Gloskey, Carl R. 2,718,522.  
  Richter, Hartmut. 2,726,929.  
  Weinberg, Elliott L. 2,715,111.  
Metallgesellschaft AG: *See*—  
  Bretschneider, Horst. 2,716,657.  
Metallgesellschaft Aktiengesellschaft: *See*—  
  Danulat, Friedrich, and Schmalfeld. 2,701,758.  
  Depmer, Wilhelm, Hepp, and Koenig. 2,707,712.  
  Eisenlohr, Karl-Heinz, Jauernik, and Kohrt. 2,701,753.  
  Eyerund, Paul. 2,702,785.  
  Gross, Hans-Werner, and Royen. 2,727,056.  
  Hanke, Karl, and Depmer. 2,722,474.  
  Wendeborn, Helmut, and Zimmermann. 2,718,070.  
Metallizing Engineering Co. Inc.: *See*—  
  Shepard, Arthur P. 2,714,244.  
  Shepard, Arthur P. 2,714,530.  
Metallurgical Processes Co.: *See*—  
  Ness, Harold J. 2,706,110.  
Metall-Werk Meschede G. m. b. H.: *See*—  
  Kropff, Wilhelm. 2,724,525.  
Metals & Controls Corp.: *See*—  
  Durst, George. 2,700,907.  
  Durst, George. 2,709,142.  
  Durst, George. 2,713,011.  
  Epstein, Henry D. 2,700,714.  
  Kurtz, Edward F. 2,707,763.  
  Vaughan, Victor G. 2,727,962.  
Metalwash Machinery Co.: *See*—  
  Pettit, Jack L. 2,706,991.  
Metcalf, Herbert E., to S and W Fine Foods, Inc. 2,720,962, Cl. 198—33.  
Metcalf, Walter W. 2,717,539, Cl. 92—43.  
Metcalf, Walter W., to Stevens & Thompson Paper Co. 2,724,541, Cl. 229—30.  
Metcut Research Associates: *See*—  
  Clutter, Carl E., Dugle, Field, and Foster. 2,723,507.  
Meth, Max. 2,720,487, Cl. 204—19.  
Methe, Paul S., to Allegheny Ludlum Steel Corp. 2,700,607, Cl. 75—175.5.  
Methe, Paul S., to Allegheny Ludlum Steel Corp. 2,711,960, Cl. 75—177.  
Metivier, Jean: *See*—  
  Horclois, Raymond J., and Metivier. 2,708,670.



- Mettraller, Francis M., to General Electric Co. 2,707,392, Cl. 73—133.
- Metropolitan-Vickers Electrical Co., Ltd.: *See*—  
Armour, Alan M. 2,721,973.  
Bleas, Jack. 2,712,399.  
Diggle, Harold, and Fowler. 2,720,565.  
Kilner, William N. 2,724,064.  
Kilner, William N., and Wood. 2,727,161.
- Mettler, Erhard K., and J. Meier; said Meier assor. to said Mettler. 2,709,541, Cl. 222—161.
- Metz, Anthony J., to Bettendorf Bakery Equipment Co. 2,722,782, Cl. 51—98.
- Metzger, Artur. 2,721,469, Cl. 69—46.
- Metzger, Frederick W.: *See*—  
Matlack, Richard C., and Metzger. 2,717,279.  
Metzger, Henry L. 2,710,132, Cl. 229—18.  
Metzger, Martin C., to Worthington Corp. 2,714,883, Cl. 123—198.
- Metzger, Walter F.: *See*—  
Rudnick, Joseph B., and Metzger. 2,699,780.
- Metzger, Walter J. 2,706,440, Cl. 97—205.
- Metzger, William J., to National Malleable and Steel Castings Co. 2,709,007, Cl. 213—146.
- Metzger, William J., to National Malleable and Steel Castings Co. 2,718,968, Cl. 213—61.
- Metzger, William J., to National Malleable and Steel Castings Co. 2,719,634, Cl. 213—153.
- Metzler, Charles L.: *See*—  
Andre, Eugene F., and Metzler. 2,704,629.
- Metzler, Charles L., J. D. Wark, and B. Bowen, to Johnson & Johnson. 2,704,640, Cl. 242—55.5.
- Metzner, Arthur B.: *See*—  
Lewis, Warren K., and Metzner. 2,725,360.
- Metzner, William: *See*—  
Wade, Francis A., and Metzner. 2,725,644.
- Meullen, Henri, and J. Bertin, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. 2,714,879, Cl. 123—65.
- Meuly, Walter C., and B. K. Tremaine, to Rhodia, Inc. 2,709,133, Cl. 92—9.
- Meyer, Alfred W., and P. C. Firing, to National Lead Co. 2,698,718, Cl. 241—39.
- Meyer, Amel R., to Graver Tank & Mfg. Co., Inc. 2,698,891, Cl. 219—8.
- Meyer, Arthur A., to Warner Electric Brake & Clutch Co. 2,714,746, Cl. 18—47.5.
- Meyer, Arthur E., to Fellows Medical Mfg. Co., Inc. 2,721,203, Cl. 260—295.5.
- Meyer, Carl A.: *See*—  
Johnson, George W. 2,699,889.
- Meyer, Charles A., to the United States of America as represented by the Secretary of the Navy. 2,724,947, Cl. 60—35.6.
- Meyer, Christian F., deceased, by K. J. Meyer, executrix, to Textile Machine Works. 2,709,350, Cl. 66—82.
- Meyer, Earl A., to Bjorksten Research Laboratories, Inc. 2,723,214, Cl. 154—52.5.
- Meyer, Edwin W.: *See*—  
Julian, Percy L., Printy, and Meyer. 2,705,238.
- Meyer, Engelbert A., to General Motors Corp. 2,703,662, Cl. 220—3.6.
- Meyer, Erik V., to F. L. Smidth & Co. 2,722,825, Cl. 73—19.
- Meyer, Everet E. 2,717,164, Cl. 280—491.
- Meyer, Friedrich, to Felsa A. G. 2,699,641, Cl. 58—85.
- Meyer, Friedrich, to Felsa A. G. 2,709,332, Cl. 58—83.
- Meyer, Friedrich, to Felsa A. G. 2,720,747, Cl. 58—85.
- Meyer, Friedrich, to Felsa A. G. 2,728,189, Cl. 58—112.
- Meyer, Gerson, to Eastman Kodak Co. 2,699,402, Cl. 117—35.
- Meyer, Gene: *See*—  
Smith, William A., Mattson, and Meyer. 2,721,657.  
Smith, William A., Mattson, Meyer, and Baxter. 2,724,499.
- Meyer, Geo. J., Mfg. Co.: *See*—  
Carter, Sidney T. 2,708,502.  
Carter, Sidney T. 2,722,332.  
Carter, Sidney T. 2,723,743.  
Meyer, George L. N. 2,721,020.
- Meyer, George L. N. 2,699,968, Cl. 299—59.
- Meyer, George L. N. 2,708,021, Cl. 198—30.
- Meyer, George L. N., to Geo. J. Meyer Mfg. Co. 2,721,020, Cl. 226—96.
- Meyer, Gerson, to Drapin Corp. 2,708,777, Cl. 24—86.
- Meyer, Hans. 2,709,305, Cl. 33—166.
- Meyer, Harold G. 2,708,752, Cl. 2—153.
- Meyer, Harry G. P. 2,714,652, Cl. 240—10.
- Meyer, Henry C. A. 2,701,926, Cl. 38—16.
- Meyer, Henry C. A. 2,706,899, Cl. 68—24.
- Meyer, Henry C. A., to United States Hoffman Machinery Corp. 2,711,642, Cl. 68—241.
- Meyer, James R., and F. A. Loebel, to Cleaver-Brooks Co. 2,722,733, Cl. 29—157.3.
- Meyer, Joseph H., Bros.: *See*—  
Charles, Geoffrey R. S. 2,714,269.
- Meyer, Katherine J.: *See*—  
Meyer, Christian F. 2,709,350.
- Meyer, Kenneth B.: *See*—  
Koerner, Julian A., and Meyer. 2,728,808.
- Meyer, Konrad, and H. Pfister. 2,725,926, Cl. 155—140.
- Meyer, Lester W. A., and M. H. Broyles, to Eastman Kodak Co. 2,708,638, Cl. 106—176.
- Meyer, Lester W. A., and M. H. Broyles, to Eastman Kodak Co. 2,716,071, Cl. 106—182.
- Meyer, Max, to Roamer Watch Co., S. A. 2,724,234, Cl. 58—82.
- Meyer, Otto, to Demag-Zug G. m. b. H. 2,727,163, Cl. 310—77.
- Meyer, Paul: *See*—  
Schweiger, Karl, Leuser, and Meyer. 2,699,148.
- Meyer, Paul H., to U. S. Slicing Machine Co., Inc. Re. 24,103, Cl. 198—34.
- Meyer, Raymond E. 2,715,770, Cl. 30—330.
- Meyer, Raymond W.: *See*—  
Bacon, Clare E., Stotler, and Meyer. 2,702,261.
- Meyer, Robert V., to The Foxboro Co. 2,709,751, Cl. 250—43.5.
- Meyer, Walter R., to Enthone, Inc. 2,698,781, Cl. 41—42.
- Meyer, Walter R., to Enthone, Inc. 2,714,089, Cl. 204—48.
- Meyer, Wendel J., to Pullman-Standard Car Mfg. Co. 2,709,973, Cl. 105—409.
- Meyer & Wenhe, Inc.: *See*—  
Priesmeyer, Charles. 2,706,447.  
Priesmeyer, Charles. 2,706,448.
- Meyer, William J., and H. A. Flor. 2,714,973, Cl. 221—174.
- Meyer, William V. 2,698,454, Cl. 16—32.
- Meyerhoefer, Carl E., to Lewyt Corp. 2,716,465, Cl. 183—37.
- Meyerhoefer, Carl E., to Lewyt Corp. 2,716,773, Cl. 15—369.
- Meyerhoefer, Carl E., to Lewyt Corp. 2,720,277, Cl. 183—43.
- Meyer-Jagenberg, Gunther, ½ to Jagenberg-Werke Akt. Ges. 2,719,663, Cl. 229—7.
- Meyer-Jagenberg, Gunther, W. Drese, and H. Welsch, ½ to Jagenberg-Werke Akt.-Ges. 2,699,712, Cl. 93—53.
- Meyerhoff, Albert J., and F. W. Heinis, to Allen B. Du Mont Laboratories, Inc. 2,725,516, Cl. 321—23.
- Meyeroff, William. 2,725,582, Cl. 15—4.
- Meyers, Frank. 2,699,883, Cl. 222—5.
- Meyers, George F. 2,716,844, Cl. 51—34.
- Meyers, George L., J. C. Shutt, and J. E. Schriener, to The Eagle-Picher Co. 2,705,041, Cl. 154—5.
- Meyers, Otto B., to Markem Machine Co. 2,709,587, Cl. 271—2.5.
- Meyers, Ralph F., to Western Electric Co., Inc. 2,708,715, Cl. 246—31.
- Meyers, Raymond I., and C. M. Perkins, to Bendix Aviation Corp. 2,704,647, Cl. 244—77.
- Meyers, Robert D., to Minneapolis-Honeywell Regulator Co. 2,699,523, Cl. 317—246.
- Meyfarth, G. H., Jr.: *See*—  
Franz, Ethan W. P. 2,725,975.
- Meytre, Peter A. 2,712,755, Cl. 73—95.
- Mezey, George. 2,703,994, Cl. 77—21.
- Miag Muehlenbau und Industrie G. m. b. H.: *See*—  
Schubert, Arthur. 2,701,623.
- Micañil A.-G.: *See*—  
Wirth, Otto. 2,699,902.  
Wirth, Otto. 2,704,103.
- Mich, Maurice, to Simplex Industries, Inc. 2,724,896, Cl. 33—25.
- Michael Research Co., Inc.: *See*—  
Craddock, Charles L. 2,717,336.
- Michael, Sidney J., and R. E. McKinley. 2,701,562, Cl. 128—20.
- Michael, Vesta F., to Stanolind Oil and Gas Co. 2,710,829, Cl. 202—39.5.
- Michaelis, Harold A., to General Electric Co. 2,718,854, Cl. 107—55.
- Michaelis, Harold A., and H. F. Swanson, to General Electric Co. 2,715,898, Cl. 126—273.
- Michaelis, Karl. 2,702,942, Cl. 31—1.
- Michaels Art Bronze Co., Inc.: *See*—  
Eames, James O. 2,721,641.
- Michaels, Herbert L. 2,699,484, Cl. 219—19.
- Michaelson, Nelson A. 2,713,429, Cl. 214—53.
- Michailovsky, Nicholas M. 2,701,298, Cl. 240—46.31.
- Michal, Joseph, and R. E. Staehler, to Bell Telephone Laboratories, Inc. 2,722,675, Cl. 340—168.
- Michalek, John \*C., to Olin Mathieson Chemical Corp. 2,709,140, Cl. 117—128.4.
- Michalek, Josef, to International Shoe Machine Corp. 2,720,669, Cl. 12—97.
- Michel, Fritz: *See*—  
Fuerst, Robert J., and Michel. 2,724,601.
- Michel, Josef M., and K. F. Hager, to the United States of America as represented by the Secretary of the Army. 2,704,264, Cl. 117—127.
- Michel, Kurt, W. Kinder, and H. Kuppenbender, to C. Zeiss. 2,720,138, Cl. 88—39.
- Michel, Raymond E., to Minneapolis-Honeywell Regulator Co. 2,706,886, Cl. 60—35.6.
- Micheletti, Enrico: *See*—  
Wheeler, Byron E., and Micheletti. 2,707,938.
- Michelitsch, Walter, and W. Geisel, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,712,557, Cl. 260—555.
- Michell, Anthony G. M., and A. J. Seggel. 2,724,622, Cl. 308—73.
- Michelman, Leonard S.: *See*—  
Ashmus, Robert. 2,706,633.
- Michener, Elliott W., and R. C. Franseen. 2,715,089, Cl. 154—125.
- Michiels, Franciscus M.: *See*—  
Pouliart, Willy H. P., and Michiels. 2,704,361.
- Michigan Bumper Corp.: *See*—  
Hespenheide, Wilbur G. 2,706,329.
- Michigan Moulding Co.: *See*—  
Perry, James G. 2,720,682.
- Michigan Powdered Metal Products Co., Inc.: *See*—  
Haller, John. 2,700,209.  
Haller, John. 2,700,210.
- Michigan Tool Co.: *See*—  
Jarno, John O. 2,698,477.



- Mick, William. 2,700,189, Cl. 19—97.  
Mick, William F., and O. B. Amley, to The Dow Chemical Co. 2,716,074, Cl. 117—65.  
Mickelson, Elmer J. 2,727,651, Cl. 220—42.  
Micro-Precision Inc.: *See*—  
Fodor, Nicholas, and Johnson. 2,699,766.  
Micro Processing Equipment Co. Inc.: *See*—  
Marshall, Donald E. 2,724,702.  
Micro Processing Equipment Inc.: *See*—  
Marshall, Donald E. 2,723,242.  
Marshall, Donald E. 2,723,422.  
Microcyclomat Co., The: *See*—  
Lecher, Joseph. 2,709,552.  
Lykken, Henry G. 2,717,741.  
Lykken, Henry G., and Rozsa. 2,728,456.  
Middendorf, William H., to The Wadsworth Electric Mfg. Co., Inc. 2,716,679, Cl. 200—88.  
Middleditch, Lyman, Jr., to the United States of America as represented by the Secretary of the Army. 2,718,940, Cl. 189—26.  
Middlestadt, Fred: *See*—  
Morsey, Charles J. 2,720,843.  
Middleton, Arthur E.: *See*—  
Willardson, Robert K., Beer, and Middleton. 2,719,253.  
Willardson, Robert K., Goering, and Middleton. 2,710,253.  
Middleton, Donald R.: *See*—  
Bixby, William H. 2,709,778.  
Bixby, William H. 2,709,779.  
Bixby, William H. 2,713,140.  
Middleton, Robert G. 2,705,254, Cl. 136—171.  
Middleton, William E. K. 2,720,812, Cl. 88—14.  
Middleton, William H., and W. L. Long; said Long assor. to D. P. Teed. 2,723,677, Cl. 137—270.  
Middleton, William J., to E. I. du Pont de Nemours and Co. 2,721,206, Cl. 260—465.4.  
Middleton, William J., to E. I. du Pont de Nemours and Co. 2,726,249, Cl. 260—326.5.  
Midgley, Eric L., and F. T. Richardson, to Sylvania Electric Products Inc. 2,721,373, Cl. 29—25.19.  
Midgley, Eric L., and C. A. Young, to Sylvania Electric Products Inc. 2,721,584, Cl. 140—71.5.  
Midland Co., The: *See*—  
Hallead, Mervil. 2,711,805.  
Hupp, Arleigh G. 2,709,493.  
Midland Steel Products Co., The: *See*—  
McKinley, William A. 2,728,587.  
Midwest Research Institute: *See*—  
Niven, William W., Jr. 2,715,282.  
Midwest Supply and Mfg. Co.: *See*—  
Thiel, Otto. 2,722,784.  
Thiel, Otto. 2,722,788.  
Mieher, Walter W.: *See*—  
Shepherd, James E., Mieher, and White. 2,710,399.  
Miehle Printing Press and Mfg. Co.: *See*—  
Harter, Earl F. 2,724,066.  
Luscombe, Edgar A. 2,701,523.  
Luscombe, Edgar A. 2,713,823.  
Sanders, Clarence A. 2,723,852.  
Miele, Carl. 2,702,527, Cl. 119—75.  
Mielke, Morris V., to United States Steel Corp. 2,714,959, Cl. 209—214.  
Miescher, Karl, and H. Kaegi, to Ciba Pharmaceutical Products, Inc. 2,714,108, Cl. 260—294.7.  
Miescher, Karl, A. Wettstein, and K. Heusler, to Ciba Pharmaceutical Products, Inc. 2,714,112, Cl. 260—397.1.  
Miessner, Benjamin F. 2,713,848, Cl. 120—50.  
Miessner, Benjamin F. 2,724,366, Cl. 120—42.16.  
Miessner, Benjamin F., to Miessner Inventions Inc. 2,704,957, Cl. 84—1.15.  
Miessner Inventions Inc.: *See*—  
Miessner, Benjamin F. 2,704,957.  
Mietzsch, Fritz: *See*—  
Behnisch, Robert, Mietzsch, and Schmidt. 2,719,161.  
Miffin, Leo, to Collins Radio Co. 2,728,235, Cl. 74—10.85.  
Miffin, Leo V.: *See*—  
Hodgin, David M., and Miffin. 2,717,364.  
Migny, Louis P., to l'Aluminium Français. 2,700,581, Cl. 308—238.  
Mihalyl, Joseph, to Eastman Kodak Co. 2,728,281, Cl. 95—31.  
Mihan, Eric P. 2,728,211, Cl. 67—4.1.  
Mihara, Kazuhiko: *See*—  
Munekata, Eiji, Imamoto, and Mihara. 2,707,670.  
Munekata, Eiji, and Mihara. 2,707,671.  
Mika, Henry S.: *See*—  
Merrill, Robert A., and Mika. 2,726,922.  
Mikelson, Walter: *See*—  
Dinger, Edward H., and Mikelson. 2,721,262.  
Mikeska, Louis A.: *See*—  
Arundale, Erving, and Mikeska. 2,721,223.  
Cohen, Charles A., and Mikeska. 2,716,662.  
Mikeska, Louis A., and A. J. Morway, to Esso Research and Engineering Co. 2,712,527, Cl. 252—41.  
Mikeska, Louis A., and C. A. Cohen, to Esso Research and Engineering Co. 2,716,088, Cl. 252—33.  
Mikeska, Louis A., and A. J. Morway, to Esso Research and Engineering Co. 2,719,124, Cl. 252—42.  
Mikles, Ellis L. 2,709,297, Cl. 30—59.  
Miklos, Alexander. 2,722,466, Cl. 308—88.  
Mikrovaerk A/S: *See*—  
Hansen, Asgar. 2,725,217.  
Hansen, Asgar. 2,725,815.  
Mikulas, William, to Conmar Products Corp. 2,705,356, Cl. 24—205.14.  
Milan, Emil P. 2,699,595, Cl. 29—98.  
Milano, Cesare A. 2,716,937, Cl. 99—306.  
Milazzo, Anthony. 2,711,895, Cl. 266—23.  
Milberger, Ernest C.: *See*—  
Hughes, Everett C., and Milberger. 2,711,393.  
Jones, Arthur L., and Milberger. 2,712,386.  
Veatch, Franklin, and Milberger. 2,711,394.  
Milbourne, Charles G., and W. E. Spengler, to Surface Combustion Corp. 2,711,419, Cl. 260—449.6.  
Milenkovic, Veljko, to Ditto, Inc. 2,721,515, Cl. 101—148.  
Miles, Charles B.: *See*—  
Robertson, James A., Miles, and Linton. 2,703,273.  
Miles, Edward E., to General Electric Co. 2,701,848, Cl. 313—109.  
Miles, Gilbert De W., to Colgate-Palmolive Co. 2,707,930, Cl. 116—114.  
Miles, John R., to M. S. Wolk. 2,716,918, Cl. 88—1.  
Miles Laboratories, Inc.: *See*—  
Faucher, Otis E., and Stauffer. 2,723,293.  
Miles, Patrick M. 2,700,513, Cl. 242—75.  
Miles, Ray D.: *See*—  
Selzler, Edwin M., and Miles. 2,710,520.  
Miles, Roscoe C., to General Electric Co. 2,724,753, Cl. 200—138.  
Miles, Wayne C. 2,708,345, Cl. 60—54.  
Miles, William H., to Strachan & Henshaw, Ltd. 2,711,935, Cl. 308—62.  
Miles, William S., to Johns-Manville Corp. 2,704,864, Cl. 20—4.  
Milford-Astor Ltd.: *See*—  
Image, William E. 2,723,619.  
Militano, Vincent, to The Finkel Umbrella Frame Co., Inc. 2,721,569, Cl. 135—20.  
Miljam Instrument Corp.: *See*—  
Cohen, Milton J. 2,708,438.  
Milks, Howard. 2,711,459, Cl. 200—140.  
Mill Engineering & Supply Co.: *See*—  
Winquist, Carl V. 2,723,689.  
Millar, John, Jr.: *See*—  
Fritz, William L., and Millar. 2,710,117.  
Millar, Norval P., and S. C. Hoare, to General Electric Co. 2,704,827, Cl. 324—147.  
Millar, Ronald L., to The Glidden Co. 2,724,704, Cl. 260—22.  
Millar, William N. 2,703,163, Cl. 192—105.  
Millard, William J., Jr.: *See*—  
Blaustein, Paul H., Wald, and Millard. 2,712,976.  
Millat, Alfred E.: *See*—  
Cincel, Walter H. 2,708,844.  
Millat, David B.: *See*—  
Cincel, Walter H. 2,708,844.  
Millen, James. 2,728,901, Cl. 340—5.  
Millen, Theodore I. 2,712,244, Cl. 74—334.  
Millendorf, Alfred J.: *See*—  
Naragon, Ernest A., Millendorf, and Vergilio. 2,699,453.  
Miller, Adam C., deceased, by M. E. Miller, administratrix, to M. E. Miller, C. H. May, and G. V. Miller. 2,699,268, Cl. 214—501.  
Miller, Albert A. 2,698,949, Cl. 9—34.  
Miller, Albert A., to M. and W. Patents Ltd. 2,701,974, Cl. 74—751.  
Miller, Albert A., to Self-Changing Gear Co. Ltd. 2,715,455, Cl. 192—85.  
Miller, Albert A., to Self-Changing Gear Co. Ltd. 2,721,639, Cl. 192—54.  
Miller, Albert J., and H. C. Thompson, to E. I. du Pont de Nemours and Co. 2,723,857, Cl. 273—134.  
Miller, Alfred B., to Westinghouse Air Brake Co. 2,719,218, Cl. 246—130.  
Miller, Alfred L., to Celanese Corp. of America. 2,717,883, Cl. 260—32.4.  
Miller, August A. 2,701,707, Cl. 254—131.  
Miller, Bryce H. 2,700,331, Cl. 98—116.  
Miller, Burton F., to the United States of America as represented by the United States Atomic Energy Commission. 2,714,666, Cl. 250—41.9.  
Miller, Carl F., to Westinghouse Electric Corp. 2,727,176, Cl. 313—256.  
Miller, Carl S.: *See*—  
Clark, Bryce L., and Miller. 2,710,263.  
Miller, Carlton W.: *See*—  
Nettleton, Leroy A., and Miller. 2,710,723.  
Miller, Charles: *See*—  
Landesmann, Emile, and Miller. 2,709,355.  
Romanelli, Pat, and Miller. 2,702,201.  
Miller, Charles, and P. Romanelli, to Ram Domestic Products Co. 2,715,512, Cl. 251—148.  
Miller, Charles A.: *See*—  
Ashby, Carl T., and Miller. 2,715,818.  
Ashby, Carl T., and Miller. 2,715,819.  
Miller, Charles B.: *See*—  
Bandes, Selwyn, and Miller. 2,709,688.  
Litant, Irving, and Miller. 2,723,296.  
Litant, Irving, and Miller. 2,723,297.  
Miller, Charles C.: *See*—  
Bishop, Oren, and Miller. 2,702,166.  
Miller, Charles E., to Leeds and Northrup Co. 2,704,822, Cl. 323—66.  
Miller, Charles R. 2,702,057, Cl. 143—32.  
Miller, Chester W.: *See*—  
Blatz, William J., Belt, and Miller. 2,725,203.  
Miller, Christian, to Edwards Co., Inc. 2,703,830, Cl. 200—51.1.  
Miller, Clarence W.: *See*—  
Dettmering, Norman F., and Miller. 2,712,903.



- Miller, Clark O.: *See*—  
 Craig, Willis G., and Miller. 2,727,067.
- Miller, Clark O., to Cleveland Industrial Research, Inc. 2,700,004, Cl. 134—13.
- Miller, Clark O., to Cleveland Industrial Research, Inc. 2,720,472, Cl. 134—13.
- Miller, Daniel B., to Miller Electric Co. 2,703,359, C. 240—10.
- Miller, Daniel E., to Kelite Products, Inc. 2,715,059, Cl. 23—106.
- Miller, Delmer E. 2,715,938, Cl. 155—121.
- Miller, Donald B., and L. E. Nichols. 2,705,613, Cl. 255—20.
- Miller, Donald C. 2,703,717, Cl. 280—32.6.
- Miller, Dwight L., to Sharples Chemicals Inc. 2,707,171, Cl. 210—2.
- Miller, Earl, and E. J. 2,724,207, Cl. 43—53.5.
- Miller, Earl E. 2,723,403, Cl. 7—14.1.
- Miller, Earl J.: *See*—  
 Miller, Earl, and E. J. 2,724,207.
- Miller, Earle C., to Riley Stoker Corp. 2,718,881, Cl. 122—104.
- Miller, Edward G., deceased; J. A. Miller, administratrix, to J. A. Miller. 2,725,201, Cl. 242—84.5.
- Miller, Edward M., to The C. L. Gougler Machine Co. 2,712,956, Cl. 292—167.
- Miller, Edward T. 2,700,875, Cl. 61—53.
- Miller, Edward W., to The Fellows Gear Shaper Co. 2,711,673, Cl. 90—4.
- Miller, Edwin G. 2,713,407, Cl. 192—129.
- Miller, Edwin J., and R. S. Gaugler, to General Motors Corp. 2,709,228, Cl. 310—40.
- Miller Electric Co.: *See*—  
 Goodwin, George R. 2,711,522.  
 Goodwin, George R. 2,722,317.  
 Miller, Daniel B. 2,703,359.
- Miller, Elmer: *See*—  
 Folkins, Hillis O., Miller, and Hennig. 2,709,639.
- Miller, Elmer C., to Phillips Petroleum Co. 2,703,844, Cl. 250—43.5.
- Miller, Elmer L.: *See*—  
 Folkins, Hillis O., and Miller. 2,708,154.
- Miller, Emery P.: *See*—  
 Ransburg, Edwin M., and Miller. 2,706,964.
- Miller, Emery P., to Ransburg Electro-Coating Corp. 2,718,477, Cl. 117—93.
- Miller, Ernest B.: *See*—  
 Ringo, Dan, Miller, and Bush. 2,706,532.
- Miller, Eugene J. 2,709,514, Cl. 198—121.
- Miller, Eugene P., to Armco Steel Corp. 2,703,846, Cl. 290—17.
- Miller, Everett L.: *See*—  
 Cox, Glenn H., and Smith. 2,709,029.
- Miller, Floyd F.: *See*—  
 Gilbert, Harry, and Miller. 2,716,104.  
 Gilbert, Harry, and Miller. 2,716,105.  
 Gilbert, Harry, and Miller. 2,716,106.
- Miller, Ford S. 2,705,629, Cl. 266—23.
- Miller, Fred E.: *See*—  
 Knox, Richard M., and Miller. 2,718,414.
- Miller, Frederick B., deceased; M. W. Miller, executrix. 2,721,066, Cl. 262—9.
- Miller, Frederick J. L.: *See*—  
 Robinson, Joseph N., Miller, and McDonnell. 2,715,563.
- Miller, George V.: *See*—  
 Miller, Adam C. 2,699,268.
- Miller, George W., to Goodman Mfg. Co. 2,725,115, Cl. 183—43.
- Miller, Gladys D.: *See*—  
 Harkenrider, Robert J. 2,708,611.
- Miller, Glenn H.: *See*—  
 Krumhansl, James A., and Miller. 2,721,899.
- Miller, Gordon H., to The Texas Co. 2,710,541, Cl. 73—304.
- Miller, Grace R.: *See*—  
 Miller, Walter J. 2,725,988.
- Miller, Gustave. 2,698,496, Cl. 46—90.
- Miller, Gustave. 2,720,045, Cl. 40—64.
- Miller, Gustave W. 2,700,925, Cl. 97—212.
- Miller, Harry, to Archer-Daniels-Midland Co. 2,700,533, Cl. 257—211.
- Miller, Harry B., to M. L. Grant. 2,708,443, Cl. 133—5.
- Miller, Harry B., to M. L. Grant. 2,720,209, Cl. 133—8.
- Miller, Harry B., to M. L. Grant. 2,723,081, Cl. 235—131.
- Miller, Harry B., to M. L. Grant. 2,723,825, Cl. 248—358.
- Miller, Henry C., to E. I. du Pont de Nemours and Co. 2,708,639, Cl. 106—285.
- Miller, Herbert C., Jr., to Hercules Powder Co. 2,715,124, Cl. 260—232.
- Miller, Henry C. L., to The Hoff Co., Inc. 2,701,536, Cl. 110—8.
- Miller, Herman, Furniture Co.: *See*—  
 Eames, Charles. 2,708,476.
- Miller, Homer W. 2,712,487, Cl. 312—206.
- Miller, Horace G., and J. Stillman, to International Telephone and Telegraph Corp. 2,699,504, Cl. 250—40.
- Miller, Howard L.: *See*—  
 Lafferty, John W., and Miller. 2,709,330.
- Miller, Howard O. 2,725,619, Cl. 29—288.
- Miller, Howard W.: *See*—  
 Witt, George, H. W. and L. A. Miller. 2,715,399.
- Miller, Jack M.: *See*—  
 Long, Marshall, Miller, and Rapp. 2,708,287.
- Miller, James F., to the United States of America as represented by the Secretary of the Army. 2,714,453, Cl. 209—142.
- Miller, James S. 2,720,025, Cl. 32—11.
- Miller, James S. 2,720,026, Cl. 32—32.
- Miller, Johanna A.: *See*—  
 Miller, Edward G. 2,725,201.
- Miller, John A. 2,718,379, Cl. 255—4.4.
- Miller, John C., to The AP Parts Corp. 2,702,250, Cl. 106—189.
- Miller, John E.: *See*—  
 Edwards, Howard C. 2,722,372.
- Miller, John H., to Weston Electrical Instrument Corp. 2,712,127, Cl. 340—177.
- Miller, John M.: *See*—  
 Kirchner, Justus G., and Miller. 2,712,008.
- Miller, John M., and J. G. Kirchner, to the United States of America as represented by the Secretary of Agriculture. 2,723,756, Cl. 210—42.5.
- Miller, John V. 2,706,849, Cl. 29—252.
- Miller, John W., to F. P. Rosback Co. 2,703,541, Cl. 112—21.
- Miller, John W., to F. P. Rosback Co. 2,712,648, Cl. 1—7.
- Miller, John W., and J. A. Kitzinger, to Oldberg Mfg. Co. 2,703,062, Cl. 113—34.
- Miller, Joseph A., to American Seating Co. 2,706,603, Cl. 242—107.
- Miller, Joseph J. 2,707,855, Cl. 51—166.
- Miller, Joseph L. 2,706,245, Cl. 250—20.
- Miller, Joseph M.: *See*—  
 Arkis, Jerome W., and Miller. 2,726,942.
- Miller, Julius. 2,715,036, Cl. 292—169.
- Miller, Kenneth F., and G. Delaney; said Miller assor. to said Delaney. 2,712,176, Cl. 30—4.
- Miller, Kenneth T. 2,704,000, Cl. 81—9.5.
- Miller, Kenneth T. 2,721,383, Cl. 30—91.
- Miller, L. S.: *See*—  
 Falcione, Louis. 2,709,296.
- Miller, Leo A.: *See*—  
 Dunn, James H., Hall, Miller, and Neher. 2,706,172.
- Miller, Leonidas C. 2,699,756, Cl. 121—38.
- Miller, Leonidas C. 2,709,446, Cl. 137—270.
- Miller, Lester M., to General Motors Corp. 2,709,215, Cl. 219—43.
- Miller, Levi A. 2,721,537, Cl. 119—53.
- Miller, Lonnie T. 2,724,206, Cl. 43—43.1.
- Miller, Louis A. 2,706,865, Cl. 40—2.
- Miller, Louis L., to United States Steel Corp. 2,710,778, Cl. 308—76.
- Miller, Louis P., and T. Foulk, to Sanson Hosiery Mills, Inc. 2,712,744, Cl. 66—178.
- Miller, Lyle A.: *See*—  
 Witt, George, H. W. and L. A. Miller. 2,715,399.
- Miller, M. E.: *See*—  
 Norfleet, Charles M. 2,724,917.
- Miller, Malcolm T., to Sloan Valve Co. 2,710,736, Cl. 251—51.
- Miller Mfg. Co.: *See*—  
 Hare, Terence G. 2,710,164.
- Miller, Mary W.: *See*—  
 Miller, Frederick B. 2,721,066.
- Miller, Melvin G., and F. G. Yates. 2,711,927, Cl. 299—73.
- Miller, Merlin J.: *See*—  
 Bakke, Laurence D., and Miller. 2,705,481.
- Miller, Mike A., to Aluminum Co. of America. 2,723,448, Cl. 29—494.
- Miller, Mike A., to Aluminum Co. of America. 2,723,449, Cl. 29—494.
- Miller, Myrtle E.: *See*—  
 Miller, Adam C. 2,699,268.
- Miller, Oscar. 2,712,404, Cl. 224—25.
- Miller, Oscar L. 2,713,230, Cl. 46—42.
- Miller, Otto H., to General Dynamics Corp. 2,726,637, Cl. 120—22.
- Miller, Paul G.: *See*—  
 Lushbough, Channing H., and Miller. 2,726,959.
- Miller, Paul V., to The Taft-Peirce Mfg. Co. 2,704,917, Cl. 51—232.
- Miller, Philip H., to Crosby Steam Gage and Valve Co. 2,727,386, Cl. 73—102.
- Miller Printing Machinery Co.: *See*—  
 Gegenheimer, Harold W. 2,708,405.  
 Gegenheimer, Harold W. 2,712,935.
- Miller Protecto Products: *See*—  
 Kebel, Arthur P. 2,714,529.
- Miller, Pryor L. 2,714,903, Cl. 143—6.
- Miller, Ralph, to The Chemical Foundation, Inc. 2,714,550, Cl. 23—219.
- Miller, Ralph, to The Chemical Foundation, Inc. 2,726,140, Cl. 23—87.
- Miller, Ralph, to The Chemical Foundation, Inc. 2,728,634, Cl. 23—88.
- Miller, Ralph, to The Chemical Foundation, Inc. 2,728,635, Cl. 23—109.
- Miller, Ralph L., to Bell Telephone Laboratories, Inc. 2,705,742, Cl. 179—1.
- Miller, Raymond H.: *See*—  
 Matter, Roger E., and Miller. 2,715,165.
- Miller, Raymond J., to Ford Motor Co. 2,701,728, Cl. 280—150.
- Miller, Raymond J., to Ford Motor Co. 2,716,324, Cl. 56—306.
- Miller, Raymond L. 2,699,253, Cl. 209—104.
- Miller, Raymond V. 2,726,442, Cl. 30—34.
- Miller, Raymond V. 2,726,443, Cl. 30—34.
- Miller, Reuben L. 2,705,990, Cl. 150—52.
- Miller, Robert A.: *See*—  
 Olson, Henry L., and Miller. 2,706,523.  
 Olson, Henry L., and Miller. 2,708,870.
- Miller, Robert E., to Monsanto Chemical Co. 2,717,254, Cl. 260—332.3.



- Miller, Robert L. 2,703,204, Cl. 238—10.  
 Miller, Robert P., F. Mathewson, and G. H. Meinzer; said Miller and said Mathewson assors. to said Meinzer. 2,714,961, Cl. 209—103.  
 Miller, Roland: *See*—  
   Marvin, Stanley, and Miller. 2,700,236.  
 Miller, Rowland L.: *See*—  
   Goeppinger, Max L., and Miller. 2,724,021.  
 Miller, Samuel. 2,700,249, Cl. 46—175.  
 Miller, Samuel W., and J. W. McElgin, to John J. Nesbitt, Inc. 2,727,455, Cl. 98—38.  
 Miller, Sidney E., and S. M. Terry, to American Bosch Arma Corp. 2,705,812, Cl. 15—253.  
 Miller Stamping Co.: *See*—  
   Schumacher, William W. 2,708,606.  
 Miller, Stanley L., to The Wright Line, Inc. 2,721,662, Cl. 211—71.  
 Miller, Stephen J. 2,699,241, Cl. 192—131.  
 Miller, Stewart E., to Bell Telephone Laboratories, Inc. 2,701,340, Cl. 333—10.  
 Miller, Sylvia: *See*—  
   Merlin, Murray, and Miller. 2,713,174.  
 Miller, Theadore: *See*—  
   Altar, William, and Miller. 2,707,269.  
 Miller, Theadore, and K. N. Fromm, to Westinghouse Electric Corp. 2,727,184, Cl. 315—12.  
 Miller, Theodore H. 2,720,899, Cl. 144—309.  
 Miller, Thomas A. 2,711,097, Cl. 72—128.  
 Miller, Verle A.: *See*—  
   Bebb, Robert L., Musch, Willis, and Miller. 2,702,285.  
 Miller, Victor V. 2,711,610, Cl. 43—56.  
 Miller, Virginia S.: *See*—  
   Reiner, Laszlo, and Miller. 2,724,721.  
 Miller, Wallace W. 2,722,724, Cl. 20—64.  
 Miller, Walter, to G. S. Turner, Jr. 2,709,095, Cl. 286—6.  
 Miller, Walter F. 2,706,430, Cl. 88—49.  
 Miller, Walter G.: *See*—  
   Loveley, Joseph D., Brugler, and Miller. 2,717,508.  
 Miller, Walter J., deceased, G. R. Miller, administratrix, 50% to F. Z. Stewart. 2,725,988, Cl. 291—25.  
 Miller, Walter W., to United Specialties Co. 2,715,661, Cl. 200—11.  
 Miller, Wayland R.: *See*—  
   Harris, John L., and Miller. 2,717,455.  
 Miller, Wendell E., to The Cessna Aircraft Co. 2,724,368, Cl. 121—38.  
 Miller, Wesley G., to Hays Mfg. Co. 2,719,889, Cl. 200—81.9.  
 Miller, Willard E. 2,704,795, Cl. 200—117.  
 Miller, William A. 2,710,166, Cl. 254—11.  
 Miller, William B.: *See*—  
   Lynch, Addison H., and Miller. 2,711,559.  
 Miller, William F.: *See*—  
   Gardner, John R., and Miller. 2,713,433.  
 Miller, William J.: *See*—  
   Heinl, Joseph L., and Miller. 2,721,684.  
 Miller, William J., H. D. Squire, and B. W. Felder, to Admiral Corp. 2,701,541, Cl. 116—124.  
 Miller, William S., and J. S. Schofield, to The Calico Printers Association Ltd. 2,711,971, Cl. 117—11.  
 Miller, William T. 2,700,661, Cl. 260—87.5.  
 Miller, William T. 2,712,554, Cl. 260—544.  
 Miller, William T. 2,712,555, Cl. 260—544.  
 Miller, William T. 2,716,141, Cl. 260—653.  
 Miller, William T., and A. D. Kirshenbaum, to the United States of America as represented by the United States Atomic Energy Commission. 2,711,972, Cl. 117—62.  
 Miller, William W.: *See*—  
   Dalley, Henry A. 2,702,514.  
 Miller Wrapping & Sealing Machine Co.: *See*—  
   Arvidson, Bengt A. 2,720,994.  
   Corley, Mark H., Arvidson, and Barber. 2,707,046.  
   Corley, Mark H., and Barber. 2,722,093.  
 Millgård, Bror M.: *See*—  
   Sten, Karl E., and Millgård. 2,718,958.  
 Millgård, Bror M. 2,705,915, Cl. 100—95.  
 Millidge, Alfred F.: *See*—  
   Gasson, Edward J., Wild, Robson, and Millidge. 2,704,774.  
 Millie, Orrin, to Genarco, Inc. 2,704,817, Cl. 314—20.  
 Milligan, Thomas J., to E. I. du Pont de Nemours and Co. 2,714,940, Cl. 183—115.  
 Milligan, William B., D. J. Pompeo, and F. B. Rolfsen, to Shell Development Co. 2,722,826, Cl. 73—53.  
 Milligan, William C. 2,700,122, Cl. 315—342.  
 Milligan, Winfred O.: *See*—  
   Macke, Robert A., and Milligan. 2,728,709.  
 Millikan, Allen F., to The Pure Oil Co. 2,724,681, Cl. 196—1.  
 Millikan, Clifford V. 2,709,897, Cl. 62—3.  
 Milliken, Thomas H., Jr.: *See*—  
   Oblad, Alex G., Milliken, and Heinemann. 2,700,013.  
   Oblad, Alex G., and Milliken, Jr. 2,723,947.  
 Milliken, Thomas H., Jr., and H. A. Shabaker, to Houdry Process Corp. 2,699,249, Cl. 198—84.  
 Millington, Agnes G.: *See*—  
   Knaus, Nicholas, and Millington. Re. 24,005.  
 Millman, Clinton. 2,715,318, Cl. 62—4.  
 Millman, Jacob, to the United States of America as represented by the Secretary of the Navy. 2,725,553, Cl. 343—6.5.  
 Millman, Samuel. 2,717,595, Cl. 128—84.  
 Mills, Terence W., to Rotax Ltd. 2,705,398, Cl. 60—39.47.  
 Mills, Aubrey R., to Die Casting Machine Tools Ltd. 2,706,067, Cl. 222—79.  
 Mills, Burton L., and G. L. Turner, to Clark Equipment Co. 2,711,341, Cl. 296—28.  
 Mills, Clarence B. 2,725,729, Cl. 62—139.  
 Mills, Clarence B. 2,728,195, Cl. 60—54.6.  
 Mills, Edward K., Jr. 2,707,084, Cl. 244—49.  
 Mills, Edward L., and D. A. Donahue, to Buchanan Steel Products Corp. 2,719,353, Cl. 29—148.3.  
 Mills, George A.: *See*—  
   Oblad, Alex G., and Mills. 2,704,740.  
 Mills, Herbert E., to Mills Products, Inc. 2,710,994, Cl. 20—56.5.  
 Mills, Hiram L. 2,701,635, Cl. 206—73.  
 Mills, Howard W., and A. A. Schilling, to Remington Arms Co., Inc. 2,728,260, Cl. 86—19.  
 Mills Industries, Inc.: *See*—  
   Yuza, Rudolph A. 2,723,052.  
 Mills, Ivor W., to Sun Oil Co. 2,723,289, Cl. 260—514.  
 Mills, James, Ltd., Executors of: *See*—  
   Hurrell, Guy C. 2,718,280.  
 Mills, John A., to Taylor, Taylor & Hobson Ltd. 2,720,817, Cl. 88—57.  
 Mills, John K., and W. S. Ross, to Bell Telephone Laboratories, Inc. 2,706,258, Cl. 307—132.  
 Mills, Joseph A. W., H. A. Drew, and A. D. Chesmer, to Dowty Seals Ltd. 2,724,865, Cl. 18—42.  
 Mills, Justin W., to Purolator Products, Inc. 2,711,253, Cl. 210—169.  
 Mills, Lurline M., and E. F. Taylor. 2,713,112, Cl. 219—43.  
 Mills Products, Inc.: *See*—  
   Mills, Herbert E. 2,710,994.  
 Mills, Robert L., and F. J. McDonald, to Socony Mobil Oil Co., Inc. 2,722,605, Cl. 250—27.  
 Mills, Victor, H. B. Stromberg, and C. B. Kemp, to The Procter & Gamble Co. 2,712,529, Cl. 252—138.  
 Millson, Henry E.: *See*—  
   Mooradian, Shannon, and Millson. 2,723,178.  
 Millstein, J. H., Co.: *See*—  
   Poglein, Leslie J. 2,714,654.  
 Milmore, Hugh. 2,713,756, Cl. 51—102.  
 Milmore, Oswald H., to Shell Development Co. 2,711,307, Cl. 261—108.  
 Milne, David T.: *See*—  
   Bauling, Adrianus L., and Milne. 2,711,407.  
 Milne, Kenneth: *See*—  
   Craick, William, Milne, and Taylor. 2,700,138.  
 Milner, Ernest: *See*—  
   Johnson, Francis M., and Milner. 2,708,339.  
 Milner, Harry C., and S. W. Newman. 2,698,608, Cl. 121—164.  
 Miloché, Herman A., to Bell Telephone Laboratories, Inc. 2,715,922, Cl. 140—71.  
 Milone, Louis J., to The Eagle-Picher Co. 2,725,960, Cl. 189—46.  
 Milprint, Inc.: *See*—  
   Thompson, Walter S. 2,719,323.  
 Milton, John, Jr.: *See*—  
   McAvoy, Frank E. 2,709,592.  
 Milwaukee Electric Transmitter, Inc.: *See*—  
   Strahota, Clarence L., and Van Domlen. 2,702,106.  
 Milwaukee Gas Specialty Co.: *See*—  
   Arvin, Martin J. 2,702,828.  
   Hilgert, Adolph J. 2,719,201.  
   Hilgert, Adolph J. 2,724,030.  
   Hilgert, Adolph J., and Matthews. 2,717,123.  
   Holmes, Gifford I. 2,719,199.  
   Marvin, Philip R. 2,718,918.  
   Marvin, Philip R. 2,719,200.  
   Matthews, Russell B. 2,717,381.  
   Thornbery, John H. 2,705,532.  
   Thornbery, John H. 2,717,290.  
   Thornbery, John H. 2,728,386.  
   Witzel, Ernst. 2,699,821.  
   Wolff, John A. 2,719,202.  
 Milwaukee Precision Grinding Corp.: *See*—  
   King, Don R. 2,706,858.  
 Milwhite Co., Inc.: *See*—  
   Dawson, Lester R. 2,702,788.  
 Mims, Ivan C., to Mergenthaler Linotype Co. 2,721,648, Cl. 199—26.  
 Mims, Samuel S., 1/3 to L. M. Boykin. Re. 23,953, Cl. 128—303.1.  
 Mina, Francis A.: *See*—  
   Coopridge, Rex C., and Mina. 2,702,957.  
 Minchom, Raphael I. 2,722,636, Cl. 317—203.  
 Mine Safety Appliances Co.: *See*—  
   Becker, Earl M. 2,724,463.  
   Becker, Earl M., and Bridge. 2,713,630.  
   Hamilton, William C., and Bub. 2,710,003.  
   McConnaughey, Paul W. 2,728,639.  
 Miner, Carl S.: *See*—  
   Cranston, Hoy A. 2,717,211.  
 Miner, Charles H., to Miner Pulley & Transmission Co. 2,699,071, Cl. 74—230.17.  
 Miner, Charles H. 2,711,103, Cl. 74—230.17.  
 Miner, Charles M., and L. I. South. 2,722,763, Cl. 43—17.  
 Miner, Howard W., to Fairbanks, Morse & Co. 2,702,418, Cl. 22—13.  
 Miner, John D., Jr., to Westinghouse Electric Corp. 2,719,259, Cl. 322—25.  
 Miner Pulley & Transmission Co.: *See*—  
   Miner, Charles H. 2,699,071.  
 Miner, Raymond F. 2,711,611, Cl. 43—57.5.  
 Miner, Raymond F. 2,718,086, Cl. 43—42.06.  
 Miner, Robert G.: *See*—  
   Ringquist, Clarence L., and Miner. 2,702,456.  
 Miner, Ruth M. 2,721,763, Cl. 299—86.



- Miner, Samuel S., to United States Rubber Co. 2,706,108, Cl. 259—8.
- Miner, Samuel S., and E. H. Clark, to United States Rubber Co. 2,725,091, Cl. 154—42.
- Miner, W. H., Inc.: *See—*
- Dath, George E. 2,712,288.
  - Dentler, Arnold E. 2,720,320.
  - Dentler, Arnold E. 2,723,114.
  - Forssell, Eric G. 2,705,077.
  - Forssell, Eric G. 2,710,749.
  - Forssell, Eric G. 2,716,496.
  - Forssell, Eric G. 2,727,472.
  - Mulcahy, Harry W. 2,700,477.
  - Mulcahy, Harry W. 2,715,967.
  - Olander, Roland J. 2,715,877.
  - Tillou, Richard G. 2,713,483.
  - Tillou, Richard G. 2,713,485.
  - Withall, William E. 2,704,039.
  - Withall, William E. 2,726,080.
- Minerals & Chemicals Corp. of America: *See—*
- Asdell, Bernard K. 2,726,813.
  - Duke, James B. 2,706,559.
  - Duke, James B., and Breathitt. 2,701,640.
  - Houston, Wesley M., and Breathitt. 2,706,557.
  - Houston, Wesley M., and Breathitt. 2,706,558.
- Miners, Kenneth A.: *See—*
- Hartwick, Elbert F., Miners, and Phillips. 2,698,777.
- Mines, Chester E., to General Motors Corp. 2,720,079, Cl. 60—39,32.
- Minet, Ronald G., to United Engineers & Constructors Inc. 2,723,951, Cl. 202—9.
- Mingarelli, Orlando. 2,704,175, Cl. 223—15.
- Mingus, Edgar C.,  $\frac{1}{2}$  to R. H. Neitzel. 2,701,892, Cl. 15—387.
- Mining Engineering Co. Ltd., The: *See—*
- Duncan, Angus W. Re. 24,052.
  - Nyborg, Tage G. 2,705,473.
- Mining Process and Patent Co.: *See—*
- Daman, Arthur C. 2,713,477.
  - Gisler, Henry J., and Jelks. 2,723,032.
- Minister of National Defence of Canada, The: *See—*
- Ambrose, Edwin R. 2,710,652.
- Minister of Supply in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland: *See—*
- Coates, Harold, Hunter, and Topley. 2,712,546.
  - Tuck, James L. 2,703,366.
  - Williams, Frederic C. 2,704,809.
- Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland: *See—*
- Fletcher, Alexander S., Savill, and Perkins. 2,713,466.
  - Grayson, Harry, Brown, and Barker. 2,714,205.
- Ministerio da Aeronautica, Diretoria do Material: *See—*
- Focke, Heinrich C. J. 2,702,084.
  - Focke, Heinrich C. J. 2,702,172.
- Mink-Dayton, Inc.: *See—*
- Materese, Vincent, and Tangeman. 2,725,725.
- Minkoff, Jouval, to Plastic Loose Leaf, Inc. Re. 23,967, Cl. 129—24.
- Minneapolis-Honeywell Regulator Co.: *See—*
- Alberts, Lawrence E. Re. 24,010.
  - Ander, Eric B. 2,699,317.
  - Bancroft, John W. 2,703,982.
  - Bancroft, John W. 2,718,146.
  - Bearinger, Van W. 2,713,150.
  - Bishofberger, Carl J. 2,720,255.
  - Bishofberger, Carl J., and Allen. 2,704,819.
  - Bonnell, Charles R. 2,710,941.
  - Booth, John G. 2,701,577.
  - Bulleyment, Keith J. 2,706,289.
  - Chapman, Robert R. 2,701,866.
  - Chudyk, Alex B. 2,724,236.
  - Coffey, Charles D. 2,724,409.
  - Crum, Stephen. 2,708,477.
  - Divette, Randolph E. 2,702,482.
  - Drow, Donald F. 2,715,437.
  - Drow, Donald F. 2,724,972.
  - Du Bois, Robert C. 2,718,878.
  - Ehret, Robert J. 2,716,686.
  - Exner, Frank M. 2,721,276.
  - Fox, John H. 2,704,547.
  - Gess, Louis. 2,701,857.
  - Gess, Louis. 2,706,084.
  - Gille, Willis H., and Kutzler. 2,710,730.
  - Grogan, Edward C. 2,712,321.
  - Haney, Richard G., and McKnight. 2,723,682.
  - Hanson, Henry L. 2,720,618.
  - Haraden, George A. 2,703,869.
  - Higgins, Stephen P., Jr. 2,701,576.
  - Higgins, Stephen P., Jr., and Drinker. 2,724,398.
  - High, Vernon L. 2,715,169.
  - Irwin, Russel D. 2,699,095.
  - Jenkins, George F. 2,719,672.
  - Keim, Jonathan R., and Arrott. 2,701,270.
  - Kluge, Robert D., and Breer. 2,703,516.
  - Koch, Alfred R. 2,705,297.
  - Kronmiller, Carl G. 2,702,844.
  - Kuntny, Gregor W. 2,701,479.
  - Kutzler, Robert J. 2,698,723.
  - Kwasniewski, George A. 2,704,799.
  - Laing, Marvin R. 2,717,938.
  - Meyers, Robert D. 2,699,523.
  - Michel, Raymond E. 2,706,886.
  - Mouzon, James C. 2,724,040.
  - Olin, Robert L. 2,721,967.
- Minneapolis-Honeywell Regulator Co.: *See—Continued.*
- Pashby, Robert W. 2,708,371.
  - Peters, Max D. 2,702,481.
  - Power, William A. 2,720,620.
  - Readeker, Robert M. 2,701,475.
  - Roetter, Robert P. 2,724,555.
  - Ross, Wayne M. 2,728,899.
  - Ross, Wayne M. 2,728,900.
  - Rubland, Roman C. 2,724,631.
  - Rubland, Roman C. 2,728,042.
  - Rusler, George W. 2,727,999.
  - Rusler, George W., Jr. 2,724,795.
  - Schaberg, Johannes G. 2,712,757.
  - Schoepfel, John F. 2,715,709.
  - Schuck, Oscar H. 2,701,111.
  - Schuck, Oscar H. 2,715,703.
  - Schuck, Oscar H., and Alderson. 2,723,089.
  - Sederstrom, Dexter C. 2,699,537.
  - Smith, James W. 2,715,939.
  - Smith, James W. 2,727,568.
  - Sogge, Melvin G. 2,699,477.
  - Sogge, Melvin G. 2,719,531.
  - Stokes, Konrad H. 2,704,937.
  - Stone, Wayne A. 2,710,156.
  - Strother, Fred P. 2,707,085.
  - Wannamaker, William H., Jr. 2,707,880.
  - Ward, Carl D. 2,720,254.
  - Wild, Rudolf F. 2,717,359.
  - Wilson, Theodore J. 2,727,992.
- Minneapolis-Moline Co.: *See—*
- Hedtke, Robert G. 2,727,457.
  - Knapp, William E., and Arnold. 2,707,906.
  - Simpson, William F. 2,702,501.
  - Simpson, William F., and Blackman. 2,723,163.
  - Wuertz, Paul P. 2,712,787.
- Minnesota Electronics Corp., The: *See—*
- Goodell, John D., and Lode. 2,704,842.
  - Goodell, John D., and Lode. 2,723,316.
- Minnesota Mining & Mfg. Co.: *See—*
- Abere, Joseph F., Schmelzle, and Murray. 2,725,981.
  - Beck, Warren R., and Taylor. 2,726,161.
  - Brice, Thomas J., Pearson, and Scholberg. 2,713,593.
  - Clark, Bryce L., and Miller. 2,710,263.
  - Davis, Donald W. 2,725,142.
  - Erickson, John D. 2,725,783.
  - Hanson, Charles C. 2,720,262.
  - Holmen, Reynold E. 2,706,191.
  - Husted, Donald R. 2,727,923.
  - Jacobsen, Paul W. 2,715,861.
  - Jewett, Clifford L., and Case. 2,714,066.
  - Joesting, Edwin O., and Ethier. 2,708,192.
  - Keithly, Richard R. 2,703,772.
  - La Zerte, James D. 2,704,769.
  - La Zerte, James D., Pearson, and Kauck. 2,704,776.
  - Palmquist, Philip V., and Grove. 2,726,222.
  - Polster, John A., Aldrich, and Berlin. 2,708,076.
  - Randolph, Chalmers H. 2,706,368.
  - Reid, Thomas S. 2,706,733.
  - Rendall, John L., and Husted. 2,716,616.
  - Rendall, John L., and Husted. 2,721,807.
  - Scholberg, Harold M., and Bryce. 2,717,871.
  - Smith, George H. 2,701,814.
  - Taylor, Nelson W. 2,713,286.
  - Von Behren, Robert A. 2,711,901.
  - Willson, Gilbert G., Jr. 2,706,936.
- Minnesota and Ontario Paper Co.: *See—*
- McCormack, Foster D. 2,703,513.
  - Stevens, Gilbert. 2,717,213.
  - Zesbaugh, Lawrence G. 2,711,575.
- Minnesota Plastics Corp.: *See—*
- Galloway, Herbert R. 2,708,214.
- Minnich, Edward L., to Reeves-Hoffman Corp. 2,705,760, Cl. 310—9,4.
- Minnie, Raymond J., III. 2,716,832, Cl. 43—43,12.
- Minnis, Luther W. 2,703,691, Cl. 248—161.
- Minnium, Byron B., to Erie Resistor Corp. 2,714,239, Cl. 25—157.
- Minock, Robert M. 2,700,387, Cl. 128—303.
- Minogue, Curtis H., and W. F. Kottmeyer. 2,703,836, Cl. 240—2.
- Minor, J. C. 2,718,127, Cl. 62—141.
- Minshall, George T.: *See—*
- Anast, James L., and Minshall. 2,727,229.
- Minshall, Robert J., and J. Kanuch, to Borg-Warner Corp. 2,718,758, Cl. 60—53.
- Minsk, Louis M.: *See—*
- Godowsky, Leopold, and Minsk. 2,698,797.
- Minsk, Louis M., to Eastman Kodak Co. 2,725,372, Cl. 260—91,3.
- Minsk, Louis M., and W. O. Kenyon, to Eastman Kodak Co. 2,710,801, Cl. 95—6.
- Minster Machine Co., The: *See—*
- Sebring, John C., Jordan, and Bitler. 2,723,319.
  - Wissman, Reuben E. 2,728,288.
- Minteer, Robert D., and L. B. Leighton to The Grief Bros. Cooperation Corp. 2,719,662, Cl. 229—4,5.
- Minter, Jerry B., 2nd, to Measurements Corp. 2,700,704, Cl. 179—171.
- Minter, John R. 2,723,474, Cl. 40—16.
- Minto, Robert W., to the United States of America as represented by the Secretary of the Navy. 2,703,870, Cl. 339—94.
- Minton, Clarence W. 2,713,254, Cl. 66—145.
- Minturn, Herbert A. 2,716,046, Cl. 312—286.



- Mintz, Henry A. 2,715,239, Cl. 15—255.  
 Minute Maid Corp.: *See*—  
 Brent, Jewell A., Brown, and Roy. 2,724,652.  
 Mira zavody na pletene a stavkove zbozi, narodni podnik:  
*See*—  
 Svatý, Vladimír. 2,720,223.  
 Mirando, Michael A., to Imperial Knife Co., Inc. 2,698,480, Cl. 30—16.  
 Mirando, Michael A., to Imperial Knife Co., Inc. 2,705,832, Cl. 30—159.  
 Mirando, Michael A., to Imperial Knife Co., Inc. 2,711,019, Cl. 30—342.  
 Mirando, Michael A., to Imperial Knife Co., Inc. 2,728,159, Cl. 42—86.  
 Mirick, Melvin R., and L. L. Owens. 2,702,735, Cl. 346—14.  
 Miron, Walter F. 2,726,633, Cl. 118—504.  
 Mirviss, Stanley B.: *See*—  
 Banes, Fred W., and Mirviss. 2,728,742.  
 Mische, Friedrich W., to Voigtlander & Sohn Aktiengesellschaft. 2,704,969, Cl. 95—31.  
 Mische, Henry J., deceased, by M. E. Mische, administratrix, to B. H. Wiegiers. 2,702,983, Cl. 57—142.  
 Mische, Myrtle E.: *See*—  
 Mische, Henry J. 2,702,983.  
 Mischke, Edward M., to Marathon Corp. 2,713,812, Cl. 93—36.  
 Miselli, Afro. 2,727,434, Cl. 88—31.  
 Miserocchi, Henry F.: *See*—  
 Yanagisawa, Samuel T., and Miserocchi. 2,701,847.  
 Mishawaka Rubber and Woolen Mfg. Co.: *See*—  
 Doherty, Thomas H. 2,706,833.  
 Mistic, Donald M., to American Steel Foundries. 2,724,589, Cl. 267—58.  
 Mississippi River Fuel Corp.: *See*—  
 Williams, Virgil C. 2,713,780.  
 Williams, Virgil C. 2,713,781.  
 Missouri Automatic Control Corp.: *See*—  
 Allan, William J. 2,719,894.  
 Revelle, Benjamin F. 2,722,276.  
 Smith, Carl A. 2,719,533.  
 Turnbull, David O. 2,722,274.  
 Misto, Gen Equipment Co.: *See*—  
 Cameto, Leon R. 2,699,775.  
 Misuraca, Louis J. 2,711,664, Cl. 82—37.  
 Mitchel, Ralph H.: *See*—  
 Kernen, Kenneth C., Mitchel, and Schwyn. 2,711,520.  
 Kernen, Kenneth C., Mitchel, and Schwyn. 2,719,278.  
 Mitchel, Ralph H., and R. E. Schwyn, to General Motors Corp. 2,720,603, Cl. 310—97.  
 Mitchel, Ralph H., and R. E. Schwyn, to General Motors Corp. 2,720,604, Cl. 310—97.  
 Mitchel, Ralph H., and R. O. Helgeby, to General Motors Corp. 2,725,493, Cl. 310—97.  
 Mitchell-Tyler Co., The: *See*—  
 Porter, Harold M., and Reardon. 2,703,470.  
 Porter, Harold M., and Reardon. 2,722,785.  
 Mitchell, Alec B., to The English Electric Co. Ltd. 2,711,304, Cl. 253—69.  
 Mitchell, Alexander. 2,712,418, Cl. 241—202.  
 Mitchell Camera Corp.: *See*—  
 Evraets, Vernon J. 2,718,361.  
 Mitchell, George A. 2,704,488.  
 Mitchell, George A. 2,719,455.  
 Mitchell, Charles F. 2,708,578, Cl. 273—63.  
 Mitchell, Charles W., and S. S. Aidlin. 2,714,643, Cl. 200—138.  
 Mitchell, Colin C. 2,721,539, Cl. 121—1.  
 Mitchell, David C.: *See*—  
 Love, Phil P., and Mitchell. 2,704,234.  
 Mitchell, Donald H., to Mitchell Industries, Inc. 2,709,743, Cl. 219—26.  
 Mitchell, E. L.: *See*—  
 Smith, Emmer J. 2,718,857.  
 Mitchell, Frank C. 2,722,142, Cl. 76—52.  
 Mitchell, Frederick G. 2,721,521, Cl. 104—48.  
 Mitchell, George A., to Mitchell Camera Corp. 2,704,488, Cl. 88—18.4.  
 Mitchell, George A., to Mitchell Camera Corp. 2,719,455, Cl. 88—18.4.  
 Mitchell, George W., to Automatic Electric Laboratories, Inc. 2,717,926, Cl. 179—18.  
 Mitchell, Gerald A.: *See*—  
 Flowers, Alfred A., and Mitchell. 2,719,263.  
 Mitchell, Gerald A., to Western Electric Co., Inc. 2,706,764, Cl. 219—20.  
 Mitchell, Harold H. 2,705,748, Cl. 200—150.  
 Mitchell, Henry M., to General Electric Co. 2,701,441, Cl. 60—35.6.  
 Mitchell Industries, Inc.: *See*—  
 Mitchell, Donald H. 2,709,743.  
 Mitchell, Isaac A. 2,703,088, Cl. 131—10.  
 Mitchell, Jack C.: *See*—  
 Collar, Frank R., and Mitchell. 2,712,464.  
 Mitchell, James S., to The Borden Co. 2,712,533, Cl. 260—25.  
 Mitchell, James V., to Packaging Corp. of America. 2,723,075, Cl. 229—52.  
 Mitchell, John E., Co.: *See*—  
 Freeman, William P., Jr. 2,710,455.  
 Mitchell, Orville. 2,720,892.  
 Mitchell, Len B., to Automatic Electric Laboratories, Inc. 2,708,690, Cl. 179—8.5.  
 Mitchell Mfg. Co.: *See*—  
 Goebel, Herman L. 2,711,876.  
 Mitchell, Melville J.: *See*—  
 Johnson, Arnold E. W., and Mitchell. 2,700,233.  
 Mitchell, Orville, to John E. Mitchell Co. 2,720,892, Cl. 137—625.34.  
 Mitchell, Owen B. 2,719,984, Cl. 5—2.  
 Mitchell, Paul B. 2,719,548, Cl. 143—6.  
 Mitchell, Robert B., to The De Vilbiss Co. 2,708,095, Cl. 251—229.  
 Mitchell, Robert L., and O. V. Luke, to Celanese Corp. of America. 2,714,604, Cl. 260—451.  
 Mitchell, Roscoe A. 2,725,015, Cl. 103—260.  
 Mitchell, Seldon G., and A. C. McDonald, Jr., to Carolina Container Co. 2,713,961, Cl. 229—23.  
 Mitchell, Walter G., to Thor Power Tool Co. 2,716,475, Cl. 192—30.5.  
 Mitchell, Walter G., and F. A. Kaman, to Thor Power Tool Co. 2,727,598, Cl. 192—034.  
 Mitchell, William E. 2,718,685, Cl. 25—118.  
 Mitchell, William F., and J. A. Grant-MacKay, to The Pennsylvania Salt Mfg. Co. 2,702,233, Cl. 23—153.  
 Mitchell, William J.: *See*—  
 Roth, Donald W., and Mitchell. 2,712,351.  
 Mitchhart, Albert W., to Goodman Mfg. Co. Re. 24,093, Cl. 76—5.  
 Mitchler, Harry W.: *See*—  
 Schmaltz, Vincent B. 2,708,331.  
 Mithoff, Robert C., and D. E. Hull, to California Research Corp. 2,706,254, Cl. 250—43.5.  
 Mitnick, Albert M.: *See*—  
 Peterson, Carl R., and Mitnick. 2,723,095.  
 Mitsui Kagaku Kogyo Kabushiki Kaisha: *See*—  
 Tanaka, Manzo, Yamamoto, and Oku. 2,723,299.  
 Mittag, Albert H., to General Electric Co. 2,707,764, Cl. 318—331.  
 Mittelmann, Eugene, to United Biscuit Co. of America. 2,723,517, Cl. 53—154.  
 Mittermayer, Emerick: *See*—  
 Buda, Chester, and Mittermayer. 2,718,828.  
 Mittleman, Myron B. 2,704,094, Cl. 145—36.  
 Mittleman, Myron B. 2,713,802, Cl. 81—17.  
 Mittleman, Myron B. 2,722,218, Cl. 128—261.  
 Mitts and Merrill: *See*—  
 Ranous, Jack W.: 2,710,442.  
 Miura, John H., and J. Zemelka, to Massey-Harris-Ferguson Ltd. 2,705,893, Cl. 74—473.  
 Miura, John H., and J. Zemelka, to Massey-Harris-Ferguson Ltd. 2,726,551, Cl. 74—359.  
 Mix, Paul O. 2,703,584, Cl. 137—454.6.  
 Mixter, Leona M. 2,716,827, Cl. 41—12.  
 Mizrach, Jordan: *See*—  
 Mizrach, Murray, J., and Martin. 2,718,014.  
 Mizrach, Martin: *See*—  
 Mizrach, Murray, J., and Martin. 2,718,014.  
 Mizrach, Murray, J., and Martin. 2,718,014, Cl. 4—177.  
 Moberg, Ivar O., to Fieldcrest Mills, Inc. 2,704,557, Cl. 139—50.  
 Moberg, Sigurd M., to E. J. Brooks Co. 2,709,613, Cl. 292—325.  
 Mobil Oil Co., Inc.: *See*—  
 Hemphill, William B. 2,725,534.  
 Mobius, Erich H.: *See*—  
 Ferry, John T., Sterling, and Mobius. 2,704,024.  
 Mobley, Edwin H. F., deceased, by F. M. Mobley, administratrix, to Bloomer Bros. Co. 2,699,711, Cl. 93—37.  
 Mobley, Frances M.: *See*—  
 Mobley, Edwin H. F. 2,699,711.  
 Möbus, Karl. 2,711,941, Cl. 312—184.  
 Moecey, Walter G., to Philco Corp. 2,707,871, Cl. 62—99.  
 Mochel, Walter E., to E. I. du Pont de Nemours and Co. 2,728,668, Cl. 95—7.  
 Mock, Frank C., to Bendix Aviation Corp. 2,705,829, Cl. 29—157.1.  
 Mock, Frank C., and R. H. Peterson, to Bendix Aviation Corp. 2,704,516, Cl. 103—88.  
 Mock, James C. 2,706,772, Cl. 246—253.  
 Mock, Leon R.: *See*—  
 Welsh, Herbert F., Schreiner, Mock, and Eckert. 2,708,554.  
 Model Engineering & Mfg., Inc.: *See*—  
 Guest, Freeman M., and Manis. 2,727,126.  
 Model, Ernst: *See*—  
 Bindler, Jakob, and Model. 2,703,332.  
 Modern Controls Corp.: *See*—  
 Buysse, Richard L. 2,720,918.  
 Modern Displays: *See*—  
 Randall, Kenneth D. 2,704,409.  
 Modern Equipment Co.: *See*—  
 Gionet, Leo A. 2,713,481.  
 Gionet, Leo A. 2,721,073.  
 Schwengel, Harold W. 2,701,066.  
 Schwengel, Harold W. 2,704,610.  
 Modern Ladders, Inc.: *See*—  
 Ollerhead, Ronald H. 2,727,671.  
 Modern Materials Co.: *See*—  
 Anderson, Frederick T. 2,728,384.  
 Modern Plastic Machinery Corp.: *See*—  
 Tornberg, Henning T. 2,698,964.  
 Modern Products, Inc.: *See*—  
 Wilcox, Warren N. 2,703,558.  
 Modern Products Mfg. Corp.: *See*—  
 Von Duyke, Harrison M. 2,721,391.  
 Modern Railway Devices, Inc.: *See*—  
 Morris, John P. Re. 24,014.



- Modern Tool & Die Co.: *See*—  
Liljenberg, Harry A. 2,706,418.
- Modern Village Stores, Inc.: *See*—  
Crawford, Wayland H. 2,723,728.
- Modine, Arthur B., to Wiscon Products, Inc. 2,708,944, Cl. 137—202.
- Modine Mfg. Co.: *See*—  
Simpelaar, Clyde S. 2,703,226.  
Simpelaar, Clyde S. 2,703,700.  
Simpelaar, Clyde S. 2,703,701.  
Spieth, Benjamin. 2,699,234.
- Modny, Michael T.: *See*—  
Bambara, John, and Modny. 2,725,053.
- Modrey, Henry J., to AMI Inc. 2,721,467, Cl. 68—184.
- Modrey, Henry J. 2,721,981, Cl. 339—75.
- Moe, Lucas H., Jr.: *See*—  
Ellison, Clarence H., and Moe. 2,699,318.
- Moe, Oliver M. 2,699,124, Cl. 103—228.
- Moe, Oliver M. 2,711,734, Cl. 128—276.
- Moe, William W., to Time, Inc. 2,721,908, Cl. 179—171.
- Moe, William W., to Time, Inc. 2,727,940, Cl. 178—5.2.
- Moederle, Vasco. 2,710,659, Cl. 180—11.
- Moehl, Reno W.: *See*—  
Murray, Maurice J., and Moehl. 2,703,315.
- Moeller, Bernhard V.: *See*—  
Anderson, Arthur W., and Moeller. 2,720,464.
- Moeller, Carl A.: *See*—  
Claff, Clarence L. and C. E., and Moeller. 2,706,944.  
Claff, Clarence L. and C. E., and Moeller. 2,712,342.
- Moeller, Lloyd E.: *See*—  
Mast, Gifford M., Gannett, and Moeller. 2,718,738.
- Moeller Mfg. Co.: *See*—  
Helbig, Hugo. 2,718,974.
- Moeller, Peel L. 2,705,513, Cl. 144—136.
- Moeller, William P.: *See*—  
Eckler, Leopold, and Moeller. 2,706,310.
- Moen, Ansel. 2,727,405, Cl. 74—540.
- Moen, Otto. 2,706,292, Cl. 1—3.
- Moergeli, Eduard, to Ciba Ltd. 2,705,709, Cl. 260—207.1.
- Moergeli, Eduard, to Ciba Ltd. 2,705,718, Cl. 260—368.
- Moergeli, Eduard, to Ciba Ltd. 2,706,731, Cl. 260—327.
- Moerk, John C., to Fairbanks, Morse & Co. 2,708,851, Cl. 74—421.
- Moerke, Ned H., to The Fluor Corp., Ltd. 2,703,629, Cl. 183—41.
- Moerke, Ned H., and C. Newman, to The Fluor Corp., Ltd. 2,707,033, Cl. 181—48.
- Moerkens, Jozef C., to Hartford National Bank and Trust Co., trustee. 2,712,617, Cl. 315—99.
- Moersch, George W., to Parke, Davis & Co. 2,699,451, Cl. 260—562.
- Moessinger, John C., to General Aniline & Film Corp. 2,720,538, Cl. 260—506.
- Moffats Ltd.: *See*—  
Slate, Raymond N. 2,713,103.  
Slate, Raymond N., and Smith. 2,701,286.
- Moffett, Robert B.: *See*—  
Goodson, Louis H., Moffett, Stafford, and Hoehn. 2,711,428.
- Moffett, Robert B., to The Upjohn Co. 2,726,240, Cl. 260—239.55.
- Mogavero, Maurice: *See*—  
Friedman, Irving. 2,701,575.  
Friedman, Irving, and Mogavero. 2,706,992.
- Moghadam, Leon M. 2,716,515, Cl. 223—102.
- Mohawk Carpet Mills, Inc.: *See*—  
Ammerall, Albert J. 2,726,827.  
Cogovan, Edward J. 2,706,324.  
Crawford, Allan. 2,701,586.  
Rice, Walter A. 2,700,205.  
Rice, Walter A. 2,723,937.
- Mohler, James B., to Johnson Bronze Co. 2,712,166, Cl. 22—204.
- Mohler, James B., to Johnson Bronze Co. 2,715,259, Cl. 29—196.2.
- Mohn, Olof: *See*—  
Lapenas, Torpia A., and Mohn. 2,699,633.
- Mohr, Albert, Jr., and J. P. Grilli, to John Mohr and Sons. 2,704,401, Cl. 33—126.6.
- Mohr, Glenn R., and M. J. Gelpi, to Westinghouse Electric Corp. 2,727,113, Cl. 200—166.
- Mohr, John, and Sons: *See*—  
Mohr, Albert, Jr., and Grilli. 2,704,401.
- Mohrs, Ernst, and A. Claus, to Firma Rheinisch-Westfaelische Kalkwerke Aktiengesellschaft, and Firma Maschinenfabrik Adolf Claus. 2,721,666, Cl. 214—17.
- Mohylowski, Michal. 2,708,073, Cl. 240—6.4.
- Moise, James E.: *See*—  
Richardson, Roger W., Moise, and Turpin. 2,702,434.
- Mojé, William, to E. I. du Pont de Nemours and Co. 2,712,493, Cl. 23—151.
- Mojonnier Bros., Inc.: *See*—  
Cross, Joseph A. 2,703,610.
- Mojud Co., Inc.: *See*—  
Zane, Edward E., and Caron. 2,713,783.
- Molander, Carl G.: *See*—  
Ramer, John L., and Molander. 2,724,414.
- Moleman, Pieter F., to Hartford National Bank and Trust Co. 2,728,834, Cl. 201—63.
- Molenaar, Henri C. 2,701,142, Cl. 280—36.
- Moletz, George J., Jr., and B. Pollack. 2,717,107, Cl. 222—334.
- Molina, Alfonso P., 1/2 to R. Pulido. 2,715,284, Cl. 34—238.
- Molina, Ralph J. 2,723,158, Cl. 299—24.
- Molinari, Henry G., to Becton Dickinson and Co. 2,706,584, Cl. 222—235.
- Molins, Desmond W.: *See*—  
Ruau, Felix F., Molins, and Jackson. 2,708,440.
- Molins, Desmond W., to Molins Machine Co. Ltd. 2,701,070, Cl. 214—301.
- Molins, Desmond W., to Molins Machine Co. Ltd. 2,707,630, Cl. 265—27.
- Molins, Desmond W., to Molins Machine Co. Ltd. 2,711,175, Cl. 131—61.
- Molins, Desmond W., to Molins Machine Co., Ltd. 2,719,525, Cl. 131—61.
- Molins, Desmond W., F. F. Ruau, and N. W. Jackson, to Molins Machine Co. Ltd. 2,703,089, Cl. 131—61.
- Molins, Desmond W., and G. F. W. Powell, to Molins Machine Co. Ltd. 2,704,079, Cl. 131—21.
- Molins, Desmond W., J. C. Haysom, and J. A. Mason. 2,708,391, Cl. 89—45.
- Molins, Desmond W., F. F. Ruau, and N. W. Jackson, to Molins Machine Co. Ltd. 2,716,412, Cl. 131—66.
- Molins Machine Co. Ltd.: *See*—  
Molins, Desmond W. 2,701,070.  
Molins, Desmond W. 2,707,630.  
Molins, Desmond W. 2,711,175.  
Molins, Desmond W. 2,719,525.  
Molins, Desmond W., and Powell. 2,704,079.  
Molins, Desmond W., Ruau, and Jackson. 2,703,089.  
Molins, Desmond W., Ruau, and Jackson. 2,716,412.  
Rowlands, Tom. 2,708,472.  
Rowlands, Tom. 2,714,365.  
Rowlands, Tom. 2,714,415.  
Ruau, Felix F., Molins, and Jackson. 2,708,440.
- Molke, Eric C. 2,699,739, Cl. 108—1.
- Molla, Charles P. 2,728,166, Cl. 45—137.
- Moller, Clifford B. 2,711,137, Cl. 103—202.
- Möller, Fritz, to C. R. W. Stephan and B. E. Gourley. 2,711,785, Cl. 155—164.
- Möller, Georg. 2,714,410, Cl. 146—119.
- Molloy, Everett W.: *See*—  
Hare, George H., and Molloy. 2,724,798.
- Mollring, Gilman B. 2,706,820, Cl. 5—320.
- Molnar, Albert S. 2,723,576, Cl. 81—15.
- Molnar, Imre, to Automatic Electric Laboratories, Inc. 2,698,881, Cl. 179—18.
- Molnar, Imre, to Automatic Electric Laboratories, Inc. 2,708,691, Cl. 179—8.5.
- Molnar, Imre, to Automatic Electric Laboratories, Inc. 2,709,719, Cl. 179—18.
- Moloney, Raymond T.: *See*—  
Breitenstein, Charles T. 2,698,884.  
Breitenstein, Charles T. 2,722,422.  
Burnside, Walter M. 2,709,593.  
Henry, Earle G. 2,715,531.  
Hoffmann, Elmer L., and Bruggen. 2,716,254.  
Hooker, Donald E. 2,710,756.  
Kihl, Asbjorn, and Hooker. 2,722,382.  
Nicolaus, Frank G. 2,718,352.  
Nicolaus, Frank G. 2,722,421.  
Nicolaus, Frank G. 2,727,433.  
Swenson, Thure R. 2,718,627.  
Von Stoesser, Walter. 2,727,743.
- Molybdenum Corp. of America: *See*—  
Hirsch, Marx, Bacon, and Lucas. 2,722,471.
- Molyneux, Robert J., and K. H. Walkoe, to General Electric Co. 2,727,975, Cl. 219—20.
- Molyneux and Aspinwall, Inc.: *See*—  
Molyneux, Cecil P. 2,726,647.  
Molyneux, Cecil P. 2,703,944, Cl. 43—6.  
Molyneux, Cecil P., to Molyneux and Aspinwall, Inc. 2,726,647, Cl. 123—118.
- Molyneux, John C. 2,717,016, Cl. 150—40.
- Momyer, Joe B. 2,702,140, Cl. 214—731.
- Monaghan, Leo J., to Shawinigan Resins Corp. 2,704,753, Cl. 260—89.1.
- Monahan, John C., to Hydraulic Accessories Co. 2,707,135, Cl. 308—3.5.
- Monarch Equipment Co.: *See*—  
Saari, Frank E., and Roth. 2,725,247.
- Monarch Machine Tool Co., The: *See*—  
De Haas, Max, and Greene. 2,720,129.
- Monarch Tool & Machinery Co.: *See*—  
Budreck, Frances. 2,722,159.
- Monbeck, Russel L.: *See*—  
Beare, Charles H., Carson, and Monbeck. 2,707,017.  
Beare, Charles H., Carson, and Monbeck. 2,722,263.
- Moncier, James C. 2,724,627, Cl. 312—140.3.
- Moncrieff, Leslie J., to British Celanese Ltd. 2,708,772, Cl. 18—19.
- Mondria, Hendrik, to Shell Development Co. 2,721,829, Cl. 196—18.
- Monet, Gilbert P.: *See*—  
Arnold, Harold W., and Monet. 2,721,171.
- Monfils, Napoleon A.: *See*—  
Quinn, Edward, and Monfils. 2,716,765.
- Monforts, A.: *See*—  
Walter, Willy. 2,724,907.
- Monger, James F. 2,710,669, Cl. 184—1.
- Monick, John A.: *See*—  
Andrews, Herbert W., and Monick. 2,710,250.
- Monitor Process Corp.: *See*—  
Tamminga, William J. 2,718,985.
- Monjar, Percival C., to The Carborundum Co. 2,713,237, Cl. 51—193.7.



- Monk, Gaines W.: *See*—  
Loevinger, Robert, Chubb, and Monk. 2,727,995.
- Monlux, George W. 2,704,972, Cl. 98—78.
- Monmouth Electric Co.: *See*—  
Craig, Leo S., and Kaufman. 2,714,149.  
Craig, Leo S., and Kaufman. 2,726,305.
- Monnier, James A. 2,707,529, Cl. 184—55.
- Monolith Portland Cement Co.: *See*—  
Oberg, Bertil N., and Humes. 2,721,806.  
Schoonover, Paul L. 2,702,218.  
Treshow, Michael. 2,702,217.  
Treshow, Michael. 2,726,047.
- Monotype Corp. Ltd., The: *See*—  
Croucher, Henry G. 2,701,991.  
Croucher, Henry G. 2,715,942.  
Dewhurst, Maurice R. 2,725,800.  
Dewhurst, Maurice R. 2,725,801.
- Monroe Calculating Machine Co.: *See*—  
Burkhart, William H. 2,700,755.  
Duke, Harvie J. 2,725,969.  
Fennessy, Donald T. 2,718,633.  
Fleming, Howard M. 2,705,068.  
Fleming, Howard M., Jr. 2,713,676.  
Gang, Herman. 2,721,698.  
Lundquist, Ingemar. 2,710,405.  
Oliwa, Walter S. 2,716,230.  
Oliwa, Walter S. 2,718,601.
- Monroe, E. L.: *See*—  
Groves, Earl C. 2,719,550.
- Monroe, Paul S., to the United States of America as represented by the United States Atomic Energy Commission. 2,707,964, Cl. 137—4.
- Monroy, Johan F., to Stichting Instituut Voor Grafische Techniek T. N. O. 2,719,790, Cl. 95—81.
- Monroy, Johan F., and W. Lenaarts, to Stichting Instituut voor Grafische Techniek T. N. O. 2,701,420, Cl. 33—184.5
- Monsanto Chemical Co.: *See*—  
Adams, James F., Bauer, and Taylor. 2,698,779.  
Alexander, Wayne E. 2,715,947.  
Anagnostopoulos, Constantine E. 2,727,065.  
Asi, Jacob R., and Lambuth. 2,727,869.  
Ballman, Richard L., and Chamberlin. 2,727,878.  
Barrett, Gerald R. 2,727,835.  
Beardsell, Wallace A. 2,718,513.  
Beaver, David J., Downey, and Harris. 2,713,047.  
Beaver, David J., Shumard, and Stoffel. 2,713,036.  
Birum, Gail H., and Schlesinger. 2,717,828.  
Blake, Edward S. 2,723,195.  
Blake, Edward S., and Piesbergen. 2,710,259.  
Blanchette, Joseph A., and Richards. 2,715,115.  
Bowen, Albert H. 2,712,003.  
Boyd, Thomas. 2,702,965.  
Boyd, Thomas. 2,702,966.  
Boyd, Thomas. 2,710,850.  
Boyd, Thomas. 2,710,851.  
Boyd, Thomas. 2,710,852.  
Boyd, Thomas. 2,716,656.  
Boyd, Thomas. 2,727,918.  
Boyd, Thomas, and Dickey. 2,710,267.  
Boyd, Thomas, and Walter. 2,700,031.  
Boyd, Thomas, and Walter. 2,700,032.  
Boyd, Thomas, and Walter. 2,700,033.  
Bryan, Collis C. 2,721,221.  
Buchdahl, Rolf, and Baer. 2,707,709.  
Bump, Charles K. 2,710,268.  
Butler, John M. 2,703,791.  
Butler, John M. 2,720,512.  
Cairns, Robert E. 2,727,693.  
Carter, Don E. 2,722,540.  
Christian, John D. 2,711,427.  
Christian, John D. 2,715,100.  
Cohen, Oscar P. 2,715,078.  
Cohen, Oscar P. 2,727,004.  
Cohen, Oscar P., and Scott. 2,700,001.  
Conery, George F., and Ingle. 2,711,968.  
Contois, Leo L., Jr. 2,717,247.  
Cotman, John D., Jr. 2,716,642.  
Cotman, John Daniel, Jr. 2,716,643.  
D'Amico, John J. 2,701,799.  
D'Amico, John J. 2,704,761.  
D'Amico, John J. 2,713,053.  
D'Amico, John J. 2,721,868.  
D'Amico, John J. 2,721,869.  
D'Amico, John J. 2,727,038.  
Dazzi, Joachim. 2,709,691.  
Dazzi, Joachim. 2,718,495.  
Dazzi, Joachim. 2,725,364.  
Dazzi, Joachim, and Fields. 2,727,006.  
Dobratz, Elmer H. 2,704,296.  
Downey, Paul M. 2,726,277.  
Dye, William T., Jr. 2,703,813.  
Dye, William T., Jr. 2,703,814.  
Emblem, Harold G. 2,699,410.  
Emerson, William S., and Longley. 2,700,656.  
Emerson, William S., and Wildi. 2,703,816.  
Fantl, Joel. 2,718,514.  
Farrar, Martin W. 2,707,190.  
Fields, Joseph E. 2,727,059.  
Fox, John E. 2,722,537.  
Gamrath, Harry R. 2,704,278.  
Gamrath, Harry R., and Hatton. 2,698,837.  
Gamrath, Harry R., and Hatton. 2,707,176.  
Gluesenkamp, Earl W. 2,723,189.
- Monsanto Chemical Co.: *See*—Continued.  
Gluesenkamp, Earl W., and Patrick. 2,704,759.  
Gluesenkamp, Earl W., and Patrick. 2,710,873.  
Harman, Marion W. 2,723,989.  
Harman, Marion W. 2,725,382.  
Harris, James O. 2,718,517.  
Harris, John S. 2,702,299.  
Hedrick, Ross M., and Tremontozzi. 2,703,276.  
Heininger, Samuel A. 2,726,945.  
Hochwalt, Carroll A. 2,727,037.  
Howard, Walter B., Nelson, and Rosenberg. 2,725,985.  
Huck, Rodney M. 2,715,114.  
Jarvi, Reino A. 2,705,680.  
Jones, Otha C., and Arvan. 2,717,198.  
Kennedy, Gordon T. 2,702,273.  
Kosmin, Milton. 2,717,909.  
Kosolapoff, Gennady M. 2,720,535.  
Lehmann, Barbara T., and Watts. 2,707,154.  
Longley, Raymond I., Jr. 2,727,013.  
Mares, Joseph R. 2,726,143.  
Marotta, Ralph, and Martinson. 2,717,214.  
McDonald, David W. 2,718,525.  
McMinn, Talmage D., Jr. 2,708,151.  
Miller, Robert E. 2,717,254.  
Mörner, Richard R., and Longley. 2,717,886.  
Morrill, Henry L. 2,716,094.  
Morrill, Henry L. 2,717,884.  
Mowry, David T., and Mörner. 2,723,260.  
Nelson, Herbert H. 2,715,101—2,715,105.  
Nickerson, Ralph F. 2,701,218.  
Nickerson, Ralph F. 2,725,308.  
Niles, George E. 2,712,994.  
Ogden, Franklin F. 2,726,220.  
Oliver, George D. 2,726,139.  
Palmer, John F., Jr. 2,721,843.  
Park, Harold F. 2,700,055.  
Park, Harold F. 2,709,707.  
Park, Harold F. 2,713,042.  
Park, Harold F. 2,715,142.  
Park, Harold F. 2,727,057.  
Park, Harold F. 2,727,877.  
Park, Harold F., and Bump. 2,726,204.  
Park, Harold F., and Longley. 2,710,882.  
Patrick, Tracy M., Jr. 2,713,535.  
Patrick, Tracy M., Jr. 2,716,660.  
Patrick, Tracy M., Jr. 2,720,530.  
Platzter, Norbert J., and Carlson. 2,710,426.  
Powers, Donald H., and Cohen. 2,723,213.  
Richardson, George A. 2,716,647.  
Ruehrwein, Robert A., and Skinner. 2,720,281.  
Ruehrwein, Robert A., and Skinner. 2,720,445.  
Saunders, James H., and Slocombe. 2,702,307.  
Schlesinger, Arthur H. 2,723,190.  
Schlesinger, Arthur H., and Mowry. 2,723,191.  
Sharp, Dexter B. 2,703,751.  
Shumard, Roland S. 2,703,301.  
Slocombe, Robert J., and Wesp. 2,719,140.  
Speziale, Angelo J. 2,713,068.  
Speziale, Angelo J. 2,713,069.  
Speziale, Angelo J. 2,713,070.  
Stehman, Carlyle J. 2,726,258.  
Strachan, Mark N. 2,701,902.  
Tremontozzi, Quirino A. 2,726,206.  
Walker, Harry M. 2,702,815.  
Walker, Harry M., and Yates. 2,726,255.  
Weeks, Lloyd E. 2,715,611.  
Werkheiser, Robert L. 2,726,226.  
Wildi, Bernard S. 2,698,853.  
Wilson, Ivan V., and Marotta. 2,702,283.  
Yates, William F. 2,726,257.  
Zienty, Ferdinand B. 2,701,248.  
Zienty, Ferdinand B., and Speziale. 2,704,300.
- Monson, Abraham O. 2,699,311, Cl. 248—216.
- Monson, Abraham O. 2,710,381, Cl. 339—14.
- Monson, Louis T., and W. J. Dickson, to Petrolite Corp. 2,727,027, Cl. 260—112.
- Montagna, Amelio E., and W. C. Bedoit, Jr., to Union Carbide and Carbon Corp. 2,721,881, Cl. 260—566.
- Montalto, Ignatius M. 2,720,044, Cl. 40—16.
- Montange, Stanley J.: *See*—  
Lindstrom, Merrill S., and Montange. 2,722,912.
- Montclair Research Corp.: *See*—  
MacKenzie, Charles A., Spialter, and Schoffman. 2,721,873.  
Pannone, Laura J., and Rust. 2,713,581.  
Rust, John B., and Canfield. 2,708,662.  
Rust, John B., and Spialter. 2,709,174.
- Montecatini, soc. gen. per l'Industria Mineraria e Chimica: *See*—  
Mantovanello, Giovanni. 2,713,024.
- Monteith, John G.: *See*—  
Parry, Peter W., and Monteith. 2,710,588.
- Montes, Gustavo E., to Ethyl Corp. 2,725,404, Cl. 260—650.
- Montessi, Peter J., to Buxton, Inc. 2,727,550, Cl. 150—39.
- Montfort, Kenneth W., to J. W. Main. 2,718,348, Cl. 229—37.
- Montgomery, Charles L. 2,701,618, Cl. 181—33.
- Montgomery, Charles W.: *See*—  
Anhorn, Victor J., and Montgomery. 2,700,014.
- Montgomery, Charles W., and E. B. Weinberger, to Gulf Research & Development Co. 2,699,383, Cl. 48—196.
- Montgomery, Frances B. 2,699,903, Cl. 242—55.2.
- Montgomery, Francis M. 2,699,910, Cl. 248—120.
- Montgomery, James B.: *See*—  
Hoffman, Alfred N., and Montgomery. 2,727,885.



- Montgomery, John. 2,716,029, Cl. 273—178.  
 Montgomery, John A.: *See*—  
   Thompson, Henry L., and Montgomery. 2,714,090.  
 Montgomery, John A., and M. S. Campbell. 2,717,873, Cl. 210—2.  
 Montgomery, John T. 2,703,721, Cl. 285—108.  
 Montgomery, Joseph B. 2,716,367, Cl. 81—121.  
 Montgomery, Maxson H., and N. D. Helmer. 2,723,050, Cl. 222—103.  
 Montgomery, Orin C., to Phillips Petroleum Co. 2,707,524, Cl. 181—0.5.  
 Montgomery, Richard F., and N. L. H. Koot. 2,719,361, Cl. 33—178.  
 Montgomery, Richard F., and N. L. H. Koot. 2,719,362, Cl. 33—178.  
 Montgomery, Richard F., and N. L. H. Koot. 2,719,363, Cl. 33—178.  
 Montgomery, Richard F., N. L. Koot, and M. A. Garrison; said Garrison assor. to said Montgomery and said Koot. 2,726,848, Cl. 255—28.  
 Montieth, Oscar V., to General Motors Corp. 2,702,100, Cl. 188—110.  
 Montllor, James A., to Essex Electronics. 2,713,144, Cl. 323—74.  
 Montooth, George A., and W. J. Schlitt, Jr., to The Brunswick-Balke-Collender Co. 2,705,146, Cl. 273—43.  
 Montrose Chemical Co.: *See*—  
   Rosin, Jacob. 2,716,658.  
   Rosin, Jacob. 2,721,224.  
 Montrose Chemical Corp. of California: *See*—  
   Rosin, Jacob. 2,701,817.  
 Monty, Carl K. 2,715,504, Cl. 242—84.5.  
 Mo Och Domsjö Aktiebolag: *See*—  
   Hägglund, Erik K. M. 2,719,788.  
 Mood, Paul: *See*—  
   Pfeffer, William E. 2,710,377.  
 Moodie, Virginia B. 2,700,383, Cl. 128—87.  
 Moodie, Virginia B. 2,702,552, Cl. 128—375.  
 Moody, Eddie L. 2,698,662, Cl. 164—73.  
 Moody, Elliott E. 2,706,997, Cl. 137—315.  
 Moody, John L., and J. E. Grobl, to Friden Calculating Machine Co., Inc. 2,714,986, Cl. 235—62.  
 Moody, Leonard E.: *See*—  
   Cyphers, Elmer B., and Moody. 2,716,089.  
 Moog, Arthur W., to Bendix Aviation Corp. 2,702,876, Cl. 317—15.  
 Mook, Glenn C.: *See*—  
   Brown, Wilbur F., Mook, Jarosl, and Davis. 2,714,558.  
 Moolenaar, Jan. 2,701,159, Cl. 292—310.  
 Moon, Cecil W., to the United States of America as represented by the Secretary of the Army. 2,727,418, Cl. 81—121.  
 Moon, Clifford G., to Draper Corp. 2,705,507, Cl. 139—79.  
 Moon, Clifford G., to Draper Corp. 2,720,225, Cl. 139—263.  
 Moon, Edward W., 3rd, to American Optical Co. 2,727,547, Cl. 150—0.5.  
 Moon, Frederick C.: *See*—  
   Spitler, Clem H., and Moon. 2,717,982.  
 Moon, James M. 2,780,747, Cl. 340—280.  
 Moon, Sterling C., to The Jeffrey Mfg. Co. 2,699,966, Cl. 296—37.  
 Moon, Sterling C., to The Jeffrey Mfg. Co. 2,718,381, Cl. 255—46.  
 Mooney, Clyde F., to Flint Steel Corp. 2,701,038, Cl. 189—2.  
 Mooney, Daniel J. 2,723,115, Cl. 268—123.  
 Mooney, Thomas J., to E. I. du Pont de Nemours and Co. 2,710,883, Cl. 260—601.  
 Moor, Clarence L., Jr.: *See*—  
   Fulton, William H., and Moor. 2,712,357.  
 Moor, Dudley W., Jr., to American Mat Corp. 2,701,890, Cl. 15—215.  
 Mooradian, Aram, to Sterling Drug Inc. 2,721,213, Cl. 260—562.  
 Mooradian, Shannon, and H. E. Millson, to American Cyanamid Co. 2,723,178, Cl. 8—42.  
 Moore, Arthur F. 2,718,776, Cl. 70—241.  
 Moore Business Forms, Inc.: *See*—  
   Bright, Maxel L. 2,723,718.  
 Moore, Chaffin C. 2,723,098, Cl. 248—128.  
 Moore, Charles B., and W. F. Huch, to the United States of America as represented by the Secretary of the Army. 2,708,082, Cl. 244—31.  
 Moore, Charles B., Jr., to General Mills, Inc. 2,707,603, Cl. 244—87.  
 Moore, Charles E., to Radio Corp. of America. 2,698,933, Cl. 343—11.  
 Moore, Charles H., Jr., to National Lead Co. 2,715,070, Cl. 106—42.  
 Moore, Charles R., to Alumanode Converters, Inc. 2,701,834, Cl. 219—10.  
 Moore, Clay C., Jr. 2,710,337, Cl. 240—37.  
 Moore, Clifford M. 2,722,453, Cl. 299—37.  
 Moore, Clyde M., to Moorex Industries, Inc. 2,722,725, Cl. 20—92.  
 Moore, Clyde M., to Moorex Industries, Inc. 2,727,286, Cl. 20—92.  
 Moore, Coleman B., to Moore Products Co. 2,706,994, Cl. 137—85.  
 Moore, David P. 2,712,225, Cl. 66—9.  
 Moore, David P., ½ to J. G. G. Merrow. 2,717,473, Cl. 46—178.  
 Moore, David P. 2,725,735, Cl. 66—80.  
 Moore, David W., Jr., to Fairchild Camera and Instrument Corp. 2,720,572, Cl. 201—55.  
 Moore, Donald G., to Radio Corp. of America. 2,726,367, Cl. 332—39.  
 Moore, Dorothy L. 2,713,204, Cl. 33—16.  
 Moore Dry Kiln Co.: *See*—  
   Pope, Erastus M., and Williams. 2,707,443.  
 Moore, Edgar S., ½ to F. Manton, ½ to J. T. Manton, and ½ to D. H. Manton. 2,706,504, Cl. 144—32.  
 Moore, Elton M. 2,723,785, Cl. 223—73.  
 Moore Fabrics, Inc.: *See*—  
   Moore, John V. 2,718,244.  
   Moore, John V. 2,718,905.  
 Moore, Francis J. 2,701,109, Cl. 242—55.2.  
 Moore, Fred W.: *See*—  
   Kluge, Herman D., and Moore. 2,725,357.  
   Kluge, Herman D., and Moore. 2,725,358.  
 Moore, Gardner B.: *See*—  
   Fuller, Frank W., and Moore. 2,708,288.  
 Moore, George A. 2,712,880, Cl. 220—4.  
 Moore, George A. 2,717,094, Cl. 220—4.  
 Moore, George A. 2,722,364, Cl. 229—23.  
 Moore, George K., to Square D Co. 2,726,005, Cl. 220—24.3.  
 Moore, George W. 2,728,599, Cl. 294—86.  
 Moore, Harrington. 2,727,256, Cl. 10—10.  
 Moore, Harry L., to Thomas Taylor & Sons, Inc. 2,704,152, Cl. 206—45.14.  
 Moore, Harry O., to Silabert Corp. 2,706,293, Cl. 1—3.  
 Moore, Jack E. 2,708,233, Cl. 219—41.  
 Moore, Jack K. 2,707,594, Cl. 241—5.  
 Moore, James A.: *See*—  
   Snell, Esmond E., Wittle, and Moore. 2,722,551.  
 Moore, James B., to United Biscuit Co. of America. 2,701,543, Cl. 118—53.  
 Moore, James H.: *See*—  
   Clough, Philip J., and Moore. 2,719,094.  
 Moore, James R., to the United States of America as represented by the Secretary of War. 2,726,385, Cl. 343—16.  
 Moore, James W., to Delaware Engineering Corp. 2,728,018, Cl. 314—62.  
 Moore, John A. 2,716,786, Cl. 20—62.  
 Moore, John A. 2,718,038, Cl. 20—62.  
 Moore, John F.: *See*—  
   Rety, Stephen P., and Moore. 2,704,144.  
 Moore, John R., to General Electric Co. 2,703,207, Cl. 242—9.  
 Moore, John V., to Moore Fabrics, Inc. 2,718,244, Cl. 139—423.  
 Moore, John V., to Moore Fabrics, Inc. 2,718,905, Cl. 139—421.  
 Moore, Lawrence K. 2,724,440, Cl. 166—46.  
 Moore, Lee C., Corp.: *See*—  
   Jenkins, Cecil, and Campbell. 2,709,087.  
   Woolslayer, Homer J., Jenkins, and Iddings. 2,701,039.  
   Woolslayer, Homer J., and Iddings. 2,711,804.  
   Woolslayer, Homer J., Jenkins, Iddings, and Campbell. 2,706,539.  
   Woolslayer, Homer J., Jenkins, and Turner. 2,708,565.  
   Woolslayer, Homer J., Jenkins, Turner, and Campbell. 2,706,540.  
 Moore, Marjorie B.: *See*—  
   Weston, Arthur W., Moore, Richards, and Matson. 2,700,041.  
 Moore, Mary E. 2,711,545, Cl. 5—118.  
 Moore, Murry R. 2,723,714, Cl. 160—23.  
 Moore, Nelson: *See*—  
   Toulon, Pierre M. G. 2,708,268.  
   Toulon, Pierre M. G. 2,713,657.  
   Toulon, Pierre M. G. 2,720,553.  
 Moore, Nolan P. W.: *See*—  
   Evans, Edgar C., Ford, and Moore. 2,727,933.  
   Evans, Edgar C., Ford, Moore, and Grootenhuis. 2,727,932.  
 Moore, Norman H., to Litton Industries, Inc. 2,724,090, Cl. 333—34.  
 Moore, Osborne B.: *See*—  
   Wikle, George F., Moore, and Stiegler. 2,717,628.  
 Moore, Pernel J., and A. Abdalla, Jr., to National Lead Co. 2,723,228, Cl. 202—189.  
 Moore Products Co.: *See*—  
   Moore, Coleman B. 2,706,994.  
 Moore, Ralph W., to Pangborn Corp. 2,716,310, Cl. 51—13.  
 Moore, Ralph W., to Pangborn Corp. 2,724,929, Cl. 51—13.  
 Moore, Raymond W., and A. O. Fitzner, to Westinghouse Electric Corp. 2,715,701, Cl. 318—6.  
 Moore, Richard E.: *See*—  
   Treseder, Robert C., Dinsmore, Moore, Geyer, and Berninger. 2,699,304.  
 Moore, Robert E., to Amana Refrigeration, Inc. 2,720,335, Cl. 220—15.  
 Moore, Robert E., to Amana Refrigeration, Inc. 2,724,524, Cl. 220—22.  
 Moore, Robert E., to Amana Refrigeration, Inc. 2,725,727, Cl. 62—89.  
 Moore, Robert E., and W. R. Bower, to Amana Refrigeration, Inc. 2,725,546, Cl. 339—126.  
 Moore, Robert J.: *See*—  
   Wachter, Aaron, and Moore. 2,717,196.  
 Moore, Robert L.: *See*—  
   Briskin, Theodore S., and Moore. 2,711,118.  
 Moore, Samuel, & Co.: *See*—  
   Brumbach, Robert E. 2,707,307.  
 Moore, Thomas V., to Standard Oil Development Co. 2,701,123, Cl. 255—19.  
 Moore, Thomas W., to American Machine & Foundry Co. 2,710,927, Cl. 307—59.



- Moore, Thomas W., to American Machine & Foundry Co. 2,710,939, Cl. 322—24.  
 Moore, Vincent, to Curtiss-Wright Corp. 2,721,457, Cl. 64—15.  
 Moore, Vincent H.: *See*—  
   Duncan, Forrest R. 2,722,964.  
 Moore, W. E., and Co.: *See*—  
   Zankey, Harry E. 2,727,585.  
 Moore, Walter B. 2,714,277, Cl. 51—92.  
 Moore, Walter G., to Marepa Trust Ltd. 2,705,332, Cl. 9—38.  
 Moore, William J.: *See*—  
   Larson, Eric W., Hodes, and Moore. 2,716,442.  
 Moore, William M., to United Gas Corp. 2,709,920, Cl. 73—432.  
 Moore, William V. 2,705,463, Cl. 107—1.  
 Moorex Industries, Inc.: *See*—  
   Moore, Clyde M. 2,722,725.  
   Moore, Clyde M. 2,727,286.  
 Moorhead, Arthur H.: *See*—  
   McIntosh, Robert L., and Moorhead. 2,721,523.  
 Moorhead, Walter H. 2,707,723, Cl. 174—153.  
 Mooser, Alfred. 2,702,992, Cl. 62—114.  
 Mooter, Lewis A. 2,704,952, Cl. 81—57.  
 Mora, Peter T., and E. Pacsu. 2,719,179, Cl. 260—209.  
 Mora, Steve, to Inter-City Mfg. Co. 2,721,346, Cl. 15—105.  
 Moraga, David J. 2,704,046, Cl. 116—118.  
 Morain, Clifford F. 2,721,060, Cl. 256—64.  
 Moraine Box Co.: *See*—  
   Munroe, Thomas. 2,700,457.  
 Morales, Frank H. 2,717,666, Cl. 189—46.  
 Moran, Don E., to General Electric Co. 2,705,270, Cl. 200—140.  
 Moran Instrument Corp.: *See*—  
   Moran, Robert B., Jr. 2,728,852.  
 Moran, James A., to Alco Valve Co. 2,714,394, Cl. 137—625.29.  
 Moran, James A., to Alco Valve Co. 2,726,019, Cl. 222—445.  
 Moran, James M.: *See*—  
   Dexter, Robert G., Moran, Ruggere, and Rulon-Miller. 2,725,600.  
 Moran, James M., and H. K. MacKeechie, to Knapp-Monarch Co. 2,709,216, Cl. 219—46.  
 Moran, Robert B., Jr., to Moran Instrument Corp. 2,728,852, Cl. 250—15.  
 Moran, Robert G. 2,705,811, Cl. 15—132.5.  
 Moran, William J.: *See*—  
   Gilbert, Everett E., Moran, and Petry. 2,723,990.  
 Moran, William O. 2,701,999, Cl. 98—58.  
 Moravecky, Frank J. 2,726,023, Cl. 226—2.  
 Morbeck, Robert C.: *See*—  
   Bronson, Stanley O., II, Morbeck, and Sweetser. 2,717,857.  
   Bronson, Stanley O., II, Morbeck, and Sweetser. 2,717,858.  
   Sweetser, Sumner B., Bronson, II, and Morbeck. 2,724,684.  
 Mörch, Arne S. 2,722,752, Cl. 34—86.  
 Mordarski, Walter J., and W. H. Spencer, to The Connecticut Hard Rubber Co. 2,719,017, Cl. 248—24.  
 Mordica O. Johnston, Jr.: *See*—  
   Johnston, James L. 2,702,474.  
 Mordkin, Michael. 2,725,164, Cl. 223—96.  
 More, Agnes M. 2,716,981, Cl. 128—163.  
 More, Arthur R., to H. W. Wallace & Co. Ltd. 2,699,671, Cl. 73—1.  
 More, David: *See*—  
   Fulton, Hugh W., Stead, and More. 2,723,079.  
 More, Edgar. 2,698,445, Cl. 5—323.  
 Morehead, Beachley A., to E. I. du Pont de Nemours and Co. 2,719,090, Cl. 106—193.  
 Morehouse, Neal F.: *See*—  
   Zbornik, Thomas W., Morehouse, and Walde. 2,715,600.  
 Morel, Clarence E. 2,701,539, Cl. 114—208.  
 Morel, Pierre L. G., and B. L. Robert, to Societe d'Electronique et d'Automatisme. 2,708,731, Cl. 318—326.  
 Moreland, Stephen T.: *See*—  
   Scherer, Robert P., Benford, and Moreland. 2,703,047.  
 Moreland, Stephen T., and W. V. Haffield; said Haffield assor. to said Moreland. 2,699,717, Cl. 99—257.  
 Moreland, William J., Jr.: *See*—  
   Veneklasen, Paul S., and Moreland. 2,716,187.  
 Morell, Samuel A.: *See*—  
   Lipton, Samuel H., and Morell. 2,700,038.  
 Moreno, Theodore: *See*—  
   Hansen, William W., and Moreno. 2,724,800.  
 Morey, Arthur H., to General Electric Co. 2,702,009, Cl. 105—62.  
 Morey, Donald R., to Eastman Kodak Co. 2,725,297, Cl. 95—9.  
 Morey, Glenn H., to Glas-Col Apparatus Co., Inc. 2,700,097, Cl. 219—43.  
 Morey Machine Co., Inc.: *See*—  
   Kurzweil, Robert. 2,701,042.  
 Morey Machinery Co., Inc.: *See*—  
   Morey, Sigmund M., and Casella. 2,721,487.  
 Morey, Sigmund M., and S. L. Casella, to Morey Machinery Co., Inc. 2,721,487, Cl. 74—765.  
 Morey, Woodruff A., to Whiting Corp. 2,722,897, Cl. 105—73.  
 Morf, Ernest. 2,700,869, Cl. 58—90.  
 Morf, Max, to Du Pont Co. of Canada Ltd. 2,726,171, Cl. 117—76.  
 Morgan, Adolph R., to Radio Corp. of America. 2,720,133, Cl. 84—124.  
 Morgan, Chester S., Jr., and N. C. Robertson, to Celanese Corp. of America. 2,704,294, Cl. 260—451.  
 Morgan, Clarence L., to Belrug Mills of South Carolina. 2,714,397, Cl. 139—21.  
 Morgan, Clarence L., to Belrug Mills of South Carolina. 2,714,398, Cl. 139—21.  
 Morgan Co. of Wisconsin: *See*—  
   Chapman, Arthur B. 2,709,582.  
 Morgan Construction Co.: *See*—  
   Hall, Henry S. 2,723,842.  
   Hitchcock, John H., and Murrah. 2,699,864.  
   Holbrook, John A. 2,704,151.  
   Kneass, Strickland, Jr. 2,702,605.  
   O'Malley, Joseph M., and Hill. 2,699,684.  
   Scott, Roger M. 2,716,007.  
   Shepherdson, John W. 2,724,080.  
 Morgan Crucible Co., Ltd., The: *See*—  
   Colbeck, Albert G. A., and Thorpe. 2,718,748.  
   Winter, Charles W. R. 2,718,442.  
 Morgan, David E., to Warren Webster & Co. 2,700,956, Cl. 119—31.  
 Morgan Development Laboratories, Inc.: *See*—  
   Morgan, Porter S. 2,715,925.  
 Morgan, Earl, and E. M. Rosecrans. 2,711,319, Cl. 278—149.  
 Morgan, Elliott R., to National Dairy Research Laboratories, Inc. 2,715,601, Cl. 195—67.  
 Morgan, Eric R., to Ford Motor Co. 2,726,952, Cl. 75—49.  
 Morgan, Erving B., B. S. Jurewicz, and A. J. Plachecki, to American Seating Co. 2,717,187, Cl. 311—106.  
 Morgan Fairest Ltd.: *See*—  
   Banks, Sydney E. 2,723,042.  
 Morgan, George W., O. M. Bizzell, G. G. Manov, and J. W. Hitch, to the United States of America as represented by the United States Atomic Energy Commission. 2,722,609, Cl. 250—43.5.  
 Morgan, Herman. 2,700,289, Cl. 70—14.  
 Morgan, James P., to American Viscose Corp. 2,721,359, Cl. 19—94.  
 Morgan, Jeremiah M., to Radio Corp. of America. 2,728,874, Cl. 315—27.  
 Morgan, John: *See*—  
   Knott, Edward B., and Morgan. 2,728,667.  
 Morgan, John, and D. A. J. Starkey, to Eastman Kodak Co. 2,721,800, Cl. 95—7.  
 Morgan, Joseph W. 2,719,031, Cl. 259—119.  
 Morgan, Porter S., to Morgan Development Laboratories, Inc. 2,715,925, Cl. 144—305.  
 Morgan, Raymond E., to General Electric Co. 2,699,525, Cl. 322—28.  
 Morgan, Raymond E., to General Electric Co. 2,715,203, Cl. 318—207.  
 Morgan, Raymond E., to General Electric Co. 2,720,579, Cl. 219—20.  
 Morgan, Reginald M. 2,720,307, Cl. 206—37.  
 Morgan, Roland J. 2,724,511, Cl. 211—181.  
 Morgan, Thomas H. 2,724,253, Cl. 67—7.1.  
 Morgan, Thomas J.: *See*—  
   Tinsley, Everett O., and Morgan. 2,709,620.  
 Morgan, Tracy B., Jr., to Bartelt Engineering Co. 2,721,008, Cl. 222—334.  
 Morgan, Willard L., to Libbey-Owens-Ford Glass Co. 2,698,593, Cl. 116—20.  
 Morgan, Willard L., to Libbey-Owens-Ford Glass Co. 2,698,594, Cl. 116—20.  
 Morgan, Willard L., to Libbey-Owens-Ford Glass Co. 2,698,595, Cl. 116—20.  
 Morgan, Willard L., to Libbey-Owens-Ford Glass Co. 2,698,596, Cl. 116—20.  
 Morgan, William F., to International Business Machines Corp. 2,724,755, Cl. 200—145.  
 Morganite Inc.: *See*—  
   Lyddon, Percy E. 2,714,028.  
 Morganson, Peter H., to The William L. Gilbert Clock Corp. 2,721,281, Cl. 310—162.  
 Morganson, Peter H., to The William L. Gilbert Clock Corp. 2,722,615, Cl. 310—41.  
 Morgardshammars Mek. Verkstads Aktiebolag: *See*—  
   Broman, John S. 2,711,355.  
 Morgen, André L. A. 2,725,808, Cl. 97—46.59.  
 Morgen, Augustine C. 2,725,125, Cl. 189—39.  
 Morgenstern, David M., to Nelmor Mfg. Corp. 2,706,931, Cl. 88—98.  
 Morgenstern, Rudolf: *See*—  
   Vorgang, Otto. 2,725,462.  
 Morgulis, Sergius. 2,698,824, Cl. 167—90.  
 Morhardt, Charles H., to A. B. Dick Co. 2,707,434, Cl. 101—350.  
 Mörike, Heinrich O.: *See*—  
   Breuning, Ernst W., Karpinski, and Mörike. 2,699,709.  
 Morin, Fernando A.: *See*—  
   Kleff, Arnold J., Jr., and Morin. 2,709,529.  
 Morin, George G.: *See*—  
   Mercier, Amos J., and Morin. 2,709,531.  
 Morin, George V. N., to Chicopee Mfg. Corp. 2,699,170, Cl. 128—287.  
 Morin, Joseph R., to Sylvania Electric Products Inc. 2,728,871, Cl. 313—184.  
 Morin, Louis H. 2,701,877, Cl. 1—177.  
 Morin, Louis H., to Rotolite Device Co., Inc. 2,706,770, Cl. 240—123.  
 Morin, Louis H., to Doehler Metal Furniture Co., Inc. 2,710,784, Cl. 312—256.  
 Morin, Louis H., to Doehler Metal Furniture Co., Inc. 2,710,785, Cl. 312—256.  
 Morin, Louis H. 2,714,949, Cl. 197—102.  
 Morin, Louis H. 2,720,015, Cl. 24—205.13.



- Morin, Louis H. 2,724,159, Cl. 22—70.  
 Morin, Louis H. 2,728,110, Cl. 18—55.  
 Morissette, Paul R. 2,722,923, Cl. 123—55.  
 Morita, James M. 2,702,040, Cl. 131—240.  
 Moritt, Irving J.: *See*—  
   Bell, Sidney R. 2,706,955.  
   Bell, Sidney R. 2,723,638.  
 Moritz, Carl: *See*—  
   Wagner, George E. 2,713,499.  
 Moritz, Kurt, and H. F. Wagner, to General Motors Corp. 2,702,565, Cl. 138—89.  
 Mork, Ralph G.: *See*—  
   Demer, Frederick M., and Mork. 2,714,841.  
 Mork, Ralph G., to International Business Machines Corp. 2,720,586, Cl. 250—27.  
 Mork, Raymond P., and C. W. Clapp, to the United States of America as represented by the Secretary of the Army. 2,712,640, Cl. 340—149.  
 Morkoski, James, to International Harvester Co. 2,718,184, Cl. 97—47.1.  
 Morkoski, James, to International Harvester Co. 2,720,741, Cl. 56—41.  
 Morkoski, James, to International Harvester Co. 2,723,612, Cl. 97—31.  
 Morkoski, James, and W. G. Toland, to International Harvester Co. 2,720,824, Cl. 97—47.56.  
 Morley, Frederick W. W., to Rolls-Royce Ltd. 2,706,125, Cl. 287—62.  
 Morley, Frederick W. W., and B. H. Urmston, to Rolls-Royce Ltd. 2,709,338, Cl. 60—39.32.  
 Morley, Frederick W. W., and E. Freeland-Upshall, to Rolls-Royce Ltd. 2,712,727, Cl. 60—39.09.  
 Morley, Harry L.: *See*—  
   Anderson, Henry A., Eadie, and Morley. 2,699,656.  
 Morley, Herbert F. 2,717,088, Cl. 214—16.1.  
 Morner, Richard R.: *See*—  
   Mowry, David T., and Morner. 2,723,260.  
 Morner, Richard R., and R. I. Longley, Jr., to Monsanto Chemical Co. 2,717,886, Cl. 260—78.5.  
 Morningstar, Ralph E., to Olin Mathieson Chemical Corp. 2,728,638, Cl. 23—203.  
 Morowitz, Harold J.: *See*—  
   Broida, Herbert P., and Morowitz. 2,708,387.  
 Morphett, Everett C. 2,705,551, Cl. 192—4.  
 Morphew, Clarence E., and D. M. Adams, to General Motors Corp. 2,700,725, Cl. 240—7.1.  
 Morphis, Jehu, and E. Samuel, to L. S. Taylor, d. b. a. J. Y. Taylor Co. 2,717,530, Cl. 88—24.  
 Morphy Richards Ltd.: *See*—  
   Russell, William M. 2,701,293.  
 Morphy-Richards Ltd.: *See*—  
   Russell, William M. 2,727,131.  
 Morrell, Charles E., J. Stewart, and C. S. Carlson, to Esso Research and Engineering Co. 2,706,707, Cl. 202—39.5.  
 Morrell, Charles E., and P. V. Smith, Jr., to Esso Research and Engineering Co. 2,722,498, Cl. 196—14.  
 Morrell, Jacques C. 2,698,836, Cl. 252—78.  
 Morrell, Jacques C. 2,713,560, Cl. 252—435.  
 Morrell, James N. 2,724,978, Cl. 74—425.  
 Morren, Henri, to Union Chimique Belge Société Anonyme. 2,709,169, Cl. 260—268.  
 Morrill, Byron S. 2,711,310, Cl. 263—19.  
 Morrill, Charles D.: *See*—  
   Baum, Richard V., and Morrill. 2,710,348.  
 Morrill, Frank B., to James Hunter Machine Co. 2,701,717, Cl. 271—2.3.  
 Morrill, Frank B., and J. E. Woodworth, to James Hunter Machine Co. 2,709,270, Cl. 15—89.  
 Morrill, Harry L., Jr. 2,728,539, Cl. 244—114.  
 Morrill, Henry L., to Monsanto Chemical Co. 2,716,094, Cl. 260—41.  
 Morrill, Henry L., to Monsanto Chemical Co. 2,717,884, Cl. 260—33.2.  
 Morrill, Melvin A.: *See*—  
   Cooley, Morris R., and Morrill. 2,722,799.  
 Morris, Burton S.: *See*—  
   Kessler, Herman, and Morris. 2,724,531.  
 Morris, Charles W., to Doak Aircraft Co., Inc. 2,705,053, Cl. 183—2.5.  
 Morris, Charles W., and R. W. Jensen, to The Garrett Corp. 2,723,615, Cl. 98—1.5.  
 Morris, Clifford M.: *See*—  
   Busby, John W., and Morris. 2,726,346.  
 Morris, Curtis T., and T. E. Coners, to Outboard Marine & Mfg. Co. 2,719,396, Cl. 56—25.4.  
 Morris, Daniel L., to Food, Chemical and Research Laboratories, Inc. 2,700,672, Cl. 260—319.  
 Morris, David F.: *See*—  
   Sellers, Robert E., and Morris. 2,701,182.  
 Morris Development Co.: *See*—  
   Morris, Donald W. 2,720,794.  
   Morris, Donald W. 2,720,871.  
 Morris, Donald W., to Morris Development Co. 2,720,794, Cl. 74—580.  
 Morris, Donald W., to Morris Development Co. 2,720,871, Cl. 123—41.38.  
 Morris, Frank A., to Stromberg-Carlson Co. Re. 24,053, Cl. 250—36.  
 Morris, Frank A., to General Dynamics Corp. 2,719,225, Cl. 250—27.  
 Morris, George O. 2,711,361, Cl. 23—14.5.  
 Morris, Harry C. 2,707,540, Cl. 192—45.1.  
 Morris, Henry L. 2,726,459, Cl. 34—205.  
 Morris, John M. 2,715,426, Cl. 145—33.  
 Morris, John N.: *See*—  
   Isreeli, Jack, and Morris. 2,720,344.  
 Morris, John N., and L. G. Dawson, to The S. U. Carburetter Co. Ltd., and Rolls-Royce Ltd. 2,719,035, Cl. 264—21.  
 Morris, John P., to Modern Railway Devices, Inc. Re. 24,014, Cl. 308—89.  
 Morris, Joseph L. 2,716,878, Cl. 66—120.  
 Morris, Lloyd P., and W. J. Czuj, to Motorola, Inc. 2,705,281, Cl. 250—17.  
 Morris, Michael J.: *See*—  
   Jaffe, Adolf S., and Morris. 2,722,064.  
 Morris, Milo W. 2,720,055, Cl. 47—1.  
 Morris Motors Ltd.: *See*—  
   Daniels, William J. 2,711,345.  
   Ramsay, Thomas W. 2,718,678.  
   Ramsay, Thomas W. 2,724,877.  
 Morris, Nathan K. 2,721,999, Cl. 1—4.  
 Morris, Owen. 2,725,038, Cl. 120—42.03.  
 Morris Paper Mills: *See*—  
   Arneson, Edwin L. 2,700,486.  
   Arneson, Edwin L. 2,703,198.  
   Arneson, Edwin L. 2,717,097.  
   Arneson, Edwin L. 2,717,098.  
   Clarke, John D. 2,712,382.  
 Morris, Ramiel. 2,709,121, Cl. 312—38.  
 Morris, Rupert C.: *See*—  
   Conklin, George W., and Morris. 2,707,714.  
   Harman, Denham, Morris, Watson, and Diamond. 2,725,359.  
   Van Winkle, John L., Bell, and Morris. 2,712,029.  
 Morris, Rupert C., and F. J. Watson, to Shell Development Co. 2,706,194, Cl. 260—247.  
 Morris, Rupert C., and J. L. Van Winkle, to Shell Development Co. 2,710,301, Cl. 260—461.  
 Morris, Rupert C., J. L. Van Winkle, and H. H. Wyrick, to Shell Development Co. 2,714,064, Cl. 71—2.3.  
 Morris, Rupert C., and J. L. Van Winkle, to Shell Development Co. 2,719,860, Cl. 260—448.8.  
 Morris, Rupert C., and V. W. Buls, to Shell Development Co. 2,724,643, Cl. 71—2.6.  
 Morris, Rupert C., and J. L. Van Winkle, to Shell Development Co. 2,726,256, Cl. 260—461.  
 Morris, Rupert C., and J. L. Van Winkle, to Shell Development Co. 2,728,789, Cl. 260—461.  
 Morris, Rupert C., and J. L. Van Winkle, to Shell Development Co. 2,728,806, Cl. 260—772.  
 Morris, Thomas C., and E. A. Chandler, to B. B. Chemical Co. 2,700,625, Cl. 117—104.  
 Morris, Thomas C., and A. M. Chaplick, to B. B. Chemical Co. 2,723,934, Cl. 154—100.  
 Morrison, Albert R., to Owens-Corning Fiberglas Corp. 2,703,774, Cl. 154—128.  
 Morrison, Albert R., to Owens-Corning Fiberglas Corp. 2,723,208, Cl. 117—126.  
 Morrison, Charles T. F., to Coldcargo Corp. 2,702,183, Cl. 257—3.  
 Morrison Co., The: *See*—  
   French, Henry C. 2,722,892.  
 Morrison, David, to Paragon Electric Co. 2,700,077, Cl. 200—38.  
 Morrison, Frederick T.: *See*—  
   Albers, Heinrich B., and Morrison. 2,722,144.  
 Morrison, George L. 2,704,410, Cl. 41—24.  
 Morrison, James L. D., to V-M Corp. 2,712,943, Cl. 274—42.  
 Morrison, James L. D. 2,726,467, Cl. 40—35.  
 Morrison, John. 2,716,309, Cl. 46—1.  
 Morrison, John M.: *See*—  
   Austin, Herbert F., Jr., Konigsberg, Morrison, and Campins. 2,716,617.  
 Morrison, Lemuel P. 2,719,908, Cl. 240—54.  
 Morrison, Montford, to Ritter Co., Inc. 2,723,610, Cl. 95—89.  
 Morrison, Orval M. 2,708,422, Cl. 119—103.  
 Morrison Products, Inc.: *See*—  
   Galaba, Alexander. 2,722,464.  
 Morrison, Robert A.: *See*—  
   Evans, William M., and Morrison. 2,708,985.  
 Morrison, Robert B., to E. H. Sheldon & Co. 2,704,505, Cl. 98—115.  
 Morrison, Stuart: *See*—  
   Johnson, Frederick, and Morrison. 2,704,310.  
 Morrison, Thomas E. 2,706,054, Cl. 214—16.1.  
 Morrison, Thomas J., Jr., and P. Galvanek, Jr., to American Cyanamid Co. 2,710,924, Cl. 250—52.  
 Morrison, Warren E., ½ to L. Pinomaki. 2,713,159, Cl. 340—279.  
 Morrison, Wendell C., to Radio Corp. of America. 2,714,704, Cl. 332—11.  
 Morrison, Wilbert H.: *See*—  
   Schaefer, Ralph A., and Morrison. 2,715,252.  
 Morrison, Willard L., to Union Stock Yards & Transit Co. 2,705,406, Cl. 62—123.  
 Morrison, Willard L., to Union Stock Yards & Transit Co. 2,705,678, Cl. 99—194.  
 Morrison, Willard L. 2,707,337, Cl. 34—57.  
 Morrison, Willard L. 2,707,338, Cl. 34—57.  
 Morrison, Willard L., to Union Stock Yards & Transit Co. 2,707,377, Cl. 62—1.  
 Morrison, Willard L., to The Union Stock Yard and Transit Co. of Chicago. 2,722,311, Cl. 206—46.  
 Morrison, Willard L. 2,722,809, Cl. 62—116.  
 Morrison, William E.: *See*—  
   Doty, Archibald C., Jr., and Morrison. 2,703,556.  
 Morrisroe, John J., to Purex Corp., Ltd. 2,703,788, Cl. 252—161.



- Morrissey, Patrick W.: *See*—  
Richardson, Martin A., and Morrissey. 2,701,945.
- Morrissey, Richard T.: *See*—  
Crawford, Richard A., and Morrissey. 2,720,479.
- Morrissey, Richard T., and H. J. Weiss, to The B. F. Goodrich Co. 2,700,997, Cl. 152—330.
- Morrow, Charles T., to The Sperry Corp. 2,701,337, Cl. 324—68.
- Morrow, Earl, to Bausch & Lomb Optical Co. 2,715,224, Cl. 2—14.
- Morrow, Walker C.: *See*—  
Sims, Edgar H., and Morrow. 2,711,180.
- Morrow, Walker C. 2,702,596, Cl. 160—354.
- Morsch, Jesse J. 2,725,671, Cl. 46—137.
- Morschel, Albert J., to Liquidvision Gauge and Control Corp. 2,707,395, Cl. 73—313.
- Morschel, Heinrich, and K. Wedemeyer, to Farbenfabriken Bayer Aktiengesellschaft. 2,726,238, Cl. 260—160.
- Morse Chain Co.: *See*—  
Riopelle, Earl F., and Bremer. 2,725,755.
- Morse, Elliott M.: *See*—  
Hollman, Edward G., Morse, and Bone. 2,727,083.
- Morse, Glenn B. 2,717,632, Cl. 155—125.
- Morse Instrument Co., The: *See*—  
Waner, Donald W. 2,706,417.
- Morse, John F. 2,702,615, Cl. 192—096.
- Morse, John F. 2,704,001, Cl. 81—15.
- Morse, John F. 2,705,485, Cl. 123—179.
- Morse, John F. 2,706,494, Cl. 138—57.
- Morse, Ronald W.: *See*—  
Heaton, Walter H., and Morse. 2,714,734.
- Morse, Shirley P.: *See*—  
Frisbie, Marshall H., and Morse. 2,716,269.
- Morse Signal Devices: *See*—  
Ward, Leslie A. 2,699,541.
- Morse, Leslie A. 2,704,840.
- Morsegraph Inc.: *See*—  
Hand, Leslie T. 2,703,238.
- Morsey, Charles J.,  $\frac{1}{2}$  to F. Middlestadt. 2,720,843, Cl. 103—161.
- Mortimer, Frank R.: *See*—  
Dewar, Douglas, and Mortimer. 2,723,090.
- Mortlock, Alfred: *See*—  
MacMullan, John S. M., and Mortlock. 2,706,776.
- Morton, Avery A., to Penobscot Chemical Fibre Co. 2,699,998, Cl. 106—123.
- Morton, Evans T., to Admiral Corp. 2,704,441, Cl. 62—4.
- Morton, Evans T., to The Admiral Corp. 2,720,089, Cl. 62—103.
- Morton, Evans T., to Admiral Corp. 2,727,361, Cl. 62—3.
- Morton Machine Co. Ltd.: *See*—  
Thomson, William, Leith, and Hepburn. 2,722,405.
- Morton, Robert L., Jr.: *See*—  
Bubb, Frank W., and Morton. 2,709,079.
- Morton Salt Co.: *See*—  
Diamond, Horace W. Re. 24,090.
- Warren, Robert P. 2,712,892.
- Morton, Stanley. 2,727,368, Cl. 64—11.
- Morton, Thomas R. 2,701,056, Cl. 209—144.
- Morway, Arnold J.: *See*—  
Mikeska, Louis A., and Morway. 2,712,527.
- Mikeska, Louis A., and Morway. 2,719,124.
- Morway, Arnold J., to Esso Research and Engineering Co. 2,719,122, Cl. 252—40.
- Morway, Arnold J., and W. H. Brugmann, Jr., to Esso Research and Engineering Co. 2,710,838, Cl. 252—41.
- Morway, Arnold J., D. W. Young, and D. L. Cottle, to Esso Research and Engineering Co. 2,723,957, Cl. 252—42.
- Mosaic Tile Co., The: *See*—  
Gale, Kenneth M. 2,715,289.
- Mosberg, Abraham. 2,705,930, Cl. 112—77.
- Mosby, George A. 2,714,873, Cl. 119—109.
- Mosebach, Carl H. 2,711,315, Cl. 267—65.
- Moseley, James T. W.: *See*—  
Carlson, Harold A., and Moseley. 2,715,522.
- Moseley, James T. W., and H. A. Carlson, to Carter Carburetor Corp. 2,711,885, Cl. 261—51.
- Moseley, James T. W., and H. A. Carlson, to Carter Carburetor Corp. 2,715,523, Cl. 261—72.
- Moseman, John W., Jr., to the United States of America as represented by the Secretary of the Army. 2,705,921, Cl. 102—78.
- Mosen, Adolph: *See*—  
Mosen, Boris W. and A. 2,712,132.
- Mosen, Boris W. and A. 2,712,132, Cl. 2—67.
- Moser, Eduard: *See*—  
Ruegg, Rudolf, Buehler, and Moser. 2,715,120.
- Schmid, Max, and Moser. 2,700,037.
- Moser, Ernest. 2,716,403, Cl. 125—30.
- Moser, Frank B.: *See*—  
Spurlino, Pascal, Moser, Wheeler, and Struve. 2,698,715.
- Moser, Irving S., to Esso Research and Engineering Co. 2,726,755, Cl. 203—340.
- Moser, Marietta A. 2,718,923, Cl. 160—348.
- Moser, Marietta A. 2,727,565, Cl. 155—182.
- Moser, Otto. 2,712,036, Cl. 178—17.
- Moses, Charles J. 2,718,116, Cl. 60—39.71.
- Moses, Douglas V.: *See*—  
Perry, Luther C., McKane, and Moses. 2,699,384.
- Moses, Douglas V., to E. I. du Pont de Nemours and Co. 2,716,598, Cl. 48—206.
- Moses, Edmund Q. 2,704,067, Cl. 128—90.
- Moses, Graham L., to Westinghouse Electric Corp. 2,722,616, Cl. 310—54.
- Moses, Harry. 2,720,206, Cl. 132—41.
- Moses, Robert C., to Sylvania Electric Products Inc. 2,710,310, Cl. 178—7.3.
- Moses, William J., and A. Schmelitsch. 2,702,714, Cl. 280—505.
- Mosher, Edward, to Wald Industries, Inc. Re. 24,008, Cl. 299—28.5.
- Mosher, James K., to Schulz Tool and Mfg. Co. 2,699,316, Cl. 251—35.
- Mosher, Richard K., to the United States of America as represented by the Secretary of the Air Force. 2,726,039, Cl. 235—61.
- Mosher, Robert A., to Standard Oil Co. 2,725,374, Cl. 260—94.3.
- Mosinee Paper Mills Co.: *See*—  
Crandall, Henry C. 2,699,389.
- Moskovitz, Milton A.,  $\frac{1}{2}$  to H. Frankel. 2,707,645, Cl. 287—90.
- Moskovitz, Milton A.,  $\frac{1}{2}$  to H. Frankel. 2,711,919, Cl. 288—2.
- Moskow, Eugene D.: *See*—  
Elliott, Harry E., and Moskow. 2,727,761.
- Mosler, Arthur R., to The Mosler Safe Co. 2,699,372, Cl. 346—22.
- Mosler Safe Co., The: *See*—  
Bremer, Frederick J. 2,728,215.
- Mosler, Arthur R. 2,699,372.
- Roberts, Cecil L. 2,701,093.
- Mosley, John H.: *See*—  
Holstebro, Kaye B., Ardell, and Mosley. 2,728,177.
- Mosnier, Michel M., and A. Fournet, to Societe des Usines Chimiques Rhone-Poulenc. Re. 24,036, Cl. 260—610.
- Moss, Charles W. 2,717,008, Cl. 139—336.
- Moss, Ennis E.,  $\frac{1}{4}$  to E. E. Moss, Jr.,  $\frac{1}{4}$  to J. P. Moss, and  $\frac{1}{4}$  to H. G. Moss. 2,704,862, Cl. 19—67.
- Moss, Ennis E., Jr.: *See*—  
Moss, Ennis E. 2,704,862.
- Moss, Frank J., to Rena Bell Hardman. 2,712,161, Cl. 18—58.7.
- Moss, Hoyle G.: *See*—  
Moss, Ennis E. 2,704,862.
- Moss, James P.: *See*—  
Moss, Ennis E. 2,704,862.
- Mossberg, Bengt J. Y., to Aktiebolaget Statens Skogsindustrier. 2,721,505, Cl. 92—40.
- Mossberg, Bengt J. Y., and E. H. B. Nyström, to Aktiebolaget Statens Skogsindustrier. 2,721,504, Cl. 92—39.
- Mosshart, Crockett: *See*—  
Howe, Harold S., Hindin, and Mosshart. 2,728,612.
- Mosso, Angelo: *See*—  
Giacosa, Dante, and Mosso. 2,726,857.
- Mossor, George L. 2,703,134, Cl. 155—1.
- Mostofsky, David, and A. Sandow, to the United States of America as represented by the Secretary of the Navy. 2,713,120, Cl. 250—27.
- Motch & Merryweather Machinery Co., The: *See*—  
Papp, Louis S. 2,714,935.
- Mothes, Werner: *See*—  
Zutavern, Philipp, Gempp, and Mothes. 2,712,018.
- Motis, Gilbert M., to Northrop Aircraft, Inc. 2,710,974, Cl. 3—12.6.
- Motiuk, Kalmen: *See*—  
Conrad, Lester I., and Motiuk. 2,725,334.
- Moto Guzzi Società per Azioni: *See*—  
Gianini, Carlo. 2,706,976.
- Moto-Mower Co., The: *See*—  
Blydenburgh, Harold L. 2,706,372.
- Blydenburgh, Harold L. 2,721,348.
- O'Maley, Claude V. 2,721,438.
- Motorola, Inc.: *See*—  
Bergan, Kenneth N. 2,704,362.
- Cado, Erwin E. 2,728,693.
- Doremus, John A., and Crow. 2,710,378.
- Dyke, Edwin. 2,699,548.
- Hill, Fred P. 2,698,907.
- Magnuski, Henry, and Steen. 2,699,495.
- Magnuski, Henry, and Ross. 2,699,496.
- Magnuski, Henry. 2,713,664.
- Morris, Lloyd P., and Czuj. 2,705,281.
- Nero, Leroy W. 2,713,612.
- Nieter, Temple. 2,699,424.
- Nieter, Temple. 2,699,425.
- Nieter, Temple. 2,708,417.
- Parker, Norman W. 2,713,649.
- Salners, Edward A., Setser, and Zahradka. 2,720,876.
- Schlesinger, Kurt. 2,706,220.
- Schlesinger, Kurt. 2,708,687.
- Schlesinger, Kurt. 2,713,610.
- Schlesinger, Kurt. 2,713,611.
- Schlesinger, Kurt. 2,718,546.
- Smardo, Frank. 2,713,492.
- Wallin, Gus W. 2,705,288.
- Winkler, Marion R. 2,710,341.
- Yoder, Raymond S., and Smith. 2,718,623.
- Zimmerman, Jack J. 2,728,890.



Motor Products Corp.: *See*—

Anderson, Florence B. 2,720,758.  
 Anderson, Florence B., and Konefes. 2,707,808.  
 Cope, Rodolph D. 2,710,110.  
 Eck, Floyd R. 2,702,639.  
 Eck, Floyd R. 2,703,353.  
 Eck, Floyd R. 2,708,052.  
 Eck, Floyd R. 2,711,871.  
 Konefes, Joseph H. 2,711,839.  
 Lootens, Ralph H. 2,719,905.  
 McGregor, Ralph. 2,708,832.  
 Schweitzer, Louis. 2,718,664.  
 Whitmore, Harland W. 2,715,976.  
**Motor Wheel Corp.: *See*—**  
 Huntley, Frederick H. 2,721,915.  
 Stough, Charles R. 2,698,566.  
 Van Halteren, Andrew S. 2,722,290.  
 Motsinger, Armard V. 2,709,441, Cl. 131—186.  
 Mott, Carl W., to International Harvester Co. 2,705,861, Cl. 56—249.  
 Mott, Carl W., to The Kendall Co. 2,709,836, Cl. 19—144.5.  
 Mott, Carl W. 2,711,067, Cl. 56—289.  
 Mott, Carl W., to The Kendall Co. 2,716,259, Cl. 19—144.5.  
 Mott, Carl W., to The Kendall Co. 2,716,408, Cl. 128—296.  
 Mott, Frederick M.: *See*—  
 Bradbury, Frederick J., and Mott. 2,713,850.  
 Mott, John H.: *See*—  
 Schafroth, Werner, and Mott. 2,722,001.  
 Mottais, Jean: *See*—  
 Chanrion, Julien, and Mottais. 2,725,895.  
 Mottern, Henry O., to Standard Oil Development Co. 2,700,690, Cl. 260—676.  
 Mottern, Henry O., and W. C. Harney, to Esso Research and Engineering Co. 2,711,388, Cl. 202—53.  
 Mottet, Arthur L., to The Long-Bell Lumber Co. 2,700,177, Cl. 18—4.  
 Mottet, Arthur L., T. E. Heppenstall, and W. R. Kletsch, to The Long-Bell Lumber Co. 2,710,276, Cl. 154—118.  
 Mottley, Thomas P., and J. M. Reynolds. 2,701,876, Cl. 343—100.  
 Mottram, Anthony W. T.: *See*—  
 Andrews, Edward G. D., and Mottram. 2,701,445.  
 Mottu, André, to Societe Genevoise d'Instruments de Physique. 2,717,522, Cl. 74—409.  
 Motz, Roy A.: *See*—  
 Hampshire, William J., Coomes, and Motz. 2,722,962.  
 Moubayed, Esber E. 2,715,981, Cl. 222—209.  
 Moubis, Jozef H. A.: *See*—  
 Penning, Frans M., Jurriaanse, and Moubis. 2,701,849.  
 Mouchel, L. G., & Partners, Ltd.: *See*—  
 Richards, Charles H. 2,728,565.  
 Moulin, Augustin R. 2,713,966, Cl. 229—87.  
 Moul, Eric S.: *See*—  
 Halford, Frank B., Moul, and Arscott. 2,726,508.  
 Moulton, Joseph D., to Thomas A. Edison, Inc. 2,727,080, Cl. 136—24.  
 Moulton, L. R., Co., Inc.: *See*—  
 Nichols, Frederick S. 2,708,479.  
 Moulton, Linden L. 2,717,477, Cl. 51—36.  
 Mounce, Whitman D.: *See*—  
 Buckley, Stuart E., and Mounce. 2,708,155.  
 Buckley, Stuart E., and Mounce. 2,725,282.  
 Mounce, Whitman D., J. H. Dunaway, and M. C. Terry, to Esso Research and Engineering Co. 2,725,283, Cl. 23—253.  
 Mt. Baker Plywood, Inc.: *See*—  
 Gilbertson, Chester R. 2,712,840.  
 Mount Hope Machinery Co.: *See*—  
 Broomfield, John. 2,713,191.  
 Mount Sinai Hospital Research Foundations, Inc.: *See*—  
 Sobotka, Harry H. 2,726,244.  
 Mount, Wadsworth W. 2,709,889, Cl. 60—35.6.  
 Mount, Wadsworth W. 2,709,895, Cl. 60—49.  
 Mountain, John J. 2,709,831, Cl. 16—93.  
 Mourfield, Carl L. 2,699,703, Cl. 88—24.  
 Mourfield, Carl L. 2,718,172, Cl. 88—24.  
 Mousel, Canellen K. 2,715,866, Cl. 98—2.  
 Mouton, Robert F. 2,728,673, Cl. 99—78.  
 Mouttet, Leon. 2,715,334, Cl. 73—161.  
 Mouw, Andrew, to No-Sag Spring Co. 2,710,648, Cl. 155—179.  
 Mouzon, James C., to Minneapolis-Honeywell Regulator Co. 2,724,040, Cl. 219—20.  
 Mowat, Benona C. 2,712,396, Cl. 220—85.  
 Mowery, Jesse R., Jr., to De Walt Inc. 2,700,115, Cl. 310—57.  
 Mowry, David T.: *See*—  
 Schlesinger, Arthur H., and Mowry. 2,723,191.  
 Mowry, David T., and R. R. Morner, to Monsanto Chemical Co. 2,723,260, Cl. 260—85.5.  
 Mowry, Lorenz J., to Gregory Industries, Inc. 2,727,971, Cl. 219—8.  
 Moxley, Melvin F.: *See*—  
 Eisler, Arthur J., and Moxley. 2,715,918.  
 Moxon, George, (Mining) Ltd.: *See*—  
 Moxon, James E. 2,723,104.  
 Moxon, James E.,  $\frac{1}{2}$  to George Moxon (Mining) Ltd. 2,723,104, Cl. 254—112.  
 Moyer, Harris P., to A. O. Smith Corp. 2,719,207, Cl. 219—4.  
 Moyer, James H., to The Columbus Dental Mfg. Co. 2,722,053, Cl. 32—5.  
 Moyer, Ray W. 2,703,713, Cl. 273—131.  
 Moyle, Leigh L. 2,728,520, Cl. 235—22.  
 Moynahan Bronze Co.: *See*—  
 Cudini, Roger G. 2,700,441.  
 Moynihan, Thomas F., and P. Gau. 2,727,650, Cl. 220—24.

Moyroud, Louis: *See*—

Caldwell, Samuel H., Higonet, and Moyroud. 2,699,859.  
 Moyroud, Louis, and R. Higonet, to Graphic Arts Research Foundation, Inc. 2,715,862, Cl. 95—4.5.  
 Mucchi, Leonardo. 2,725,760, Cl. 74—585.  
 Mucci, Pat. 2,725,184, Cl. 230—254.  
 Muccilli, Raphael P.: *See*—  
 Antoni, Giuseppe. 2,723,338.  
 Mucher, George J., to Clarostat Mfg. Co., Inc. 2,702,223, Cl. 311—109.  
 Mucher, George J., to Clarostat Mfg. Co., Inc. 2,706,760, Cl. 201—55.  
 Mucher, George J., to Clarostat Mfg. Co., Inc. 2,712,583, Cl. 201—55.  
 Mucher, George J., to Clarostat Mfg. Co., Inc. 2,722,585, Cl. 201—55.  
 Muckenfuss, Charles, to "Automatic" Sprinkler Corp. of America. 2,713,916, Cl. 169—19.  
 Muckler, Jack B., to Collins Radio Co. 2,719,279, Cl. 339—177.  
 Mucznski, Henry: *See*—  
 Stiglmeier, Donald M., Mucznski, and Penney. 2,726,343.  
 Muddiman, Earl R., to United States Steel Corp. 2,725,137, Cl. 198—33.  
 Mudersbach, Ernst H., to Svenska Rotor Maskiner Aktiebolaget. 2,726,849, Cl. 257—6.  
 Muehling, Anthony A. 2,728,363, Cl. 143—132.  
 Muehling, Anthony A. 2,728,364, Cl. 144—1.  
 Mueller, Adalbert C., and C. E. Adams, to The Denison Engineering Co. 2,718,683, Cl. 25—23.  
 Mueller, Albert C.: *See*—  
 Bradley, Theodore F., Mueller, and Shokal. 2,700,036.  
 Mueller, Carl H.: *See*—  
 Klein, Victor G., and Mueller. 2,704,678.  
 Klein, Victor G., and Mueller. 2,728,578.  
 Mueller, Carl H., L. C. Rotter, and R. F. Schneller, to Lincoln Engineering Co. 2,715,454, Cl. 184—7.  
 Mueller Co.: *See*—  
 Mueller, Frank H. 2,703,987.  
 Mueller, Frank H. 2,704,104.  
 Mueller, Frank H. 2,708,096.  
 Mueller, Frank H., and Bowan. 2,709,606.  
 Mueller, Frank H., Tinker, and Rhodes. 2,710,163.  
 Mueller, Emil H., to Electronics Corp. of America. 2,728,835, Cl. 201—63.  
 Mueller, Ervin H. 2,711,191, Cl. 137—625.32.  
 Mueller, Ervin H. 2,723,102, Cl. 251—96.  
 Mueller, Eugen, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,700,660, Cl. 260—80.5.  
 Mueller, Frank H., to Mueller Co. 2,703,987, Cl. 74—413.  
 Mueller, Frank H., to Mueller Co. 2,704,104, Cl. 153—73.  
 Mueller, Frank H., to Mueller Co. 2,708,096, Cl. 251—309.  
 Mueller, Frank H., and W. J. Bowan, to Mueller Co. 2,709,606, Cl. 285—118.  
 Mueller, Frank H., E. E. Tinker, and R. L. Rhodes, to Mueller Co. 2,710,163, Cl. 251—85.  
 Mueller, Fritz W. H.: *See*—  
 Eckler, Leopold, and Mueller. 2,710,256.  
 Mueller, Fritz W. H., to General Aniline & Film Corp. 2,699,391, Cl. 95—7.  
 Mueller, George P., to G. D. Searle & Co. 2,714,592, Cl. 260—239.5.  
 Mueller, George P., to G. D. Searle & Co. 2,720,524, Cl. 260—239.5.  
 Mueller, Hans,  $\frac{1}{2}$  to R. H. Rines. 2,707,749, Cl. 250—7.  
 Mueller, Hans F.,  $\frac{1}{8}$  to M. Selig. 2,728,499, Cl. 223—94.  
 Mueller, Homer L., to The Cleveland Welding Co. 2,710,207, Cl. 287—58.  
 Mueller, John C.: *See*—  
 Zylstra, John J., and Mueller. 2,709,997.  
 Mueller, Joseph J. 2,713,844, Cl. 116—119.  
 Mueller, Leonard J., and J. R. Bach, to The Falk Corp. 2,698,469, Cl. 22—216.  
 Mueller, Max B., to Allied Chemical & Dye Corp. 2,723,272, Cl. 260—295.  
 Mueller, Otto. 2,708,412, Cl. 103—51.  
 Mueller, Otto. 2,722,946, Cl. 137—620.  
 Mueller, Otto. 2,723,574, Cl. 78—48.  
 Mueller, Robert H.: *See*—  
 Dauber, Louis, Mueller, and Fell. 2,708,682.  
 Mueller, Robert H., to Esso Research and Engineering Co. 2,728,804, Cl. 260—683.15.  
 Mueller, Rudolph R. 2,705,451, Cl. 99—341.  
 Mueller, Walter V. 2,722,018, Cl. 9—8.  
 Muench, Carl G., to The Celotex Corp. 2,728,685, Cl. 117—25.  
 Muenchow, John F. 2,713,220, Cl. 37—155.  
 Muenger, James R.: *See*—  
 Barber, Everett M., Muenger, and Villforth. 2,713,790.  
 Muettterties, Earl L.: *See*—  
 Farlow, Mark W., and Muettterties. 2,709,186.  
 Farlow, Mark W., and Muettterties. 2,709,187—2,709,191.  
 Farlow, Mark W., and Muettterties. 2,722,559.  
 Farlow, Mark W., and Muettterties. 2,725,410.  
 Muettterties, Earl L., to E. I. du Pont de Nemours and Co. 2,709,184, Cl. 260—653.  
 Muettterties, Earl L., to E. I. du Pont de Nemours and Co. 2,709,185, Cl. 260—653.  
 Muffly, Glenn. 2,709,343, Cl. 62—103.  
 Mugler, Charles M. 2,699,978, Cl. 311—92.  
 Mugler, Charles M., to Rol-Fol Table, Inc. 2,708,961, Cl. 155—124.  
 Mühlbeyer, Josef, to Merz-Werke-Gebrüder Merz. 2,720,300, Cl. 192—105.



- Muhmer, Kurt, to International Standard Electric Corp. 2,705,602, Cl. 243—29.
- Muirhead & Co., Ltd.: *See*—  
Bell, John, 2,726,382.
- Muirhead, Donald A., 2,726,785, Cl. 220—52.
- Muirhead, Samuel A., 2,700,916, Cl. 88—23.
- Muirheid, Ralph E., 2,698,954, Cl. 15—132.
- Mulcahy, Harry W., to W. H. Miner, Inc. 2,700,477, Cl. 213—45.
- Mulcahy, Harry W., to W. H. Miner, Inc. 2,715,967, Cl. 213—32.
- Mulder, Albertus J., and W. C. B. Smithuysen, to Shell Development Co. 2,718,456, Cl. 23—139.
- Mulder, Hendrik W. S.: *See*—  
Lanfers, Hero H., Brugge, and Mulder. 2,713,138.  
Lanfers, Hero H., ter Brugge, and Mulder. 2,727,202.
- Muldoon, Thomas J.: *See*—  
Couch, Robert D., and Muldoon. 2,699,672.
- Mulhall, John P., to I. Rubin. 2,714,251, Cl. 31—22.
- Mulkey, Lee J., 2,714,377, Cl. 124—24.
- Mull, Robert P., to Ciba Pharmaceutical Products, Inc. 2,711,421, Cl. 260—455.
- Mullan, Daniel, T. F. May, and H. Bauer, to Westinghouse Electric Corp. 2,720,690, Cl. 29—25.19.
- Mullaney, Ralph A., to Zenith Radio Corp. 2,701,721, Cl. 274—10.
- Mullarkey, Alfred J., to International Standard Electric Corp. 2,701,301, Cl. 246—247.
- Mulleavey, Daniel J.: *See*—  
Sorrell, Donald W., 2,724,133.  
Sorrell, Donald W., 2,724,319.
- Mullen, James W., II, and J. B. Fenn, to Chemical Construction Corp. 2,722,553, Cl. 260—606.
- Mullen, Melvin Z., 2,722,086, Cl. 49—84.
- Mullen, Thomas W., 2,725,663, Cl. 43—131.
- Mullen, Thomas W., 2,725,664, Cl. 43—131.
- Mullen, Thomas W., 2,725,666, Cl. 43—131.
- Mullen, Thomas W., and T. W. Mullen, Jr. 2,725,665, Cl. 43—131.
- Mullen, Thomas W., Jr.: *See*—  
Mullen, Thomas W., and T. W. Mullen, Jr. 2,725,665.
- Mullen, William G., to A. B. Dick Co. 2,721,815, Cl. 117—156.
- Muller, Albert, to Air Reduction Co., Inc. 2,727,125, Cl. 219—10.
- Muller-Brusch & Co.: *See*—  
Steiner, Heinrich. 2,724,851.
- Muller, Charles F.: *See*—  
Bender, Frank M., and Muller. 2,704,871.
- Muller, Donald C., to A. J. Bayer Co. 2,705,073, Cl. 209—125.
- Muller, Egon N., 2,700,068, Cl. 179—15.
- Muller, Ernst F., to The Jeffrey Mfg. Co. 2,718,380, Cl. 255—46.
- Müller, Felix. 2,707,330, Cl. 33—1.
- Muller, George H., to Ford Motor Co. 2,711,797, Cl. 180—79.2.
- Muller, Georges: *See*—  
Velluz, Leon, and Muller. 2,700,674.
- Muller, Hans. 2,715,805, Cl. 51—225.
- Muller, Heinrich. 2,698,497, Cl. 46—106.
- Muller, Heinrich. 2,698,498, Cl. 46—134.
- Müller, Heinrich. 2,723,492, Cl. 46—244.
- Muller, Heinrich, and K. Schwalbach, to Maschinenfabrik Moenus A. G. 2,716,387, Cl. 112—62.
- Muller, Herman. 2,727,512, Cl. 128—214.
- Muller, Herman. 2,727,513, Cl. 128—214.
- Muller, Jacques. 2,703,190, Cl. 222—36.
- Müller, Josef: *See*—  
Nallinger, Friedrich K. H., and Müller. 2,708,003.
- Muller, Josef, and J. Dauben, to Daimler-Benz Aktiengesellschaft. 2,727,409, Cl. 74—700.
- Müller, Paul: *See*—  
Gätzi, Karl, and Müller. 2,724,678.
- Muller, Robert A., to Atlas Plywood Corp. 2,706,063, Cl. 217—43.
- Muller, Siegfried A.: *See*—  
Pheips, Allen S., Muller, and McCormick. 2,700,635.
- Müller, Walter: *See*—  
Kreissig, Ernst, Schaefer, Remfert, Edelmeier, and Müller. 2,705,605.
- Müller, Werner, to Siemens & Halske Aktiengesellschaft. 2,719,935, Cl. 313—243.
- Muller, Werner C., and R. H. Gause, to National Distillers Products Corp. 2,707,164, Cl. 202—39.5.
- Mulligan, Guy H.: *See*—  
Peck, Ray O. 2,714,907.
- Mulligan, Ralph A.: *See*—  
Flood, David W., and Mulligan. 2,719,830.
- Mulligan, Robert J., to Johnson & Johnson. 2,699,275, Cl. 223—49.
- Mullin, Albert J., and D. P. Doll, to National Lead Co. 2,724,636, Cl. 23—117.
- Mullin, Henry A., 2,716,823, Cl. 37—145.
- Mullinix, Charles D.: *See*—  
Heidrich, James K., and Mullinix. 2,705,203.
- Mullins, James E.: *See*—  
Randall, Arthur E. 2,708,905.
- Mullins Mfg. Corp.: *See*—  
Kaul, Ben. 2,713,277.  
Stanitz, Jacques. 2,721,333.  
Stanitz, Jacques, Ullman, and Habe. 2,713,345.  
Stanitz, Jacques, Ullman, and Habe. 2,715,408.
- Mullins, Sidney O., to United States Steel Corp. 2,721,070, Cl. 263—47.
- Mullins, William D., Jr.: *See*—  
Wuerth, John M., Mullins, Smith, Goldberg, and Wilson. 2,713,637.
- Mullins, William D., Jr., and R. E. Smith, to North American Aviation, Inc. 2,726,545, Cl. 73—182.
- Mullins, Winfred J.: *See*—  
Seavey, William H., Jackson, and Mullins. 2,720,423.
- Multanen, William W. 2,724,031, Cl. 200—155.
- Multi-Deck Corp. of America: *See*—  
White, Ellis E. 2,717,428.
- Multi-Deck Parking, Inc.: *See*—  
White, Ellis E. 2,698,974.
- Multiplex Development Corp.: *See*—  
Halstead, William S. 2,709,254.
- Mul-T-Unit Corp.: *See*—  
Gadbois, Ernest T. 2,705,107.
- Mulvaney, John F., and M. O. Shrader, to General Aniline & Film Corp. 2,715,126, Cl. 260—281.
- Mulvanity, Ralph T., O. E. Freed, and A. R. Sabaroff, to the United States of America as represented by the Secretary of the Army. 2,707,528, Cl. 184—1.
- Mulvany, Paul K.: *See*—  
Woodruff, Richard L., Mulvany, and Clayton. 2,716,087.
- Mumford, Albert R.: *See*—  
Armcast, Wilbur H., Mumford, Wehmeyer, and Kutschale. 2,708,981.
- Mumford, William W.: *See*—  
Bowen, Arnold E., and Mumford. 2,701,341.
- Mumford, William W., to Bell Telephone Laboratories, Inc. 2,706,782, Cl. 250—36.
- Mumford, William W., to Bell Telephone Laboratories, Inc. 2,706,784, Cl. 250—36.
- Mumma, Roy H., to The Springfield Machine Tool Co. 2,716,369, Cl. 82—24.
- Mummert, John R., to Angeles Metal Trim Co. 2,725,607, Cl. 20—74.
- Mun, Henry C. 2,726,127, Cl. 311—99.
- Munday, Donald B.: *See*—  
Treadwell, Cyril G., and Munday. 2,719,877.
- Munday, Horace D. 2,711,579, Cl. 30—3.
- Mundt, Louis C., to L. A. Layne. 2,724,442, Cl. 166—225.
- Munekata, Eiji, S. Imamoto, and K. Mihara, to Asahi Chemical Industry Co., Ltd. 2,707,670, Cl. 23—193.
- Munekata, Eiji, and K. Mihara, to Asahi Chemical Industry Co., Ltd. 2,707,671, Cl. 23—197.
- Munford, Theodore W., to Surface Combustion Corp. 2,707,628, Cl. 263—6.
- Mungen, Richard, to Stanolind Oil and Gas Co. 2,721,227, Cl. 260—679.
- Munger, Hamnett P., to The Battelle Development Corp. 2,699,679, Cl. 73—425.2.
- Munger, William P.: *See*—  
Beach, Clarence E., and Munger. 2,704,187.
- Munising Paper Co., The: *See*—  
Hechtman, John F. 2,714,562.
- Muniz, Andres: *See*—  
Imperatore, Thomas, and Muniz. 2,718,766.
- Munn, Charles E.: *See*—  
Hunt, Gerald R. 2,703,423.
- Munn, Joseph E. 2,709,266, Cl. 9—21.
- Munro, Allison G. 2,721,819, Cl. 154—51.
- Munro, Robert. 2,725,754, Cl. 74—18.1.
- Munroe, David J., to Webster Electric Co. 2,721,905, Cl. 179—100.2.
- Munroe, Thomas, to Moraine Box Co. 2,700,457, Cl. 206—46.
- Munsch, Adrian A. 2,700,582, Cl. 311—1.
- Munschauer, Frederick E., to Niagara Machine & Tool Works. 2,708,993, Cl. 192—85.
- Munschauer, Frederick E., to Niagara Machine & Tool Works. 2,722,298, Cl. 192—12.
- Munsey, Herbert H. 2,706,335, Cl. 33—47.
- Munsingwear, Inc.: *See*—  
Rutledge, George E. 2,717,388.
- Munson, Mark. 2,725,558, Cl. 1—47.
- Munson, Whitney K. 2,709,415, Cl. 118—264.
- Munster, Allen C., to Philco Corp. 2,717,358, Cl. 324—68.
- Munster Simms & Co. Ltd.: *See*—  
Eves, Frederick S. 2,707,498.
- Munter, Arch F.: *See*—  
Coppie, David E. 2,712,238.
- Munters, Carl G. 2,723,923, Cl. 117—102.
- Muntz, Frank F. 2,725,625, Cl. 30—34.
- Munyer, Salem E., Jr. 2,709,288, Cl. 24—156.
- Murakami, Tomomi, to Radio Corp. of America. 2,715,211, Cl. 333—82.
- Muraszew, Alexander, to C. A. V. Ltd. 2,713,310, Cl. 103—41.
- Murcek, Slavo J.: *See*—  
Christian, Carl A., and Murcek. 2,717,351.
- Murchison, Bessie F.: *See*—  
Murchison, Blackwell K. 2,709,379.
- Murchison, Blackwell K., deceased; B. F. Murchison, executrix. 2,709,379, Cl. 76—86.
- Murcott, Charles E. 2,722,973, Cl. 155—150.
- Murcott, Charles E. 2,726,875, Cl. 280—41.
- Murdock, Forrest L., Sr., H. D. Boggs, and C. T. Beeson, to Plastic Products Corp. 2,726,009, Cl. 220—80.
- Murdock, Kenneth A. 2,715,778, Cl. 33—97.
- Murdock, Lawrence C., to General Electric Co. 2,711,531, Cl. 343—17.1.
- Murdock, Paul F., to Pratt & Co., Inc. 2,715,850, Cl. 84—236.
- Murdock, Robert W.: *See*—  
Ruebel, Charles, and Murdock. 2,718,578.



- Murfee, Latimer: *See*—  
Barnett, Frederick W., Sumner, and Cashman. 2,727,293.
- Murff, James C. 2,713,226, Cl. 40—156.
- Murphey, Robert L.: *See*—  
Heisig, Theodore C., and Murphey. 2,710,842.
- Murphree, Eger V., to Esso Research and Engineering Co. 2,717,862, Cl. 196—49.
- Murphree, Eger V., and K. K. Kearby, to Esso Research and Engineering Co. 2,721,889, Cl. 260—683.15.
- Murphy, Arthur C.: *See*—  
Murphy, Frank W. and A. C. 2,722,576.
- Murphy Automatic Pinsetter Co., Inc.: *See*—  
Anderson, Frank W. 2,714,508.  
Anderson, Frank W. 2,716,549.
- Murphy, Donald D., to Joy Mfg. Co. 2,725,757, Cl. 74—240.
- Murphy, Donald W., to Bethlehem Steel Co. 2,714,065, Cl. 75—129.
- Murphy, Edwin L. 2,714,203, Cl. 340—216.
- Murphy, Frank: *See*—  
Fielden, Fred, and Murphy. 2,717,124.
- Murphy, Frank, to Republic Patent Corp. 2,701,558, Cl. 124—29.
- Murphy, Frank W. and A. C. 2,722,576, Cl. 200—56.
- Murphy, Harold P., and S. J. Frank, to The Buckeye Ribbon & Carbon Co. 2,728,439, Cl. 197—172.
- Murphy, Howard J., to United-Carr Fastener Corp. 2,705,784, Cl. 339—128.
- Murphy, Howard J., to United-Carr Fastener Corp. 2,718,044, Cl. 24—218.
- Murphy, James F., to Kaiser Aluminum & Chemical Corp. 2,719,079, Cl. 41—42.
- Murphy, James P.: *See*—  
Howey, Walter C. 2,699,720.
- Murphy, John H., to Detroit Duo-Grip Brake Corp. 2,700,437, Cl. 188—76.
- Murphy, John H., to Detroit Duo-Grip Brake Corp. 2,701,627, Cl. 188—76.
- Murphy, John H., to Detroit Duo-Grip Brake Corp. 2,710,675, Cl. 188—76.
- Murphy, John M., to General Motors Corp. 2,724,577, Cl. 257—3.
- Murphy, Joseph E., and M. Schnall, to See-Qual Package Corp. 2,706,038, Cl. 206—45.33.
- Murphy, Joseph E., and M. Schnall, to See-Qual Package Corp. 2,708,027, Cl. 206—45.33.
- Murphy, Joseph E., and M. Schnall, to See-Qual Package Corp. 2,708,028, Cl. 206—45.33.
- Murphy, Joseph E., and M. Schnall, to See-Qual Package Corp. 2,712,383, Cl. 206—45.33.
- Murphy, Joseph W., to Northrop Aircraft, Inc. 2,721,781, Cl. 346—49.
- Murphy, Mary L.: *See*—  
Murphy, Thomas J. 2,706,332.
- Murphy, Norman B., to Bendix Aviation Corp. 2,706,548, Cl. 192—71.
- Murphy, Orlando J.: *See*—  
Lovell, Clarence A., and Murphy. 2,706,223.  
McGuigan, John H., and Murphy. 2,723,312.  
McGuigan, John H., Murphy, and Newby. 2,700,148.
- Murphy, Owen K. 2,717,593, Cl. 128—33.
- Murphy, Owen K. 2,719,769, Cl. 311—7.
- Murphy, Thomas J., deceased; M. L. Murphy, executrix. 2,706,332, Cl. 30—41.
- Murrah, Edmund S.: *See*—  
Hitchcock, John H., and Murrah. 2,699,864.
- Murray, Alan E. 2,699,562, Cl. 12—146.
- Murray, Alan E. 2,701,497, Cl. 84—231.
- Murray, Alan E. 2,705,558, Cl. 206—84.
- Murray, Alan E. 2,712,056, Cl. 240—4.
- Murray, Alan E. 2,714,770, Cl. 36—8.5.
- Murray, Alexander. 2,719,501, Cl. 113—111.
- Murray-American Corp.: *See*—  
Cronan, Walter. 2,710,512.
- Murray, Arthur J., to Rapid-Rap, Inc. 2,701,661, Cl. 220—113.
- Murray, Arthur J. 2,701,938, Cl. 53—7.
- Murray, Cecil W., to George Fletcher & Co. Ltd. 2,717,142, Cl. 249—3.
- Murray Co. of Texas, Inc., The: *See*—  
Wallace, Thomas P. 2,718,669.
- Murray Corp. of America, The: *See*—  
Ammerman, George E. 2,725,029.  
Hedenskoog, Ernest, Norberg, and Johnson. 2,723,123.  
Hendrickson, James M. 2,714,724.  
Holycross, Frank R., Jr. 2,706,298.  
Weimer, Leland S. 2,707,535.  
Wentz, Robert J. 2,722,229.
- Murray, D. J., Mfg. Co.: *See*—  
Dettmering, Norman F., and Miller. 2,712,903.  
Durkee, Clarence L. 2,712,904.
- Murray Deodorisers Ltd.: *See*—  
Murray, Henry L. 2,701,681.
- Murray, Donald M., and N. L. Kusters, to National Research Council. 2,725,522, Cl. 323—47.
- Murray, Ernest E. 2,701,937, Cl. 51—59.
- Murray, Farish C. 2,709,438, Cl. 128—361.
- Murray, Frederick F. 2,699,159, Cl. 123—182.
- Murray, George E. R., to Leeds and Northrup Co. 2,719,264, Cl. 324—97.
- Murray, George H.: *See*—  
Snell, Leonard S., and Murray. 2,715,837.
- Murray, Guy E., to Western Electric Co., Inc. 2,725,354, Cl. 204—140.5.
- Murray, Harry B.: *See*—  
Boerner, Lewis W., Holmes, and Murray. 2,703,146.
- Murray, Henry L., to Murray Deodorisers Ltd. 2,701,681, Cl. 230—103.
- Murray, Henry W.: *See*—  
Abere, Joseph F., Schmelzle, and Murray. 2,725,981.
- Murray, Herbert C., and D. H. Peterson, to The Upjohn Co. 2,702,809, Cl. 260—397.45.
- Murray, Herbert C., and D. H. Peterson, to The Upjohn Co. 2,702,810, Cl. 260—397.45.
- Murray, Herbert C., and D. H. Peterson, to The Upjohn Co. 2,703,326, Cl. 260—397.45.
- Murray, Herbert C., and D. H. Peterson, to The Upjohn Co. 2,703,327, Cl. 260—397.47.
- Murray, Herbert C., and D. H. Peterson, to The Upjohn Co. 2,703,806, Cl. 260—397.45.
- Murray, Herbert C., and D. H. Peterson, to The Upjohn Co. 2,721,828, Cl. 195—51.
- Murray, Herbert C., and D. H. Peterson, to The Upjohn Co. 2,727,910, Cl. 260—397.45.
- Murray, Herbert C., and D. H. Peterson, to The Upjohn Co. 2,727,911, Cl. 260—397.45.
- Murray, Humphrey D.: *See*—  
Franke, Robert H., and Murray. 2,720,467.
- Murray, James J. 2,704,044, Cl. 114—235.
- Murray, James M., and T. J. Murray. 2,724,596, Cl. 279—14.
- Murray, James S., to General Dynamics Corp. 2,725,427, Cl. 179—18.
- Murray, Jerome L., to Pollard & Johnston. 2,702,571, Cl. 146—68.
- Murray, John F.: *See*—  
Aspelin, Leslie L., and Murray. 2,726,604.
- Murray, John F., to Thompson Products, Inc. 2,724,406, Cl. 137—491.
- Murray, John F., and J. C. Osborne, to Thompson Products, Inc. 2,699,724, Cl. 103—4.
- Murray, John W., to General Electric Co. 2,717,573, Cl. 116—129.
- Murray, Linwood A., Jr.: *See*—  
Uhlig, Edwin C., and Murray. 2,702,758.  
Uhlig, Edwin C., and Murray. 2,717,423.
- Murray Mfg. Corp.: *See*—  
Rypinski, Albert B. 2,709,730.
- Murray, Maurice J., and R. W. Moehl, to Universal Oil Products Co. 2,703,315, Cl. 252—448.
- Murray, Maurice J., V. Haensel, and H. W. Grote, to Universal Oil Products Co. 2,717,230, Cl. 196—50.
- Murray, Maxton F.: *See*—  
Johnson, Byron A., Murray, and Donia. 2,719,857.
- Murray, Maxton F., to The Upjohn Co. 2,707,189, Cl. 260—397.3.
- Murray, Norris N. 2,725,239, Cl. 280—18.
- Murray Ohio Mfg. Co., The: *See*—  
Douglas, Alvin P., and Walters. 2,706,135.
- Murray, Robert H., to Lockheed Aircraft Corp. 2,712,874, Cl. 214—1.
- Murray, Robert S.: *See*—  
Andrews, Ray, and Murray. 2,724,662.
- Murray, Royce L., W. H. McClure, and E. W. Garrison, Jr., to USCO Power Equipment Corp. Re. 23,930, Cl. 200—131.
- Murray, Thomas F.: *See*—  
Allen, Charles F. H., Byers, and Murray. 2,728,663.  
Carroll, Burt H., and Murray. 2,728,664.  
Leubner, Gerhard W., and Murray. 2,728,665.
- Murray, Thomas J.: *See*—  
Murray, James M. and T. J. 2,724,596.
- Murray & Tregurtha Inc.: *See*—  
Dewhurst, Peter K. 2,700,359.
- Murray, William A., to The B. F. Goodrich Co. 2,724,278, Cl. 74—233.
- Murrell, John T., J. A. Gladden, and R. N. Dew, to R. W. Crabtree & Sons Ltd. 2,709,808, Cl. 1—7.
- Murren, John E. 2,698,600, Cl. 119—56.
- Mursch, William H.: *See*—  
Lorig, Edwin T., and Mursch. 2,727,780.
- Mursch, William H., and H. S. Orr, to United States Steel Corp. 2,721,739, Cl. 271—2.6.
- Murtagh, James J.: *See*—  
Kinker, Clarence C., and Murtagh. 2,700,254.
- Murtfeldt, Lawrence W., to Consolidated Water Power & Paper Co. 2,723,179, Cl. 8—105.
- Murto, Lauri J.: *See*—  
Riley, Joseph J., and Murto. 2,721,306.
- Musch, John H.: *See*—  
Bebb, Robert L., Musch, Willis, and Miller. 2,702,285.
- Muschamp, Harold L., and J. R. Grady; said Grady assor. to said Muschamp. 2,701,108, Cl. 242—31.
- Muschamp, Harold L., and J. R. Grady. 2,701,689, Cl. 242—35.5.
- Muschamp, Norman J., and F. Cowlshaw. 2,723,100, Cl. 248—354.
- Muscott, Gerald M.: *See*—  
Levins, William J., Jr., and Muscott. 2,701,597.
- Muse, John K. 2,722,201, Cl. 123—13.
- Musebeck, George E., to Musebeck Shoe Co. 2,703,460, Cl. 36—22.
- Musebeck, George E., to Musebeck Shoe Co. 2,713,730, Cl. 36—22.
- Musebeck, George E., and E. P. Resch, to Picture Recording Co. 2,720,137, Cl. 88—28.
- Musebeck Shoe Co.: *See*—  
Musebeck, George E. 2,703,460.  
Musebeck, George E. 2,713,730.



- Musgrave, Harold G., to Williams & Williams Ltd. 2,727,597, Cl. 189—78.
- Mushovic, Peter, to General Motors Corp. 2,704,249, Cl. 75—63.
- Musick, Jean C. 2,720,438, Cl. 312—12.
- Musk, Henry A., to Westinghouse Electric Corp. 2,727,145, Cl. 250—36.
- Muskegon Machine Co., Inc.: *See—*  
Smith, Alvin L. 2,705,981.
- Muskegon Piston Ring Co.: *See—*  
Hamm, Douglas W. 2,720,435.
- Wenk, Fred A., and Hamm. 2,716,272.
- Mussell, Dorsey R., to The Dow Chemical Co. 2,726,946, Cl. 71—23.
- Musselman, C. H., Co., The: *See—*  
Fisher, George A. 2,726,958.
- Musselman, Harry J. 2,722,707, Cl. 15—255.
- Musser, C. Walton, to Prismatic, Inc. 2,703,070, Cl. 120—145.
- Musser, C. Walton, to Prismatic, Inc. 2,704,532, Cl. 120—145.
- Musser, C. Walton, to the United States of America as represented by the Secretary of the Army. 2,726,055, Cl. 244—122.
- Musser, C. Walton. 2,726,576, Cl. 89—15.
- Musser, Charles W.: *See—*  
Bogue, Edward A., and Musser. 2,715,199.
- Musser, Clarence W. 2,699,094, Cl. 89—17.
- Mussman, Nathan. 2,722,722, Cl. 20—71.
- Muttera, William H., Jr., to W. H. Brady Co. 2,725,322, Cl. 154—53.5.
- Mutton, Donald B.: *See—*  
McLaughlin, Roland R., and Mutton. 2,727,034.
- Mutz, Rodolfo: *See—*  
Mayer-Ortiz, Carlos, and Mutz. 2,706,451.
- Muza, John J.: *See—*  
Muza, Leo J. 2,703,918.
- Muza, Leo J., J. J. Muza and H. L. Schuster, coexecutors of said L. J. Muza, deceased, to The Bestt Rollr, Inc. 2,703,918, Cl. 29—116.
- Muzzey, David S., Jr. 2,716,680, Cl. 200—110.
- Mycalex Corp. of America: *See—*  
Backus, Alfred S. 2,707,731.
- Myer, Jack. 2,718,737, Cl. 51—197.
- Myers, David M., deceased; The Hanover Bank and H. M. Myers, executors. 2,700,899, Cl. 73—228.
- Myers, Don B., to Columbus McKinnon Chain Corp. 2,701,599, Cl. 152—245.
- Myers, Donald V.: *See—*  
Stuart, Roger L. 2,708,836.
- Myers, Edwin D. 2,711,644, Cl. 73—19.
- Myers, Garry C., Jr., to Happy Hang-Ups Inc. 2,710,489, Cl. 46—116.
- Myers, George F. 2,703,210, Cl. 244—6.
- Myers, Glenn W.: *See—*  
Gaddis, Hugh L., Myers, and Welsh. 2,726,681.
- Myers, Gordon S.: *See—*  
Glen, William L., Myers, Barber, and Grant. 2,715,121.
- Myers, Harvey F. 2,704,959, Cl. 88—24.
- Myers, Henry M.: *See—*  
Myers, David M. 2,700,899.
- Myers, Herman L., to Raytheon Mfg. Co. 2,720,474, Cl. 148—31.5.
- Myers, Herman L., to Raytheon Mfg. Co. 2,724,666, Cl. 134—1.
- Myers, Hubert C., to The Packer Sales Corp. 2,726,776, Cl. 214—82.
- Myers, Jack E., to Carnegie Institution of Washington. 2,725,677, Cl. 47—58.
- Myers, L. O., Corp.: *See—*  
Myers, Leon O. 2,705,651.
- Myers, Leon O., to L. O. Myers Corp. 2,705,651, Cl. 285—97.8.
- Myers, Neal S. 2,717,988, Cl. 340—225.
- Myers, Paul T., 50% to W. Espenschied. 2,728,903, Cl. 340—220.
- Myers, Robert E. 2,703,754, Cl. 92—1.6.
- Myers, Thomas G., to U. S. Electrical Motors, Inc. 2,719,738, Cl. 286—11.
- Myers, William M., to Sanstorm Mfg. Co. 2,717,476, Cl. 51—11.
- Myerson, Richard L., to Myerson Tooth Corp. 2,724,166, Cl. 25—157.
- Myerson Tooth Corp.: *See—*  
Myerson, Richard L. 2,724,166.
- Myla Products, Inc.: *See—*  
Barr, Frederick P. 2,718,644.
- Myles, Asa H., to The Electric Controller & Mfg. Co. 2,721,300, Cl. 318—453.
- Mylus, Anfinn, to Aktiebolaget Kamyr. 2,725,145, Cl. 210—199.
- Mytling, Lauritz E., to The Allen-Sherman-Hoff Co. 2,725,514, Cl. 318—466.
- Myrold, Albin O.: *See—*  
Berger, George C., and Myrold. 2,701,595.
- Myrold, Albin O., and G. C. Berger. 2,701,596, Cl. 146—122.
- N. F. B. Displacement Co., Ltd.: *See—*  
Brown, Norman F. 2,714,855.
- N. V. "Ahex": *See—*  
Bajema, Anne. 2,712,298.
- N. V. Appleton Pty. Ltd.: *See—*  
Paine, Hedley R. 2,699,057.
- N. V. Betonfabriek "De Meteor": *See—*  
Honig, Bernard A. 2,705,079.
- Kok, Marinus. 2,699,354.
- N. V. "Coq": *See—*  
Hidde Nijland, Hendrik A. 2,700,718.
- N. V. Hollandsche Draad-En Kabelfabriek: *See—*  
Boonstra, Lieuwe L. 2,722,699.
- N. V. Koninklijke Pharmaceutische Fabrieken Voorheen Brocades-Stheeman & Pharmacia: *See—*  
Nauta, Wijbe T. 2,707,193.
- Nauta, Wijbe T. 2,707,194.
- N. V. Maatschappij Tot Exploiteren Van Octrooien en Licenties "Matepa": *See—*  
Netscher, Arend F., and Fraenkel. 2,725,736.
- N. V. Nederlandse Tank-Apparaten-en Machinefabriek Netam: *See—*  
De Graaff, Pieter. 2,706,058.
- N. V. Onderzoekingsinstituut Research: *See—*  
Demon, Gerardus A., van der Ven, and Andriessen. 2,709,045.
- Lutgerhorst, Albertus G. 2,727,804.
- N. V. Optische Industrie "De Oude Delft": *See—*  
Bouwers, Albert, Blaisse, and Bulthuis. 2,707,417.
- N & W Industries, Inc.: *See—*  
Turner, Lawson W., Jr. 2,714,720.
- Nääs, Nils R. 2,707,448, Cl. 112—225.
- Nachem, Samuel. 2,713,685, Cl. 2—243.
- Nachman Corp.: *See—*  
Bellgrau, George R. 2,708,757.
- Bellgrau, George R. 2,726,409.
- Nachtman, John S., to Owens-Corning Fiberglas Corp. 2,699,415, Cl. 154—91.
- Nadasdy, Henry H.: *See—*  
Harper, Philip S., and Nadasdy. 2,716,565.
- Nadeau, Gale F.: *See—*  
White, Walter R., and Nadeau. 2,703,284.
- Nadeau, Elphege. 2,705,361, Cl. 28—32.
- Nadherny, Russell J., to A. O. Smith Corp. 2,702,485, Cl. 74—242.14.
- Nadler, Max A., and R. E. Medick, to North American Aviation, Inc. 2,713,378, Cl. 154—1.
- Nadro, Edward, Jr., to Socony Mobil Oil Co., Inc. 2,724,683, Cl. 196—28.
- Naegeli, Werner, to Aktiengesellschaft Joh. Jacob Rieter & Cie. 2,700,191, Cl. 19—142.
- Naert, Maurice R. 2,718,053, Cl. 30—6.1.
- Nafziger, Ralph L. 2,708,889, Cl. 107—7.
- Nagaishi, Shigeo. 2,709,084, Cl. 280—47.32.
- Nagel, Eric W., to Wrought Iron Range Co. 2,709,999, Cl. 126—307.
- Nagel, Horstmar: *See—*  
Pietsch, Helmut, and Nagel. 2,708,200.
- Nagel, Jean. 2,718,914, Cl. 153—64.
- Nagel, Theodore. 2,714,489, Cl. 241—39.
- Nägele, Karl F. 2,707,509, Cl. 153—1.
- Nagey, Patricia A.: *See—*  
Nagey, Tibor F. and P. A. 2,699,270.
- Nagey, Tibor F. and P. A., to R. B. Koser. 2,699,270, Cl. 220—43.
- Nagle, Harold J.: *See—*  
Langdon, Samuel W. 2,713,292.
- Nagle, Reginald: *See—*  
Langdon, Samuel W. 2,713,292.
- Nagler, Bruno, to Nagler Helicopter Co., Inc. 2,702,601, Cl. 170—135.4.
- Nagler Helicopter Co., Inc.: *See—*  
Nagler, Bruno. 2,702,601.
- Nagy, Charles E., and J. J. Hedges. 2,699,353, Cl. 292—336.3.
- Nagy, Daniel E., to American Cyanamid Co. 2,701,749, Cl. 8—94.24.
- Nagy, James. 2,718,426, Cl. 294—87.
- Nagy, John. 2,722,243, Cl. 143—132.
- Nagy, Rudolph, and E. P. Etzel, to Westinghouse Electric Corp. 2,709,766, Cl. 313—109.
- Nagy, Rudolph, and J. W. Marden, to the United States of America as represented by the United States Atomic Energy Commission. 2,717,234, Cl. 204—10.
- Naidich, Herbert H., to Bendix Aviation Corp. 2,719,969, Cl. 343—11.
- Nail, James J., and W. M. Spanos, to International Telephone and Telegraph Corp. 2,720,590, Cl. 250—33.65.
- Nakai, Minoru, to Hawaiian Pineapple Co., Ltd. 2,708,812, Cl. 47—9.
- Nakaji, Edward M., and H. M. Sullivan, to Central Scientific Co. 2,702,156, Cl. 230—101.
- Nakashian, George and H., to M. Nakashian. 2,715,775, Cl. 33—9.
- Nakashian, Harry: *See—*  
Nakashian, George and H. 2,715,775.
- Nakashian, Mary: *See—*  
Nakashian, George and H. 2,715,775.
- Nakata, Arthur H.: *See—*  
Hintz, Otto E., and Nakata. 2,718,109.
- Nalley, Mervin C.: *See—*  
Day, Earl R., Wright, and Nalley. 2,704,998.
- Nallinger, Friedrich K. H. 2,700,428, Cl. 180—89.
- Nallinger, Friedrich K. H. 2,700,964, Cl. 123—41.77.
- Nallinger, Friedrich K. H. 2,700,969, Cl. 123—191.
- Nallinger, Friedrich K. H. 2,703,680, Cl. 237—8.
- Nallinger, Friedrich K. H., to Daimler-Benz Aktiengesellschaft. 2,700,438, Cl. 188—106.
- Nallinger, Friedrich K. H., to Daimler-Benz Aktiengesellschaft. 2,705,139, Cl. 267—15.
- Nallinger, Friedrich K. H., to Daimler-Benz Aktiengesellschaft. 2,706,085, Cl. 237—8.
- Nallinger, Friedrich K. H., to Daimler-Benz Aktiengesellschaft. 2,706,469, Cl. 123—41.33.



- Nallinger, Friedrich K. H., to Daimler-Benz, Aktiengesellschaft. 2,710,600, Cl. 123—33.
- Nallinger, Friedrich K. H., to Daimler-Benz Aktiengesellschaft. 2,711,159, Cl. 123—32.
- Nallinger, Friedrich K. H., to Daimler-Benz Aktiengesellschaft. 2,711,720, Cl. 123—119.
- Nallinger, Friedrich K. H., 2,715,023, Cl. 267—65.
- Nallinger, Friedrich K. H., to Daimler-Benz Aktiengesellschaft. 2,716,001, Cl. 237—12.3.
- Nallinger, Friedrich K. H., to Daimler-Benz Aktiengesellschaft. 2,717,045, Cl. 180—1.
- Nallinger, Friedrich K. H., to Daimler-Benz Aktiengesellschaft. 2,719,436, Cl. 74—472.
- Nallinger, Friedrich K. H., to Daimler-Benz Aktiengesellschaft. 2,719,437, Cl. 74—472.
- Nallinger, Friedrich K. H., to Daimler-Benz Aktiengesellschaft. 2,719,711, Cl. 267—20.
- Nallinger, Friedrich K. H., to Daimler-Benz Aktiengesellschaft. 2,724,377, Cl. 123—195.
- Nallinger, Friedrich K. H., to Daimler-Benz Aktiengesellschaft. 2,725,954, Cl. 184—6.
- Nallinger, Friedrich K. H., and J. Müller, to Daimler-Benz Aktiengesellschaft. 2,708,003, Cl. 180—64.
- Nally, Duke H., 2,726,866, Cl. 272—3.
- Nampa, Sulo M.: *See*—  
Evans, Robert B., and Nampa. 2,700,412.  
Tobin, Kenneth J., and Nampa. 2,725,826.
- Nance, Russell E., 2,714,338, Cl. 90—24.
- Nance, William T., and C. L. Rabe, to Shell Development Co. 2,716,340, Cl. 73—149.
- Nanni, Americo V., 2,704,459, Cl. 74—63.
- Nanz, Ernst, to Societe pour l'Equipeiment des Industries Laitieres et Agricoles (S. E. I. L. A.), and W. J. Sidler. 2,708,167, Cl. 99—211.
- Nanz, Ernst, to Societe Pour l'Equipement des Industries Laitieres et Agricoles (S. E. I. L. A.) and W. J. Sidler. 2,721,062, Cl. 259—6.
- Napco Industries Inc.: *See*—  
Gerst, Chris. 2,719,639.  
Gerst, Chris. 2,724,290.
- Napier, D., & Son Ltd.: *See*—  
Barlow, Benjamin W., and Gilbert. 2,699,855.  
Catford, Adrian L., and Dunford. 2,715,831.  
Chamberlin, Reginald H. D., 2,715,834.  
Snell, Leonard S., and Murray. 2,715,837.
- Napier, Maurice A., 2,709,956, Cl. 100—72.
- Napper, Max D., to Standard Oil Co. 2,727,849, Cl. 196—29.
- Naragon, Ernest A., A. J. Millendorf, and J. H. Vergilio, to The Texas Co. 2,699,453, Cl. 260—597.
- Naramore, Harold B., to Bridgeport Fabrics, Inc. 2,716,788, Cl. 20—69.
- Narbutovskih, Paul, to Westinghouse Electric Corp. 2,711,882, Cl. 257—191.
- Nardon, Carl J.: *See*—  
Webb, Robert R., and Nardon. 2,720,263.
- Narel, Joseph W., to Norton Co. 2,723,500, Cl. 51—101.
- Nargelovic, John, 2,703,703, Cl. 259—152.
- Narmco, Inc.: *See*—  
Zerlaut, Leonard E. 2,720,244.
- Narracott, Eric S., to Shell Development Co. 2,709,690, Cl. 260—18.
- Nasan Metal Products, Inc.: *See*—  
Brownstein, Louis. 2,715,984.
- Naselli, Felipe, 2,727,316, Cl. 34—129.
- Nash, David D.: *See*—  
Silliman, Grant F. 2,707,819.
- Nash Engineering Co.: *See*—  
Adams, Harold E. 2,713,968.  
Swaney, Carroll R. 2,707,459.
- Nash, Eugene F.: *See*—  
Anderson, Dale L., Shaffer, Knowles, Harwell, Nash, and Lewis. 2,724,342.
- Nash-Kelvinator Corp.: *See*—  
Doeg, Ralph W. 2,717,494.  
Philipp, Lawrence A. 2,703,442.  
Philipp, Lawrence A. 2,708,348.  
Philipp, Lawrence A. 2,720,759.  
Philipp, Lawrence A. 2,727,362.
- Nash, Thomas L., to American Viscose Corp. 2,703,172, Cl. 203—110.
- Nash, Thomas L., to American Viscose Corp. 2,721,466, Cl. 68—176.
- Nashville Bridge Co.: *See*—  
Dyer, Harry B. 2,699,138.  
Dyer, Harry B. 2,722,907.
- Nass, Chester V., and H. L. Kuehlthau, to Pettibone Mulliken Corp. 2,708,513, Cl. 209—38.
- Nass, Frederick H., 2,708,363, Cl. 73—97.
- Nathan, Alan H.: *See*—  
Beal, Philip F., III, Nathan, and Hogg. 2,698,852.  
Hogg, John A., Nathan, Lyttle, and Hanze. 2,701,808.
- Nathan, Alan H., J. A. Hogg, and D. A. Lyttle, to The Upjohn Co. 2,713,588, Cl. 260—397.45.
- Nathan, Alan H., and J. A. Hogg, to The Upjohn Co. 2,719,855, Cl. 260—397.1.
- Nathan, Alan H., and J. A. Hogg, to The Upjohn Co. 2,727,905, Cl. 260—397.1.
- Nathan, Albert L.: *See*—  
Hauck, Roy C., and Nathan. 2,725,051.
- Nathan, Edward, to Lectra Products Co. Re. 24,046, Cl. 116—133.
- Nathan, Wilfred S.: *See*—  
Birch, Stanley F., and Nathan. 2,706,736.
- Nathanson, Max. 2,715,174, Cl. 219—19.
- Nathanson, Max. 2,717,950, Cl. 219—19.
- Nathe, Robert U.: *See*—  
Droz, Marcel E., Garman, and Nathe. 2,710,722.
- Nation, Enoch F., to Perfect Circle Corp. 2,725,688, Cl. 51—98.
- National Acme Co., The: *See*—  
Dobes, Michael J., and Smith. 2,705,272.  
Dobes, Michael J., and Smith. 2,707,734.  
Drissner, Alfred E. 2,728,414.
- National Aluminate Corp.: *See*—  
Bird, Paul G., and Jacoby. 2,717,881.  
Lindsay, Frederick K. 2,701,791.  
Jacoby, Arthur L., and Luvisl. 2,723,959.  
Johnson, Carl E. 2,723,956.  
Jursich, Myron J. 2,727,009.  
Ryznar, John W. 2,701,239.
- National Automotive Fibres, Inc.: *See*—  
Olsen, Burton A. 2,700,170.
- National Blank Book Co.: *See*—  
Schade, Frank S. 2,709,439.  
Schade, Frank S. 2,724,386.  
Schade, John. 2,709,462.
- National Brass Co.: *See*—  
Quigley, Herbert, and Meer. 2,712,749.  
Young, Herbert. 2,698,763.  
Young, Herbert. 2,707,649.
- National Bread Wrapping Machine Co.: *See*—  
Hoppe, William. 2,704,592.
- National Broach & Machine Co.: *See*—  
Bassoff, Arthur. 2,725,871.
- National Can Corp.: *See*—  
Scholtz, Arthur P. 2,712,390.
- National Cash Register Co., The: *See*—  
Aneshansley, Clay H. 2,728,491.  
Brown, George T., Jr. 2,715,360.  
Brubaker, Damon P. 2,714,988.  
Christian, Raymond A., Johnson, and Titus. 2,723,019.  
Desch, Joseph R. 2,717,334.  
Fowler, Roland G., Frieberg, and Larsen. 2,728,526.  
Frieberg, Nelson R. 2,714,987.  
Green, Barret K. 2,712,507.  
Green, Barret K. 2,714,074.  
Helgeson, Angus G. 2,724,554.  
Isborn, Carl L. 2,721,947.  
Isborn, Carl L. 2,723,354.  
Marra, William H., and Stinchfield. 2,699,432.  
Nelson, Gunnar, and Lehman. 2,708,549.  
Philipp, Otto M. 2,701,100.  
Rauch, Konrad. 2,704,634.  
Sandberg, Robert W. 2,711,375.  
Saxby, Frank R., and Pritchard. 2,714,985.  
Spurlino, Pascal, Moser, Wheeler, and Struve. 2,698,715.  
Steele, Floyd G. 2,706,270.  
Steinhardt, David W. 2,702,765.  
Tenoort, Karl H., and Wendel. 2,715,498.  
Werner, Frank R. 2,708,498.  
Werner, Frank R., and Sterzer. 2,722,887.  
Werner, Frank R., Sterzer, and Zurbuchen. 2,710,576.
- National Chemical & Plastics Co., The: *See*—  
Hecht, Ludwig J., and Emmerling. 2,707,692.
- National Clay Pipe Research Corp., The: *See*—  
Everhart, John O., Krill, and Dine. 2,712,679.
- National Container Corp.: *See*—  
Kippis, Jerome L. 2,720,248.  
Rabbv, Joseph G. 2,711,851.
- National Cylinder Gas Co.: *See*—  
Bailey, Alton E. 2,717,202.  
Bolanowski, John P. 2,726,960.  
Ellsworth, Carl E. 2,711,468.  
Ellsworth, Carl E. 2,712,050.  
Ja Pota, John B. 2,711,979.  
McMichael, Charles E., Godbey, and Zehnder. 2,717,256.  
Roach, Frank T. 2,708,719.  
Strandwitz, Norman S., Eichelman, and Doering. 2,714,292.
- National Dairy Research Laboratories, Inc.: *See*—  
Freund, Ernest H., and Herro. 2,709,137.  
Morgan, Elliott R. 2,715,601.  
Spiess, Newton E., Jr., and Adler. 2,719,494.  
Spiess, Newton E., Jr., Widdoes, and Weaver. 2,723,790.  
Stimpson, Edwin G. 2,708,632.  
Stimpson, Edwin G., and Riggs. 2,708,633.  
Tumerman, Leon, Silvestri, and Burke. 2,708,166.
- National Development Co.: *See*—  
Liberty, George W. 2,720,668.
- National Distillers Products Corp.: *See*—  
Ely, Charles M. 2,717,208.  
Ely, Charles M., and Schott. 2,717,209.  
Muller, Werner C., and Gause. 2,707,164.  
Schultze, John E. 2,721,120.
- National Dryer Mfg. Corp.: *See*—  
Becker, Simon M. 2,714,151.
- National Electric Products Corp.: *See*—  
Somes, Fred J., Jr. 2,722,335.
- National Electronic Mfg. Corp.: *See*—  
Spector, Samuel J. 2,709,220.
- National Electronics, Inc.: *See*—  
Hutchings, John H. 2,707,245.
- National Equipment Corp.: *See*—  
Guggenheim, Max M. 2,704,519.
- National Foam System, Inc.: *See*—  
Boerner, Lewis W., Holmes, and Murray. 2,703,146.



- National Folding Box Co., Inc. : See—**  
 La Grua, James C., and Mathews. 2,706,074.  
 Williamson, Marshall I. 2,713,450.  
 Williamson, Marshall I. 2,713,452.  
 Williamson, Marshall I. 2,713,453.  
 Williamson, Marshall I., and Carruth. 2,717,074.  
 Williamson, Marshall I., and Fisher. 2,713,451.
- National Foundation for Infantile Paralysis Inc. : See—**  
 Bennett, Leon, and Tramposch. 2,701,005.
- National Gypsum Co. : See—**  
 Bertram, Edwin L. 2,699,879.  
 Stewart, Basil O. 2,724,307.
- National Ideal Co., The : See—**  
 Friedman, Abraham S., and Compton. 2,724,571.
- National Institute of Cleaning & Dyeing : See—**  
 Fulton, George P., and Alexander. 2,715,833.
- National Iron Co. : See—**  
 Erickson, Lewis C. 2,700,482.
- National Lead Co. : See—**  
 Aagaard, Leif. 2,723,186.  
 Alpert, Marshall B., and Sullivan. 2,712,523.  
 Beacham, Harry H., and Panik. 2,728,691.  
 Duane, Donald. 2,728,680.  
 Harrison, George. 2,698,571.  
 Koerner, Julian A., and Meyer. 2,728,808.  
 König, Otto. 2,715,084.  
 Loudon, Edgar W., and Holleron. 2,723,054.  
 Lynd, Langtry E., and Merker. 2,723,916.  
 McCormick, Walter R., Jr. 2,718,455.  
 Merker, Leon. 2,715,071.  
 Merker, Leon. 2,723,915.  
 Meyer, Alfred W., and Piring. 2,698,718.  
 Moore, Charles H., Jr. 2,715,070.  
 Moore, Pernel J., and Abdalla. 2,723,228.  
 Mullin, Albert J., and Doll. 2,724,636.  
 Ratcliffe, George L. 2,724,696.  
 Stanley, Alan. 2,724,637.  
 Stoddard, Carl K., and Wyatt. 2,709,078.  
 Wyatt, James L. 2,718,538.
- National Luchtvaarlaboratorium : See—**  
 Bartelink, Jan A. 2,728,893.
- National Machinery Co., The : See—**  
 Friedman, John H. 2,710,712.  
 Friedman, John H. 2,711,660.  
 Friedman, John H. 2,719,618.  
 Friedman, John H. 2,721,343.  
 Friedman, Robert G. 2,705,333.
- National Malleable and Steel Castings Co. : See—**  
 Metzger, William J. 2,709,007.  
 Metzger, William J. 2,718,968.  
 Metzger, William J. 2,719,634.  
 Shafer, James A. 2,712,796.  
 Shafer, James A. 2,717,558.  
 Willison, Donald. 2,724,513.
- National Marking Machine Co., The : See—**  
 Sutton, Gerald J. 2,716,748.
- National Metal Edge Box Co. : See—**  
 Junkin, Malcolm P. 2,719,292.
- National Mine Service Co. : See—**  
 Van Vactor, Benjamin H. 2,709,335.
- National Paper Bottle Co., Inc. : See—**  
 Wittkuhns, Bruno A., and Hill. 2,699,750.  
 Wittkuhns, Bruno A., and Hill. 2,719,466.  
 Wittkuhns, Bruno A., and Hill. 2,719,467.
- National Plastic Products Co., The : See—**  
 Samler, Lee F. 2,718,471.
- National Pneumatic Co., Inc. : See—**  
 Karp, Martin E., and Grubis. 2,720,426.  
 Maurer, Paul H. 2,710,186.
- National Poultry Equipment Co. : See—**  
 Powell, Clyde C. 2,714,786.
- National Rejectors, Inc. : See—**  
 Gottfried, John. 2,711,243.
- National Research Corp. : See—**  
 Barker, Ronald H. 2,721,318.  
 Burns, Thomas H. S., and Benson. 2,720,203.  
 Carr, George W., and Lawrence. 2,714,484.  
 Clough, Philip J., and Godley. 2,703,334.  
 Clough, Philip J., and Moore. 2,719,094.  
 Jones, Spencer S. D. 2,720,588.  
 Lawrence, Richard B., and Sofer. 2,721,025.  
 Lawrence, Richard B., and Yeaton. 2,709,034.  
 Melrose, Denis G. 2,711,732.  
 Ricardo, Harry R. 2,720,867.  
 Sayce, Leonard A. 2,721,389.  
 Stauffer, Robert A. 2,698,810.  
 West, John C. 2,719,940.
- National Research Council : See—**  
 Carmichael, Hugh, and Salmon. Re. 23,997.  
 Clemence, Charles R., Blachut, and van der Hoeven. 2,719,254.  
 Featonby, Joseph. 2,712,482.  
 Forward, Frank A., and Halpern. 2,727,806.  
 Fraser, Donald. 2,724,106.  
 Haskins, Reginald H. 2,698,843.  
 Hudson, Arthur C. 2,710,344.  
 Lemieux, Raymond U. 2,701,794.  
 Lemieux, Raymond U. 2,717,266.  
 Lemieux, Raymond U. 2,725,392.  
 Lemieux, Raymond U. 2,725,393.  
 Murray, Donald M., and Kusters. 2,725,522.  
 Puddington, Ira E., and Sirianni. 2,714,091.
- National Research Development Corp. : See—**  
 Baddiley, James, and Thain. 2,716,130.  
 Barker, Ronald H. 2,700,696.  
 Bradfield, Geoffrey. 2,716,708.  
 Cary, Rex H. J. 2,701,307.  
 Chase, Basil H., and Walker. 2,723,282.  
 Clayden, David O. 2,700,155.  
 Cox, Harold L. 2,706,907.  
 Davis, Herbert M. 2,725,524.  
 Evans, Edgar C., Ford, and Moore. 2,727,933.  
 Evans, Edgar C., Ford, Moore, and Grootenhuis. 2,727,932.  
 Finkelstein, Theodor, and Heywood. 2,724,248.  
 Martin, Archer J. P. 2,728,219.  
 Merton, Thomas R. 2,702,393.  
 Pulsford, Edgar W. 2,715,712.  
 Ricketts, Colin R., and Walton. 2,715,091.  
 Rowe, David S. 2,716,886.  
 Sayers, Cecil F. 2,713,339.  
 Smith, Ernest W., and Hillyard. 2,716,155.  
 Thomas, David G. A., and Cooke-Yarborough. 2,714,179.  
 Thomas, Graham I. 2,700,504.  
 Wells, Frank H. 2,701,303.  
 Williams, Frederic C., and Kilburn. 2,727,988.  
 Williams, Frederic C., Kilburn, and Thomas. 2,700,588.  
 Williams, Frederic C., Kilburn, and Tootill. 2,709,230.
- National Screw & Mfg. Co., The : See—**  
 Merlin, Alfred G., and Mamere. 2,716,759.
- National-Simplex-Bludworth, Inc. : See—**  
 Witt, Francisco C. 2,710,787.  
 Witt, Francisco C. 2,722,470.
- National Sponge Cushion Co., Inc. : See—**  
 Harwin, Dixon R., Stern, and Bodle. 2,703,909.
- National-Standard Co. : See—**  
 Manson, Walter J., and Kenmore. 2,708,445.  
 Pearce, Thomas H. 2,717,485.
- National Steel Corp. : See—**  
 Collins, Tappan. 2,717,060.  
 Collins, Tappan. 2,718,289.  
 Collins, Tappan, Colby, and Roudoy. 2,705,910.  
 Robertson, Delbert P. 2,716,596.
- National Sugar Refining Co., The : See—**  
 Baird, Ronald J. 2,702,249.  
 Woehrl, Paul P., and Cotter. 2,712,797.
- National Supply Co., The : See—**  
 Deitrickson, Roy H. 2,718,880.  
 Deitrickson, Roy H. 2,726,512.  
 Knox, Donald G. 2,699,121.  
 Neilon, Claude R. 2,712,455.  
 Picard, John B. 2,710,087.
- National Tank Co. : See—**  
 De Young, Charles E., and Coggins. 2,711,826.  
 Glasgow, Clarence O. 2,720,891.  
 Maher, Joseph L. 2,728,406.  
 Maher, Joseph L., and Lavery. 2,717,580.  
 Walker, Jay P., Glasgow, and Francis. 2,713,919.
- National Tea Packing Co., Inc. : See—**  
 Irmscher, Hans O. 2,713,410.  
 Irmscher, Hans O. 2,715,807.
- National Union Electric Corp. : See—**  
 Skellett, Albert M. 2,720,558.
- National Union Radio Corp. : See—**  
 Skellett, Albert M. 2,710,361.  
 Skellett, Albert M. 2,710,890.  
 Wolkstein, Herbert J. 2,704,328.
- National Valve & Mfg. Co. : See—**  
 Gould, Arthur. 2,709,057.
- National Vendors, Inc. : See—**  
 Fry, Benjamin W. 2,728,343.
- National Zinc Co., Inc. : See—**  
 Harbordt, Carl G., and Buff. 2,701,067.
- National Welding Equipment Co. : See—**  
 Pohndorf, Henry L. 2,709,065.  
 Pohndorf, Henry L., and Hammon. 2,709,577.
- Natie, Adam F. 2,711,025, Cl. 33—104.
- Natta, Giulio, and P. Pino. 2,699,445, Cl. 260—483.
- Naubereit, Henry : See—  
 Donsky, Abraham, Naubereit, and Paulovich. 2,714,818.
- Naugatuck Trust, The : See—**  
 Roth, Grant V. W., and Guarnaschelli. 2,698,760.  
 Roth, Grant V. W., and Guarnaschelli. 2,725,207.
- Naugler, Walter E., to United Shoe Machinery Corp. 2,712,662, Cl. 12—55.1.
- Naugler, Walter E., to United Shoe Machinery Corp. 2,720,667, Cl. 12—55.1.
- Naul, James M., to Eastern Air Devices, Inc. 2,709,762, Cl. 310—172.
- Nauman, Walter G. 2,716,483, Cl. 206—0.81.
- Naumann, Carl. 2,700,016, Cl. 196—84.
- Naumann, Donald J., to North American Aviation, Inc. 2,712,421, Cl. 244—49.
- Naumann, Edward J., and L. W. Clark, to the United States of America as represented by the Secretary of the Navy. 2,699,543, Cl. 343—7.
- Naumkeag Steam Cotton Co. : See—**  
 Kosek, Alexander. 2,698,659.
- Nauta, Wijbe T., to N. V. Koninklijke Pharmaceutische Fabrieken Voorheen Brocades-Stheeman & Pharmacia. 2,707,193, Cl. 260—473.
- Nauta, Wijbe T., to N. V. Koninklijke Pharmaceutische Fabrieken Voorheen Brocades-Stheeman & Pharmacia. 2,707,194, Cl. 260—473.
- Nave, Alfred E., to Avco Mfg. Corp. 2,704,237, Cl. 312—323.



Navy, United States of America as represented by the Secretary of the: See—

Akerlof, Gosta C. 2,724,692.  
Akerlof, Gosta C. 2,728,723.  
Alvarez, Luis W. 2,717,960.  
Alvarez, Luis W., Rossi, and Chromey. 2,706,793.  
Anderson, Wilmer C. 2,725,551.  
Andrews, William J. 2,717,942.  
Anger, Hal O. 2,698,900.  
Arenberg, David L. 2,703,867.  
Aron, Walter A. 2,706,279.  
Bailey, Edwin M., Jr. 2,705,305.  
Baltzer, Otto J. 2,701,875.  
Bartelink, Everhard H. B. 2,720,644.  
Bartlett, William W. 2,719,287.  
Bederson, Benjamin. 2,706,256.  
Berger, France B., and Allen. 2,702,857.  
Berger, France B., Jarmotz, and Haworth. 2,720,646.  
Bess, Leon. 2,701,306.  
Bess, Leon. 2,702,855.  
Bess, Leon. 2,708,241.  
Betts, George E., Jr., Blekfeld, and McCanner. 2,716,959.  
Biltz, Francis J., and Nilles. 2,715,655.  
Bishop, Amasa S. 2,703,203.  
Bleakney, Robert M., and Workman. 2,712,791.  
Blythe, Richard H. 2,700,114.  
Boertzel, Robert L. 2,705,782.  
Boerum, Frank L. 2,704,354.  
Brauss, Albert. 2,728,611.  
Brettell, George A., Jr., and Pierce. 2,720,712.  
Brooks, Frederick E., Jr. 2,717,380.  
Bullock, Byrrell W., and Silverman. 2,723,589.  
Bundy, Francis P. 2,705,313.  
Burfeind, Henry F. 2,723,833.  
Byers, Robert C. 2,716,873.  
Chance, Britton, and MacNichol. 2,699,546.  
Chun, Melvin E. 2,710,388.  
Clark, Melville, Jr. 2,706,275.  
Clemens, Clark W. 2,722,188.  
Coffin, Francis P., Jr. 2,716,208.  
Comisarow, Paul. 2,722,390.  
Cope, Arthur C., and Kinter. 2,715,147.  
Creveling, Cyrus J., and Mautner. 2,708,736.  
Crisuolo, Edward L., and O'Connor. 2,720,607.  
Czajkowski, Norman. 2,709,782.  
Davenport, Lee L. 2,724,825.  
Droz, Marcel E., and Garman. 2,715,497.  
Droz, Marcel E., Garman, and Nathe. 2,710,722.  
Dunn, Ted E. 2,724,828.  
Duvall, Gordon F. 2,716,388.  
Dzwons, George S. 2,714,137.  
Ebnetter, Arnold E. 2,728,540.  
Erickson, Porter W., and Silver. 2,720,470.  
Ewing, Walkley B. 2,707,450.  
Ewing, William M., and Vine. 2,703,009.  
Eyges, Leonard J. 2,727,233.  
Fain, Jacob M., and Hewitt. 2,716,067.  
Fain, Jacob M., and Hewitt. 2,716,068.  
Farr, Harold K. 2,713,151.  
Ferris, Robert G. 2,714,640.  
Foster, John S. 2,702,858.  
Francois, Robert E. 2,721,971.  
Frederick, Arden H. 2,701,841.  
Garman, George G. 2,720,780.  
Garrison, John B., and Vineyard. 2,712,613.  
Gershon, Milton. 2,721,571.  
Getting, Ivan A., and Bellamy. 2,710,352.  
Gevantman, Lewis H., Chan, and Shirasawa. 2,703,488.  
Geyger, Wilhelm A. 2,717,346.  
Geyger, Wilhelm A. 2,725,521.  
Gist, William B., and Weiler. 2,726,509.  
Goff, John C. 2,713,788.  
Good, Walter A., and Heydenburg. 2,700,888.  
Goode, Rexford F. 2,700,076.  
Goodell, Charles E. 2,724,816.  
Granath, Louis P., and Podnos. 2,701,527.  
Grimes, David D., Bishop, and Schmidt. 2,703,478.  
Grimshaw, Charles S. 2,716,345.  
Hablutzel, Charles E., and Ely. 2,715,874.  
Hall, Maurice B. 2,706,276.  
Hall, Maurice B. 2,720,631.  
Hall, Orville C. 2,705,755.  
Hare, Donald G. C. 2,709,783.  
Harnwell, Gaylord P. 2,703,677.  
Harper, Ralph M. 2,721,322.  
Hasler, Arthur D., and Wisby. 2,699,751.  
Havens, Byron L. 2,706,841.  
Havens, Byron L. 2,717,998.  
Haviland, Thomas J. 2,715,163.  
Hawley, Mones E., and Suther. 2,724,766.  
Heinemann, Edward H., Mayo, and Walpole. 2,702,680.  
Herlin, Melvin A. 2,708,222.  
Herschler, Marcus B. 2,699,568.  
Herson, Jacob L., Gilford, and Saito. 2,702,353.  
Hisserich, Charles A. 2,724,817.  
Hogue, Walters E. 2,702,839.  
Hughes, Arthur V., and Rademacher. 2,700,356.  
Holdam, James V., Jr., and Jones. 2,700,732.  
Hollmann, Hans E. 2,707,223.  
Holmes, Frederick T., and Taber. 2,715,813.  
Howe, Wilfred H. 2,725,068.  
Hudack, Stephen S. 2,719,522.  
Hughes, Arthur V. 2,712,806.  
Hutchison, Miller R., Jr. 2,704,433.

Navy, United States of America as represented by the Secretary of the: See—Continued.

Jackson, Frank H. 2,715,725.  
Jacobsen, Andrew B. 2,706,810.  
James, Hubert M. 2,715,274.  
Johnson, Joe W. 2,700,306.  
Johnstone, Charles W. 2,717,961.  
Karig, Horace E. 2,725,841.  
Kase, Otto E., and Rice. 2,713,390.  
Kempton, Marvin L. 2,721,071.  
Kendall, James M. 2,700,305.  
Kent, Raymond C., Jr., and Daudelin. 2,716,957.  
Kiel, Kenneth M. 2,712,575.  
Klas, Harold W. 2,715,872.  
Krutter, Harry, and Goldstein. 2,711,517.  
Kusserow, Bert K., and Bair. 2,712,897.  
Latshaw, Robert V. 2,718,164.  
Laufer, Louis, and Gutcho. 2,711,989.  
Lauritsen, Charles C. 2,703,508.  
Lawson, James L., and Cork. 2,712,646.  
Lawther, James M. 2,715,699.  
Leachman, Robert B. 2,724,826.  
Lebacqz, Jean V. 2,710,351.  
Leonard, John L. 2,720,612.  
Lewis, Robert E. 2,709,873.  
Lewis, Willard D. 2,703,842.  
Malick, Franklin S. 2,703,379.  
Malick, Franklin S. 2,717,066.  
Manger, Warren P. 2,707,400.  
Mann, Robert W. 2,706,405.  
McArthur, Elmer D. 2,713,653.  
McLaughlin, Donald J., and Talmadge. 2,704,305.  
McLean, William B. 2,718,603.  
McNatt, Eugene M. 2,707,401.  
Meagher, Ralph E., and Sherwin. 2,717,330.  
Mendousse, Jean S. 2,711,646.  
Meyer, Charles A. 2,724,947.  
Millman, Jacob. 2,725,553.  
Minto, Robert W. 2,703,870.  
Mostofsky, David, and Sandow. 2,713,120.  
Naumann, Edward J., and Clark. 2,699,543.  
Neher, Henry V. 2,721,957.  
Nettleton, Leroy A., and Miller. 2,710,723.  
Nichols, Nathaniel B., and Rider. 2,716,894.  
Norden, Carl L. 2,703,932.  
Nyswander, R. Edson. 2,705,307.  
Olson, Delwyn L. 2,703,962.  
Overbeck, Wilcox P. 2,724,789.  
Pawley, Myron G. 2,722,602.  
Pawley, Myron G., Parker, and Hereth. 2,706,287.  
Peterson, Carl R., and Mitnick. 2,723,095.  
Pitman, Richard W., and Yavne. 2,699,846.  
Pound, Robert V. 2,705,752.  
Priedigkeit, John H. 2,728,048.  
Preston, William M. 2,719,271.  
Rabinow, Jacob. 2,710,578.  
Rabinow, Jacob. 2,713,927.  
Radkowski, Leo S., Warren, Daly, and Ellerman. 2,726,550.  
Ragan, George L. 2,700,137.  
Reed, Donald G. 2,710,458.  
Ribner, Morris. 2,717,352.  
Rich, Stanley R. 2,703,396.  
Rich, Stanley R. 2,710,950.  
Rively, Clair M. 2,708,251.  
Rively, Clair M. 2,727,188.  
Robinson, Charles V. 2,702,859.  
Rodman, Isaac P., Nolle, Chernosky, and Wood. 2,709,796.  
Rockwell, Gaynor O. 2,703,873.  
Rogers, Paul H. 2,721,708.  
Rovner, Leopold E. 2,700,221.  
Rubin, Sylvan, Corcoran, and Longwell. 2,728,295.  
Schmitt, Otto H. 2,713,661.  
Schmitt, Otto H. 2,714,635.  
Schmitt, Otto H. 2,715,207.  
Schmitt, Otto H. 2,721,974.  
Schmitt, Otto H., and Dzwons. 2,719,366.  
Schonstedt, Erick O. 2,724,250.  
Schultz, Howard L. 2,720,592.  
Scott, Elmer J. 2,725,540.  
Scott, Roderic M. 2,706,285.  
Selove, Walter. 2,700,103.  
Shafer, Montgomery R. 2,700,891.  
Shapiro, Herbert. 2,702,885.  
Sherertz, Paul C. 2,710,913.  
Sherwin, Chalmers W. 2,705,901.  
Sherwin, Chalmers W. 2,712,647.  
Sherwin, Chalmers W. 2,720,645.  
Sherwin, Chalmers W. 2,724,776.  
Siebengartner, George W., Dugan, and Humbert. 2,722,125.  
Signaigo, Frank K. 2,700,658.  
Sims, Raymond U. 2,716,212.  
Sitterly, Bancroft W. 2,698,935.  
Skolnik, Sol, and Kruse. 2,712,496.  
Slusser, Eugene A. 2,711,532.  
Small, Donald C. 2,714,697.  
Smullin, Louis D. 2,716,222.  
Sommers, Henry S., Jr. 2,721,320.  
South, Francis C. 2,703,071.  
Spencer, Roy C. 2,721,263.  
Spencer, Sidney H. 2,722,827.  
Stahl, William F. 2,710,086.



- Navy, United States of America as represented by the Secretary of the: *See*—Continued.
- Stapleton, Glenn D. 2,713,482.  
 Stebbins, Frederick O. 2,716,183.  
 Stein, James H. 2,714,657.  
 Stockard, John M. 2,702,008.  
 Strandberg, Malcom W. P. 2,705,756.  
 Strong, John. 2,700,002.  
 Strough, Robert I., and Jacobs. 2,703,864.  
 Sundermann, James A., and Bennett. 2,725,011.  
 Tafel, Robert W., and Friedman. 2,718,451.  
 Tatel, Howard E., and Trainer. 2,715,680.  
 Taylor, Morris P. 2,718,390.  
 Tolles, Walter E. 2,700,135.  
 Tolles, Walter E. 2,706,801.  
 Tolles, Walter E. 2,715,198.  
 Townsend, Vernon G. 2,703,497.  
 Tutherly, Herbert W. 2,720,081.  
 Tyler, Alfred W., and Wallour. 2,706,231.  
 Valentine, Jesse A. 2,723,644.  
 Van Voorhis, Stanley N. 2,698,931.  
 Vine, Allyn C., Redfield, Jacobson, and Russell. 2,704,936.  
 Wagner, Glenn B. 2,703,016.  
 Walker, Laurence R. 2,719,240.  
 Walton, John E. 2,726,844.  
 Westerfield, Everett C. 2,711,494.  
 White, Hobart S. 2,715,617.  
 White, Milton G. 2,706,786.  
 Whitson, William L., Rabinow, and McLean. 2,704,326.  
 Wilkes, Gilbert. 2,698,901.  
 Wilkes, Gilbert. 2,703,882.  
 Wilkes, Gilbert. 2,706,797.  
 Williams, Philip S. 2,711,695.  
 Wingate, Sidney A. 2,702,861.  
 Woodworth, Lee R. 2,704,089.  
 Woodward, Richard H. 2,700,102.  
 Woodworth, William H. 2,725,520.  
 Workman, Everly J. 2,721,517.  
 Worrell, Francis T. 2,709,789.  
 Wu, William I. L. 2,720,587.  
 Yevick, George J. 2,724,054.  
 Young, Louise, and Harvey. 2,699,501.  
 Young, Raymond A. 2,721,044.  
 Zabel, Carroll W. 2,704,810.  
 Zabel, Carroll W. 2,714,707.  
 Zaffarano, Frank P. 2,702,856.
- Nawojski, Julius W. 2,718,937, Cl. 188—90.  
 Nawman, Rollie B., to Benner-Nawman, Inc. 2,707,060, Cl. 214—306.  
 Naylor, Joseph F., to T. & T. Vicars Ltd. 2,707,925, Cl. 107—63.  
 Naylor, Joseph F., to T. & T. Vicars Ltd. 2,712,798, Cl. 107—1.  
 Naylor, Marcus A., Jr.: *See*—  
   Gresham, William F., and Naylor. 2,712,543.  
   Langsdorf, William P., Jr., and Naylor. 2,709,709.  
 Naylor, Marcus A., Jr., to E. I. du Pont de Nemours and Co. 2,703,793, Cl. 260—79.3.  
 Naylor, Ralph A., and E. O. Hook, to American Cyanamid Co. 2,723,969, Cl. 260—79.5.  
 Nazir, Phiroze P. 2,700,516, Cl. 244—42.  
 Nazzaro, Joseph L., ½ to V. Nazzaro. 2,699,162, Cl. 126—211.  
 Nazzaro, Vincent: *See*—  
   Nazzaro, Joseph L. 2,699,162.  
 Nazzewski, Mathew, to Sprague Electric Co. Re. 24,057, Cl. 313—117.  
 Nead Development Co.: *See*—  
   Nead, Philip D. 2,709,313.  
 Nead, Phillip D. 2,717,429, Cl. 20—2.  
 Nead, Philip D., to O. R. Rule, Jr., d. b. a. Nead Development Co. 2,709,313, Cl. 39—87.  
 Neal, Cecil R. 2,706,036, Cl. 206—16.  
 Neal, David C. 2,709,329, Cl. 56—209.  
 Neal, John M.: *See*—  
   Webb, Larry E., and Neal. 2,719,298.  
 Nearing, Allan B. 2,703,244, Cl. 280—504.  
 Neary, Kenneth J., to General Motors Corp. 2,708,825, Cl. 60—35.6.  
 Neaves, Jack A., to Thompson Machine Co. 2,704,177, Cl. 226—14.  
 Nebe, Erich, and O. Boehm, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,719,172, Cl. 260—531.  
 Nebe, Kenneth, and G. E. James. 2,699,809, Cl. 150—52.  
 Nebeling, Fritz. 2,699,913, Cl. 248—143.  
 Neckel, Edmund N., to The American Laundry Machinery Co. 2,727,660, Cl. 223—37.  
 Nedschroef Octrooi Maatschappij N. V.: *See*—  
   Van Haandel, Adrianus. 2,698,950.  
   Van Haandel, Adrianus. 2,698,951.  
 Needham, Basil A., to Continental Radiant Glass Heating Corp. 2,700,095, Cl. 219—19.  
 Needles, Henry L. 2,716,512, Cl. 223—89.  
 Needs, Emma D. 2,703,543, Cl. 112—260.  
 Neel, Roy A. 2,722,878, Cl. 97—144.1.  
 Neely, George L., to California Research Corp. 2,708,922, Cl. 123—187.5.  
 Neely, Glen W., to The Richardson Co. 2,720,224, Cl. 139—196.  
 Neely, John F. 2,713,555, Cl. 204—105.  
 Neely, Palace J., to Campbell Williamson Co., Inc. 2,708,886, Cl. 104—170.  
 Neely, Thomas H.: *See*—  
   McKim, Burton, and Neely. 2,721,235.
- Neenah Milk Products Co.: *See*—  
   Galloway, Edwin J. 2,714,455.  
 Neer, Clifford H., to Maryland Engineering Co. 2,713,269, Cl. 73—425.4.  
 Neerup, Einar. 2,700,977, Cl. 132—46.  
 Neff, Gene M.: *See*—  
   Lee, Charles B., and Neff. 2,699,509.  
 Nefzger, Hans A., to New Jersey Machine Corp. 2,707,915, Cl. 101—318.  
 Negley, Mervin E.: *See*—  
   Dodge, Nathaniel S., Jr., Negley, and Sanford. 2,719,752.  
 Negre, Raymond J. L. 2,709,304, Cl. 33—77.  
 Negy, Jack E., to G. I. Goodwin. 2,710,080, Cl. 189—46.  
 Neher, Clarence M.: *See*—  
   Dunn, James H., Hall, Miller, and Neher. 2,706,172.  
 Neher, Clarence M., to Ethyl Corp. 2,728,656, Cl. 75—167.  
 Neher, Eldon P., to The General Tire and Rubber Co. 2,722,138, Cl. 74—574.  
 Neher, Henry V., to the United States of America, as represented by the Secretary of the Navy. 2,721,957, Cl. 315—40.  
 Neher, John H. 2,728,524, Cl. 235—61.  
 Neibel, DeWitt E., and B. H. Essmueller. 2,727,624, Cl. 209—104.  
 Neidetcher, Joseph J. 2,715,044, Cl. 296—102.  
 Neidhart, Hermann J. 2,712,742, Cl. 64—14.  
 Neiditch, Oscar W.: *See*—  
   Gershon, Sol D., and Neiditch. 2,723,217.  
 Neier, Reinhard, and W. Wehrli, to Sandoz A. G. 2,714,587, Cl. 260—145.  
 Neighbour, Leonard B., to Deere & Co. 2,699,948, Cl. 275—4.  
 Neighbour, Leonard B., to Deere & Co. 2,699,949, Cl. 275—5.  
 Neighbour, Leonard B., and M. J. Martens, to Deere & Co. 2,699,947, Cl. 275—3.  
 Neikirk, Edwin P.: *See*—  
   Sargent, Elbert R., and Neikirk. 2,712,217.  
 Neil, Hugh G., to the United States of America as represented by the United States Atomic Energy Commission. 2,712,074, Cl. 250—41.9.  
 Neil, William P. 2,717,801, Cl. 294—67.  
 Neild, William G.: *See*—  
   Haas, Harold G., and Neild. 2,714,146.  
 Neild, William G., to Bendix Aviation Corp. 2,716,213, Cl. 322—19.  
 Neill, James, & Co. (Sheffield) Ltd.: *See*—  
   Dawson, Rupert. 2,727,545.  
 Neilon, Claude R., to The National Supply Co. 2,712,455, Cl. 285—22.  
 Neilson, Allan K. 2,702,649, Cl. 220—18.  
 Neilson, Christopher B. V., to Electro-Hydraulics Ltd. 2,720,221, Cl. 138—50.  
 Neiman, Elias R., to S. Neiman. 2,708,631, Cl. 99—15.  
 Neiman, Sadie: *See*—  
   Neiman, Elias R. 2,708,631.  
 Neimeier, Kurt: *See*—  
   Wolff, Edwin K., Voltmer, and Neimeier. 2,726,861.  
 Neipert, Marshall P.: *See*—  
   Blue, Robert D., and Neipert. 2,719,117.  
 Neisler, Charles E., Jr., to Neisler Mills, Inc. 2,728,361, Cl. 139—383.  
 Neisler Mills, Inc.: *See*—  
   Neisler, Charles E., Jr. 2,728,361.  
 Neiswander, Robert S., to Link Aviation, Inc. 2,722,059, Cl. 35—12.  
 Neiswinter, James T.: *See*—  
   Fitch, Karl E., Neiswinter, Purvis, and Vanderlippe. 2,710,891.  
 Neiswinter, James T., to American Telephone and Telegraph Co. 2,707,778, Cl. 340—226.  
 Neiswinter, James T. 2,708,744, Cl. 340—164.  
 Neiswinter, James T., to American Telephone and Telegraph Co. 2,713,087, Cl. 178—73.  
 Neiswinter, James T., to American Telephone and Telegraph Co. 2,722,682, Cl. 343—179.  
 Neitzel, Richard H.: *See*—  
   Mingus, Edgar C. 2,701,892.  
 Nejak, Raymond P., and E. B. Cyphers, to Esso Research and Engineering Co. 2,719,121, Cl. 252—37.2.  
 Neklutin, Constantine N., to Universal Match Corp. 2,704,027, Cl. 101—253.  
 Nekoosa-Edwards Paper Co.: *See*—  
   Nigrelli, Biagio J. 2,699,881.  
 Nelb, Robert G., and C. H. Alexander, to United States Rubber Co. 2,708,189, Cl. 260—45.4.  
 Nelboeck, Edgar F.: *See*—  
   Dackor, Emil, and Nelboeck. 2,699,019.  
   Dackor, Emil, and Nelboeck. 2,722,867.  
 Nelmor Mfg. Corp.: *See*—  
   Morgenstern, David M. 2,706,931.  
 Nelsen, Marvin G., and J. Schmidt, to Guardian Electric Mfg. Co. 2,699,242, Cl. 194—10.  
 Nelson, Albert U. and C. E. 2,711,357, Cl. 312—293.  
 Nelson, Alden W., to The James L. Entwistle Co. 2,706,091, Cl. 242—25.  
 Nelson, Alden W., and S. E. Borgeson, to The James L. Entwistle Co. 2,711,026, Cl. 33—129.  
 Nelson, Arthur W.: *See*—  
   Lowman, Malden C., Jr., Hughes, and Nelson. 2,726,198.  
 Nelson, Arvid E. 2,724,208, Cl. 43—57.5.  
 Nelson, Carl E. 2,714,319, Cl. 81—3.  
 Nelson, Charles E.: *See*—  
   Nelson, Albert U. and C. E. 2,711,357.  
 Nelson, Charles, Jr., to Ahlberg Bearing Co. 2,714,022, Cl. 286—5.



- Nelson, Christian K., to Eskimo Pie Corp. 2,704,442, Cl. 62—114.
- Nelson, Donald O., to Bendix Aviation Corp. 2,720,561, Cl. 200—30.
- Nelson, Donald O., and B. G. Blackman, to Bendix Aviation Corp. 2,718,161, Cl. 74—812.
- Nelson, Dwight M. 2,711,874, Cl. 248—226.
- Nelson, Edgar A., to American Safety Razor Corp. 2,726,787, Cl. 221—229.
- Nelson, Edwin L. 2,709,815, Cl. 2—247.
- Nelsen, Einar F. 2,705,923, Cl. 105—20.
- Nelson, Eldred C.: *See*—  
Oppenheimer, J. Robert, Frankel, and Nelson. 2,719,924.
- Nelson, Erdick H. 2,717,065, Cl. 190—57.
- Nelson, Evan H.: *See*—  
Isaacs, George G., and Nelson. 2,714,686.  
Isaacs, George G., and Nelson. 2,714,687.
- Nelson, Evan H., and E. B. Power, to General Electric Co. 2,699,847, Cl. 189—365.
- Nelson, Fred N. 2,699,321, Cl. 255—2.5.
- Nelson, George E. 2,717,156, Cl. 273—134.
- Nelson, George R., Sr. 2,715,249, Cl. 20—55.
- Nelson, Gunnar, and L. N. Lehman, to The National Cash Register Co. 2,708,549, Cl. 235—23.
- Nelson, Harold R., to the United States of America as represented by the Secretary of the Army. 2,700,627, Cl. 148—2.
- Nelson, Harold T., and R. A. Pancheri, to United States Rubber Co. 2,705,690, Cl. 117—138.8.
- Nelson, Harry, to Lorentzen Hardware Mfg. Corp. 2,706,330, Cl. 29—200.
- Nelson, Harry, to Lorentzen Hardware Mfg. Corp. 2,706,521, Cl. 160—38.
- Nelson, Henry E. 2,708,434, Cl. 126—44.
- Nelson, Herbert, and M. N. Fredenburgh, to Radio Corp. of America. 2,726,178, Cl. 117—220.
- Nelson, Herbert H.: *See*—  
Howard, Walter B., Nelson, and Rosenberg. 2,725,985.
- Nelson, Herbert H., to Monsanto Chemical Co. 2,715,101, Cl. 252—1.
- Nelson, Herbert H., to Monsanto Chemical Co. 2,715,102, Cl. 252—1.
- Nelson, Herbert H., to Monsanto Chemical Co. 2,715,103, Cl. 252—1.
- Nelson, Herbert H., to Monsanto Chemical Co. 2,715,104, Cl. 252—1.
- Nelson, Herbert H., to Monsanto Chemical Co. 2,715,105, Cl. 252—1.
- Nelson, Ingrid B.,  $\frac{1}{3}$  to N. Burleson and  $\frac{1}{3}$  to J. B. Dabney. 2,711,300, Cl. 248—214.
- Nelson, J. B.: *See*—  
Collett, Charles H. 2,710,655.
- Nelson, James. 2,702,658, Cl. 223—82.
- Nelson, John W., to Sinclair Refining Co. 2,721,149, Cl. 117—114.
- Nelson, John W., to Sinclair Refining Co. 2,723,988, Cl. 260—452.
- Nelson, Joseph F., J. F. McKay, Jr., L. M. Welch, and D. F. Koenecke, to Standard Oil Development Co. 2,701,780, Cl. 154—43.
- Nelson, Joseph F., and R. W. Sawyer, to General Electric Co. 2,727,121, Cl. 201—67.
- Nelson, Kenneth E., to The Dow Chemical Co. 2,703,753, Cl. 75—168.
- Nelson, Laurence A.: *See*—  
Guentsche, Helmuth, Nelson, and Schjolin. 2,724,292.  
Guentsche, Helmuth, Nelson, and Schjolin. 2,724,293.
- Nelson, Laurence N., to Kewanee Mfg. Co. 2,702,505, Cl. 98—115.
- Nelson, Lawrence, Jr. 2,723,484, Cl. 43—54.5.
- Nelson, Leonard W. 2,725,756, Cl. 74—230.24.
- Nelson, Lewen R. 2,723,159, Cl. 299—69.
- Nelson, Martin J., and C. E. Ives, to Wunderlich Spring Machinery Co. 2,718,314, Cl. 214—6.
- Nelson, Martin J., and T. S. Cetnar, to Wunderlich Spring Machinery Co. 2,718,315, Cl. 214—6.
- Nelson, Morris D., to Radio Corp. of America. 2,726,340, Cl. 307—150.
- Nelson, Morris D., to Radio Corp. of America. 2,728,023, Cl. 315—13.
- Nelson, Nels H. 2,716,414, Cl. 131—235.
- Nelson, Nils O. G. 2,715,916, Cl. 139—20.
- Nelson, Nils O. G. 2,715,919, Cl. 139—116.6.
- Nelson, Noral A., to Harry Ferguson, Inc. 2,707,643, Cl. 280—456.
- Nelson, Norman A., to Esso Research and Engineering Co. 2,722,450, Cl. 294—110.
- Nelson, Oscar G., and W. B. Wines, to Western Electric Co., Inc. 2,718,320, Cl. 214—658.
- Nelson, Paul H., to The Stanley Works. 2,710,422, Cl. 16—105.
- Nelson Radio Service: *See*—  
Nelson, Robert D. 2,709,940.
- Nelson, Robert D., to Nelson Radio Service. 2,709,940, Cl. 84—1.14.
- Nelson, Robert E., to Read Standard Corp. 2,728,308, Cl. 107—14.
- Nelson, Roy F.: *See*—  
McKinley, John K., Bright, and Nelson. 2,705,241.
- Nelson, Russell A., to General Electric Co. 2,704,381, Cl. 18—47.5.
- Nelson, Seddon C., to American Viscose Corp. 2,712,155, Cl. 18—15.
- Nelson, Seddon C., to American Viscose Corp. 2,727,275, Cl. 18—12.
- Nelson, Seddon C., to American Viscose Corp. 2,727,276, Cl. 18—15.
- Nelson, Sven H.: *See*—  
Polson, Samuel D., and Nelson. 2,700,333.
- Nelson Tester Co., Inc.: *See*—  
Briner, Paul C. 2,712,634.  
Briner, Paul C. 2,728,889.
- Nelson, Wallace M. 2,722,793, Cl. 55—34.
- Nelson, Walter D. 2,703,149, Cl. 180—79.2.
- Nelson, William H., to Universal Leather Co. 2,722,687, Cl. 2—168.
- Nelson, Willis N., to Preway Inc. 2,716,405, Cl. 126—93.
- Nelsson, Nels, to United States Gypsum Co. 2,699,669, Cl. 72—46.
- Nelsson, Nels, to United States Gypsum Co. 2,714,305, Cl. 72—46.
- Nelsson, Nels, to United States Gypsum Co. 2,718,673, Cl. 20—5.
- Nelsson, Nels, to United States Gypsum Co. 2,724,960, Cl. 72—118.
- Nelsson, Nels, and G. W. Baker, to United States Gypsum Co. 2,721,471, Cl. 72—16.
- Nemesio, Nino J. 2,725,179, Cl. 229—52.
- Nemet, Anthony A., and M. Berindel, to Hartford National Bank and Trust Co., trustee. 2,717,315, Cl. 250—95.
- Németh, Madeleine. 2,699,773, Cl. 128—66.
- Nemeth, Steffen P. 2,707,465, Cl. 128—46.
- Nemoede, Paul A., to Container Corp. of America. 2,714,445, Cl. 206—45.14.
- Nemoede, Paul A., to Container Corp. of America. 2,724,542, Cl. 229—34.
- Nensel, Berthold H. 2,706,480, Cl. 128—218.
- Nenzell, Joseph F., to The Mathewson Corp. 2,717,793, Cl. 288—25.
- Nenzell, Joseph F., to The Mathewson Corp. 2,722,043, Cl. 20—69.
- Neon Products, Inc.: *See*—  
Howenstine, James A. 2,715,216.
- Neo-Ray Products, Inc.: *See*—  
Zingone, Anthony E. 2,712,594.
- Nepera Chemical Co., Inc.: *See*—  
Duesel, Bernard F., and Berman. 2,710,869.  
Goldberg, Aaron S. 2,723,975.  
Goldberg, Aaron S. 2,723,976.  
Huffman, Max N. 2,705,239.  
Scudi, John V. 2,723,270.  
Scudi, John V., and Tenenbaum. 2,710,864.  
Tenenbaum, Leon E. 2,712,021.  
Tenenbaum, Leon E., and Fand. 2,712,019.
- Nerdahl, Paul L.: *See*—  
Johnson, Herbert C., Wicks, and Nerdahl. 2,727,753.
- Nerem, Robert. 2,704,088, Cl. 137—248.
- Nerenberg, Robert W., to The Interstate Folding Box Co. 2,717,731, Cl. 229—14.
- Neri, Gastone. 2,699,943, Cl. 271—86.
- Nerim, Larry C., to Rockmont Envelope Co. 2,727,488, Cl. 118—410.
- Nero, Leroy W., to Motorola, Inc. 2,713,612, Cl. 178—69.5.
- Nervik, Walter E.: *See*—  
Stevenson, Peter C., Franke, Borg, and Nervik. 2,714,555.
- Nerwin, Hubert, to Graflex, Inc. 2,711,023, Cl. 33—64.
- Nerwin, Hubert, to Graflex, Inc. 2,719,454, Cl. 88—1.5.
- Nerwin, Hubert, to Graflex, Inc. 2,721,041, Cl. 242—71.
- Nerwin, Hubert, and J. G. Padelt, to Graflex, Inc. 2,719,679, Cl. 242—71.
- Nesbitt, John J., Inc.: *See*—  
Miller, Samuel W., and McElgin. 2,727,455.
- Ness, Harold J., to Metallurgical Processes Co. 2,706,110, Cl. 266—5.
- Ness, Irving S.: *See*—  
Johnson, Robert W., Ness, and Lints. 2,705,497.  
Pettersen, De Witt R., and Ness. 2,705,687.
- Ness, Irving S., R. V. Lints, and D. R. Petterson, to Chicopee Mfg. Corp. 2,705,686, Cl. 117—38.
- Ness, Irving S., R. V. Lints, and D. R. Petterson, to Chicopee Mfg. Corp. 2,705,688, Cl. 117—44.
- Nessel, Jiri. 2,721,959, Cl. 315—234.
- Nessel, Jiri. 2,724,792, Cl. 315—234.
- Nesset, Maurice M., and C. R. Broman, to Baxter Laboratories, Inc. 2,705,955, Cl. 128—214.
- Nesson, Israel, to M. Zaiger. 2,703,900, Cl. 15—250.
- Nesson, Israel, to M. Zaiger. 2,703,901, Cl. 15—250.
- Nesson, Israel, to M. Zaiger. 2,709,825, Cl. 15—250.
- Nester, Ralph G., to E. I. du Pont de Nemours and Co. 2,712,520, Cl. 202—153.
- Nestler, Herbert N.: *See*—  
Willinger, Harding W., and Nestler. 2,702,125.
- Nestor Johnson Mfg. Co.: *See*—  
Notz, Rudolph. 2,706,117.
- Neth, Fred: *See*—  
Davies, Miles, and Neth. 2,706,320.  
Davies, Miles, and Neth. 2,706,322.
- Netherwood, Paul H., and W. M. Allison, to Sprague Electric Co. 2,721,311, Cl. 333—79.
- Netreba, Alfred. 2,707,428, Cl. 99—334.
- Netscher, Arend F., and H. N. Fraenkel, to N. V. Maatschappij Tot Exploiteren Van Octrooien en Licenties "Matepa." 2,725,736, Cl. 66—176.
- Nettel, Frederick. 2,710,521, Cl. 60—13.
- Nettleton, Leroy A., and C. W. Miller, to the United States of America as represented by the Secretary of the Navy. 2,710,723, Cl. 235—61.5.



- Neu, John T.: *See*—  
Barusch, Maurice R., Payne, and Neu. 2,706,740.
- Neu, Karl-Hans, and E. Rogner, to Firma Skf Kugellagerfabriken Gesellschaft mit beschränkter Haftung. 2,708,290. Cl. 19—131.
- Neubarth, Bennie A.,  $\frac{1}{2}$  to J. E. Flygare. 2,724,203, Cl. 43—18.
- Neubauer, John R.: *See*—  
Beers, Roy A., Jr., and Neubauer. 2,726,325.
- Neubauer, Joseph A., F. Strain, and F. E. Kung, to Columbia-Southern Chemical Corp. 2,717,238, Cl. 204—163.
- Neubronner, Carl. 2,707,024, Cl. 164—42.
- Neue Baumaschinen G. m. b. H.: *See*—  
Frühling, Curt. 2,705,379.
- Neuenschwander, Ernest L. 2,710,771, Cl. 296—32.
- Neuenschwander, Otto. 2,715,690, Cl. 310—220.
- Neuenschwander, Otto. 2,726,344, Cl. 310—172.
- Neuerburg, Gottfried: *See*—  
Mayer, Hans, Jaschinsky, Neuerburg, and Lerp. 2,699,928.
- Neufeld, Leonard C., to The Delman Co. 2,702,918, Cl. 15—250.4.
- Neufeld, Leonard C., to The Delman Co. 2,703,258, Cl. 299—73.
- Neufeld, Leonard C., to The Delman Co. 2,703,259, Cl. 299—73.
- Neufeld, Leonard C. 2,714,739, Cl. 15—250.4.
- Neugass, Edwin A. 2,712,188, Cl. 40—130.
- Neugass, Edwin A. 2,723,342, Cl. 240—21.
- Neugebauer, Franz J., to the United States of America as represented by the Secretary of the Air Force. 2,703,102, Cl. 137—493.8.
- Neugebauer, Wilhelm, J. Barthenheier, and A. Rebenstock, to Azoplate Corp. 2,702,242, Cl. 95—5.4.
- Neuhäus, Fritz. 2,718,723, Cl. 41—9.
- Neumair, Joseph A., and S. Clausen, to International Cigar Machinery Co. 2,724,389, Cl. 131—21.
- Neuman, Edward C., to Cory Corp. 2,705,095, Cl. 222—478.
- Neuman, Elmer A. 2,698,709, Cl. 229—32.
- Neumann, Adolf W., to M. Grundig. 2,709,769, Cl. 315—22.
- Neumann, Egon: *See*—  
Stoff, Wolfgang, and Neumann. 2,703,877.
- Neumann, Vera. 2,698,942, Cl. 2—91.
- Neumann, Vera S. 2,727,622, Cl. 206—79.
- Neumark, Martha. 2,722,154, Cl. 84—404.
- Neuschotz, Robert. 2,728,370, Cl. 151—41.73.
- Neutelings, Willem, and J. B. Kengen, to Industrie- en Handelsmaatschappij "De Vuurslag" C. V. 2,724,348, Cl. 107—12.
- Neva-Clog Products, Inc.: *See*—  
Vogel, Rudolf. 2,726,393.
- Neveling, Fred J. 2,700,653, Cl. 252—75.
- Neville, Charles A., to Reclaimix, Inc. 2,701,213, Cl. 106—278.
- Neville, John W. 2,705,132, Cl. 259—151.
- Nevitt, Michael V.: *See*—  
Pulsifer, Verne, and Nevitt. 2,712,992.
- New, Harry E., to American Viscose Corp. 2,721,440, Cl. 57—2.
- Newark Brush Co.: *See*—  
Nielsen, Niels E. 2,705,855.
- New Bedford Cordage Co.: *See*—  
Snyder, Robert A. 2,713,938.
- Newberg, Raymond G., H. L. Wilson, and A. F. Sayko, to Esso Research and Engineering Co. 2,706,719, Cl. 260—28.5.
- Newberg, Raymond G., E. R. Littmann, and F. P. Ford, to Esso Research and Engineering Co. 2,714,568, Cl. 154—50.
- Newberry, Harold C.: *See*—  
Hoofstetter, Frank J., and Newberry. 2,718,106.
- Newbould, Henry G., to Ronald Trist & Co. Ltd. 2,725,439, Cl. 200—87.
- New Britain Machine Co., The: *See*—  
Hopgood, Roy C. 2,709,386.
- Pethybridge, Charles A. 2,698,545.
- Retz, William B. 2,709,598.
- Stephan, Hallis N. 2,713,811.
- Stephan, Hallis N. 2,718,819.
- Newburger, Morton: *See*—  
Melton, Carl M. 2,705,008.
- Newby, Neal D.: *See*—  
McGuigan, John H., Murphy, and Newby. 2,700,148.
- Newby, Neal D., to Bell Telephone Laboratories, Inc. 2,701,357, Cl. 340—364.
- Newby, Wales H., and H. L. Guidry, to Cotton Products Co., Inc. 2,726,159, Cl. 99—163.
- Newcomb, Daniel E. 2,705,638, Cl. 273—149.
- Newcomb, Philip P., to United Aircraft Corp. 2,698,711, Cl. 230—114.
- Newcomb, Robert D.: *See*—  
Williams, William E. 2,709,060.
- Newcomb, Walter J., to Burlington Engineering Co., Inc. 2,707,382, Cl. 68—184.
- Newcomb, Walter J., and E. H. Williamson, to Burlington Engineering Co., Inc. 2,701,957, Cl. 68—198.
- Newcomb, Walter J., and J. S. Williamson, to Burlington Engineering Co., Inc. 2,707,383, Cl. 68—189.
- Newcomer, Ernest J. 2,712,142, Cl. 15—50.
- Newcomer, Jack S., to Sharples Chemicals Inc. 2,698,820, Cl. 167—22.
- Newcomer, Jack S., to The Pennsylvania Salt Mfg. Co. 2,721,160, Cl. 167—30.
- Newcomer, Jack S., to The Pennsylvania Salt Mfg. Co. 2,722,497, Cl. 167—30.
- Newell, Ernest, & Co. Ltd.: *See*—  
Howden, Peter. 2,726,068.
- Newell, Floyd B., to Taylor Instrument Cos. 2,718,241, Cl. 137—785.
- Newell, Frank M., to Newell Mfg. Co. 2,703,907, Cl. 16—66.
- Newell, Frederick T., and R. E. Risley, to Dresser Industries, Inc. 2,708,307, Cl. 29—463.
- Newell, George K., to Westinghouse Air Brake Co. 2,720,429, Cl. 303—22.
- Newell, George K., to Westinghouse Air Brake Co. 2,721,769, Cl. 303—22.
- Newell Mfg. Co.: *See*—  
Newell, Frank M. 2,703,907.
- Newell, Murray, and R. B. Praytor. 2,722,051, Cl. 30—6.1.
- Newell, William H.: *See*—  
Ford, Hannibal C., Crooke, and Newell. 2,702,667.
- New England Bedding Co.: *See*—  
Feldman, Jacob C. 2,702,583.
- New England Carbide Tool Co., Inc.: *See*—  
Tengberg, Evert R. 2,728,558.
- New England Gear Works: *See*—  
Markley, Joseph M. 2,723,830.
- New England Spectrochemical Laboratories: *See*—  
Norman, Daniel P. 2,727,033.
- Newey, Herbert A.: *See*—  
Bradley, Theodore F., and Newey. 2,716,099.
- Newhall, Almer M., Jr. 2,709,210, Cl. 200—142.
- Newhall, William F., to Merck & Co., Inc. 2,720,542, Cl. 260—590.
- New Holland Machine Division of the Sperry Corp.: *See*—  
Best, Albert M. 2,699,337.
- New Holland Machine Division of The Sperry Corp., The: *See*—  
Babcock, Richard E., Jr. 2,714,968.
- Lavers, Albert W. 2,711,742.
- Skromme, Lawrence H., and West. 2,712,388.
- West, James R. 2,711,836.
- West, James R. 2,712,412.
- Newhouse, Frank J., and L. L. Kepkay, to Massey-Harris-Ferguson Ltd. 2,708,396, Cl. 97—26.
- Newhouse, Frank J., and L. L. Kepkay, to Massey-Harris-Ferguson Ltd. 2,720,930, Cl. 180—14.5.
- Newhouse, John S.: *See*—  
Record, Truman. 2,708,551.
- Newhouser, Lloyd R.: *See*—  
Rane, Leo, and Newhouser. 2,726,235.
- New Jersey Machine Corp.: *See*—  
Neftzger, Hans A. 2,707,915.
- Van Hofe, George W. Re. 24,097.
- Von Hofe, George W. 2,720,995.
- Von Hofe, George W. 2,725,101.
- Von Hofe, George W., and Wolff. 2,703,660.
- Von Hofe, George W., and Wolff. 2,723,775.
- Wolff, Edwin K., Voltmer, and Neimeier. 2,726,861.
- New Jersey Optical Co.: *See*—  
Cook, Roland T. 2,711,671.
- New Jersey Zinc Co., The: *See*—  
Cyr, Howard M., Griffith, and McFarland. 2,723,903.
- Newkirk, Francis F., to American Sisalkraft Corp. 2,726,183, Cl. 154—53.5.
- Newland, Clarence D., and E. L. Cranford. 2,715,897, Cl. 126—29.
- Newman, Allen F., and E. H. King. 2,726,901, Cl. 304—31.5.
- Newman, Charles: *See*—  
Moerke, Ned H., and Newman. 2,707,033.
- Newman, Douglas A., to Columbia Ribbon and Carbon Mfg. Co., Inc. 2,713,822, Cl. 101—149.2.
- Newman, Edgar W. 2,722,077, Cl. 43—17.2.
- Newman, James A., to E. I. du Pont de Nemours and Co. 2,699,592, Cl. 26—18.5.
- Newman, John M., and S. M. Strand, Sr., to Cutler-Hammer, Inc. 2,707,254, Cl. 318—6.
- Newman, Louis B. 2,705,290, Cl. 250—88.
- Newman, Luther B. 2,728,860, Cl. 250—79.
- Newman, Lyman B. 2,719,518, Cl. 123—120.
- Newman, Melvin S., and S. Swaminathan, to The Ohio State University Research Foundation. 2,714,615, Cl. 260—586.
- Newman, Milton: *See*—  
Weinreich, Sol, and Newman. 2,699,297.
- Newman, Richard. 2,720,189, Cl. 120—8.
- Newman, Stanley W.: *See*—  
Milner, Harry C., and Newman. 2,698,608.
- Newman, Theodore J.: *See*—  
Jorgensen, Paul S., and Newman. 2,718,789.
- Newmark, Marshall F., to Progressive Products, Inc. 2,703,087, Cl. 128—359.
- Newmont Mining Corp.: *See*—  
Brant, Arthur A. 2,728,405.
- Newpher, Charles R.: *See*—  
Jenner, William C., Wick, and Newpher. 2,713,715.
- Newport Industries, Inc.: *See*—  
Bibb, Carlisle H., and Leonard. 2,714,553.
- Richardson, Henry M. 2,703,051.
- New Products Corp.: *See*—  
Banker, Oscar H. 2,719,440.
- Banker, Oscar H. 2,723,735.
- Lapsley, Robert, and Banker. 2,722,133.
- Newsom, Kitchener K. 2,702,682, Cl. 248—120.
- Newsom, Kitchener K., and A. R. Theibault, to Rosenbaum "Q-B-KI" Parking Co. 2,726,774, Cl. 214—16.1.
- Newsom, Paul E. 2,717,993, Cl. 340—271.
- Newsome, Philip T.: *See*—  
Sweet, Sterling S., Van Horn, and Newsome. 2,710,848.



- News Syndicate Co., Inc.: *See*—  
Lando, Fred. 2,700,609.
- Newton, Alwin B., and R. S. Drake, to Acme Industries, Inc. 2,728,206, Cl. 62—140.
- Newton, Catherine H.: *See*—  
Brandon, Clarence W. 2,716,958.  
Brandon, Clarence W. 2,720,082.  
Brandon, Clarence W. 2,720,181.  
Brandon, Clarence W. 2,720,182.  
Brandon, Clarence W. 2,724,357.
- Newton, Gaylord W.: *See*—  
Wright, Gilbert F., and Newton. 2,702,537.
- Newton, George C.: *See*—  
Holman, Herbert E., and Newton. 2,716,921.
- Newton, John C., and M. I. Beers, to Sperry Rand Corp. 2,724,564, Cl. 244—77.
- Newton, Ralph W., to John H. Breck, Inc. 2,705,011, Cl. 128—359.
- Newton, Ralph W., 1/2 to C. Fishberg. 2,708,030, Cl. 206—52.
- Newton, Thomas F. 2,708,335, Cl. 56—25.4.
- Newton, William H., to The Jeffrey Mfg. Co. 2,698,685, Cl. 209—223.
- New-View Window Co.: *See*—  
Ryan, George E., and Wilkinson. 2,721,361.
- New Wrinkle, Inc.: *See*—  
Drummond, Folsom E. 2,725,363.
- New York Air Brake Co., The: *See*—  
Hodgson, Robert F. 2,710,628.  
Huber, Matthew W. 2,710,206.  
Huber, Matthew W. 2,712,954.  
Huber, Matthew W. 2,713,828.  
Pickert, Lynn I., and Sudduth. 2,725,261.  
Rohrberg, Paul W. 2,726,735.  
Rosaen, Oscar E. 2,710,581.  
Safford, Lewis A. 2,720,887.  
Stacey, Hugh J. 2,711,717.  
Sudduth, Henry N. 2,702,612.  
Sudduth, Henry N. 2,722,442.  
Van Atta, Chester M. 2,721,694.
- New York Quinine and Chemical Works, Inc., The: *See*—  
Baizer, Manuel M. 2,728,773.
- New York State College of Forestry, The: *See*—  
Libby, Clarence E., and O'Neil. 2,713,540.
- New York University: *See*—  
Arkell, William C., Mallina, and Braun. 2,700,227.
- New York Wire Cloth Co.: *See*—  
Houghton, Daniel E. 2,702,566.  
Turner, Robert P., Jr. 2,728,390.
- Ney, William O., Jr.: *See*—  
Barnes, Carl E., Ney, and Nummy. 2,711,398.
- Niagara Alkali Co.: *See*—  
Casciani, Ferri, and Lang. 2,715,608.
- Niagara Machine & Tool Works: *See*—  
Munschauer, Frederick E. 2,708,993.  
Munschauer, Frederick E. 2,722,298.
- Nicholas, Andrew J. 2,708,533, Cl. 222—146.
- Nicholas, James H., to G & W Electric Specialty Co. 2,727,938, Cl. 174—19.
- Nicholas, William: *See*—  
Baker, Willard C., and Nicholas. 2,705,470.
- Nicholides, Emmanuel C., to Dictograph Products Co., Inc. 2,718,563, Cl. 179—146.
- Nicholl, Edward J., to Dowty Equipment Ltd. 2,725,077, Cl. 137—623.
- Nichols, Anthony, to Celluplastic Corp. 2,721,595, Cl. 150—5.
- Nichols, Charles A.: *See*—  
Edmunson, William C., Nichols, and Fletcher. 2,711,491.
- Nichols, Charles A., to General Motors Corp. 2,723,918, Cl. 117—18.
- Nichols, Charles A., and G. L. Weiser, to General Motors Corp. 2,699,080, Cl. 80—1.
- Nichols, Charles F.: *See*—  
Rilling, Hugh P., and Nichols. 2,725,277.
- Nichols, Edward C., to Draper Corp. 2,718,242, Cl. 139—266.
- Nichols, Edward C., to Draper Corp. 2,727,539, Cl. 139—231.
- Nichols, Elton F., to C. A. Sprague. 2,727,494, Cl. 121—150.
- Nichols Engineering Co.: *See*—  
Converse, John O. 2,716,949.
- Nichols Engineering Co., The: *See*—  
Toussaint, Richard P. 2,722,230.
- Nichols, Floyd. 2,718,692, Cl. 21—150.
- Nichols, Frederick S., to L. R. Moulton Co., Inc. 2,708,479, Cl. 160—348.
- Nichols, Gordon E., to Winthrop-Atkins Co., Inc. 2,698,493, Cl. 40—120.
- Nichols, Harry J. 2,699,221, Cl. 170—160.47.
- Nichols, Harry J. 2,705,537, Cl. 170—160.22.
- Nichols, Harry J. 2,717,652, Cl. 170—160.32.
- Nichols, Laurie E.: *See*—  
Miller, Donald B., and Nichols. 2,705,613.
- Nichols, Mark R. 2,726,725, Cl. 170—135.28.
- Nichols, Morgan. 2,706,055, Cl. 214—86.
- Nichols, Nathaniel B., to Taylor Instrument Companies. 2,718,794, Cl. 74—516.
- Nichols, Nathaniel B., and C. H. Rider, to the United States of America as represented by the Secretary of the Navy. 2,716,894, Cl. 74—5.41.
- Nichols, Richard W. 2,706,902, Cl. 70—456.
- Nichols, Robert G.: *See*—  
Reeves, Arthur E. 2,709,391.
- Nichols, William I. 2,723,625, Cl. 103—179.
- Nicholson, Andrew: *See*—  
Hyams, Montagu, and Nicholson. 2,702,768.
- Nicholson, Clifford M., to The Ohio State University Research Foundation. 2,706,844, Cl. 25—156.
- Nicholson, Edward W. S.: *See*—  
Hemminger, Charles E., Nicholson, and Voorhies. 2,701,787.
- Nicholson, Edward W. S., to Esso Research and Engineering Co. 2,717,855, Cl. 196—24.
- Nicholson, Edward W. S., to Esso Research and Engineering Co. 2,721,167, Cl. 196—50.
- Nicholson, Edward W. S., to Esso Research and Engineering Co. 2,723,223, Cl. 196—52.
- Nicholson, Edward W. S., to Esso Research and Engineering Co. 2,724,686, Cl. 196—52.
- Nicholson, George G., to Davy and United Engineering Co. Ltd. 2,716,450, Cl. 164—68.
- Nicholson, Harold M., to Power Jets (Research and Development) Ltd. 2,704,440, Cl. 60—39.65.
- Nicholson, Kenneth C., to The Carborundum Co. 2,699,036, Cl. 60—35.6.
- Nicholson, Robert T.: *See*—  
Rorig, Kurt J., and Nicholson. 2,710,867.
- Nichta, John J., to The Warner & Swasey Co. 2,714,926, Cl. 160—191.
- Nickel, Howard G. 2,699,538, Cl. 340—237.
- Nickel, Willard T.: *See*—  
Gardiner, Arthur W., Gaubatz, Nickel, Dolza, and Perish. 2,708,426.
- Jorgensen, Clarence H., Nickel, and Dietrich. 2,710,522.
- Jorgensen, Clarence H., Nickel, Dietrich, and Boughton. 2,698,654.
- Nickell, Hershell A., and T. I. Maslin, to General Electric Co. 2,712,580, Cl. 200—166.
- Nickerson, Douglas B., to Aerojet-General Corp. 2,712,827, Cl. 137—98.
- Nickerson, Elmer K., to The Chapman Valve Mfg. Co. 2,711,188, Cl. 137—527.8.
- Nickerson, Mortimer H.: *See*—  
De Bell, John M., and Nickerson. 2,715,615.
- Nickerson, Ralph F., to Monsanto Chemical Co. 2,701,218, Cl. 117—138.8.
- Nickerson, Ralph F., to Monsanto Chemical Co. 2,725,308, Cl. 117—65.
- Nickerson, Willie E. 2,727,633, Cl. 210—149.
- Nicklasson, Sven M. A.: *See*—  
Oberg, Sven, and Nicklasson. 2,728,316.
- Nickle, Arthur G., to Nickle Engineering. 2,719,677, Cl. 241—141.
- Nickle Engineering: *See*—  
Nickle, Arthur G. 2,719,677.
- Nickle, Johnson W. 2,727,526, Cl. 137—382.
- Nickles, Edward B., to Manitowoc Shipbuilding Co. 2,710,199, Cl. 280—104.
- Nickles, Ned F., to General Motors Corp. 2,722,447, Cl. 293—63.
- Nickless, Allen E., to Universal Engineering Co. 2,719,722, Cl. 279—91.
- Nickols, Chester R.: *See*—  
Russell, Charles E., and Nickols. 2,699,207.  
Russell, Charles E., and Nickols. 2,704,554.
- Nicolai, Arduo L., to United States Rubber Co. 2,712,924, Cl. 257—95.
- Nicolai, Harold, and H. F. Kolze, to Vastine Engineering Co., Inc. 2,723,021, Cl. 198—213.
- Nicolaisen, Bernard H., and T. M. Jenney, to Olin Mathieson Chemical Corp. 2,708,209, Cl. 260—623.
- Nicolaisen, Bernard H., and J. N. Felger, to Olin Mathieson Chemical Corp. 2,715,061, Cl. 23—260.
- Nicolau, Luis L. 2,714,078, Cl. 117—139.5.
- Nicolaus, Frank G., to R. T. Moloney. 2,718,352, Cl. 232—44.
- Nicolaus, Frank G., to R. T. Moloney. 2,722,491, Cl. 273—126.
- Nicolaus, Frank G., to R. T. Moloney. 2,727,433, Cl. 88—27.
- Nicolet Paper Corp.: *See*—  
Fowler, Henry J., and Wenberg. 2,724,363.
- Nicoli, Ida J. 2,703,424, Cl. 15—228.
- Nicolin, Curt René. 2,702,987, Cl. 60—39.32.
- Nicoll, Frank S., Jr. 2,709,839, Cl. 20—42.
- Nicoll, Frederick H., to Radio Corp. of America. 2,705,764, Cl. 313—68.
- Nicoll, Frederick H., to Radio Corp. of America. 2,707,899, Cl. 88—1.
- Nicolls, Wilfrid E. W., to C. A. V. Ltd. 2,698,614, Cl. 123—140.
- Nicolosi, Robert V.: *See*—  
Bolsey, Jacques, Elison, and Nicolosi. 2,712,770.  
Bolsey, Jacques, Nicolosi, and Richartz. 2,698,546.
- Niconchuk, Alec W.: *See*—  
Ross, William C., and Niconchuk. 2,723,932.
- Nicosia, Chris and N. 2,698,750, Cl. 267—37.
- Nicosia, Nancy: *See*—  
Nicosia, Chris and N. 2,698,750.
- Nied, Herman F. 2,726,908, Cl. 309—23.
- Niederhauser, Warren D., to Rohm & Haas Co. 2,706,195, Cl. 260—247.
- Niederhauser, Warren D., to Rohm & Haas Co. 2,725,367, Cl. 260—78.5.
- Niedringhaus, Marion W. 2,709,547, Cl. 229—23.
- Niegowski, Sigismund J.: *See*—  
Hann, Victor A., and Niegowski. 2,703,312.
- Nield, Leslie C., to Tootal Broadhurst Lee Co. Ltd. 2,705,453, Cl. 101—288.
- Nielsen, Adolph. 2,711,929, Cl. 299—131.



- Nielsen, Harold R. : *See*—  
 Mahr, Julius A. 2,704,236.  
 Mahr, Julius A. 2,707,641.  
 Mahr, Julius A. 2,709,632.
- Nielsen, Howard O., to Sinko Mfg. & Tool Co. 2,702,928, Cl. 24—116.
- Nielsen, Kaj L. 2,713,205, Cl. 33—104.
- Nielsen, Moritz H., to Illinois Tool Works. 2,711,550, Cl. 10—155.
- Nielsen, Moritz H., to Illinois Tool Works. 2,716,761, Cl. 10—155.
- Nielsen, Moritz H., to Illinois Tool Works. 2,719,563, Cl. 153—64.5.
- Nielsen, Niels E., to Newark Brush Co. 2,705,855, Cl. 51—193.
- Nielson, Joseph D. 2,726,402, Cl. 2—247.
- Niemann, Arthur W., to Sound Apparatus Co. 2,702,736, Cl. 346—146.
- Niemczyk, Henry P. : *See*—  
 Fenner, Walter W. 2,727,363.
- Niemela, Reino J., to Jack & Heintz Precision Industries, Inc. 2,720,299, Cl. 192—104.
- Niemi, William, to The Leece-Neville Co. 2,723,323, Cl. 200—98.
- Nieter, Temple, to Motorola, Inc. 2,699,424, Cl. 204—15.
- Nieter, Temple, to Motorola, Inc. 2,699,425, Cl. 204—18.
- Nieter, Temple, to Motorola, Inc. 2,708,417, Cl. 118—11.
- Nigh, Robert R., and J. W. Randolph. 2,706,357, Cl. 43—3.
- Nigrelli, Biagio J., to Nekoosa-Edwards Paper Co. 2,699,881, Cl. 216—35.
- Nigro, Joseph G., to Gits Molding Corp. Re. 24,085, Cl. 62—108.5.
- Nigro, Joseph G. 2,708,833, Cl. 62—129.
- Nigro, Joseph G. 2,708,835, Cl. 62—140.
- Nigro, Joseph G., to Gits Molding Corp. 2,720,760, Cl. 62—108.5.
- Nika, Claire M. : *See*—  
 Nika, Louis and C. M. 2,712,653.
- Nika, Louis and C. M. (also known as P. C. Nika), to Jiffy Products. 2,712,653, Cl. 4—239.
- Nika, Peggy C. : *See*—  
 Nika, Louis and C. M. 2,712,653.
- Nikazy, Walter A. : *See*—  
 Burgy, Raymond A., and Nikazy. 2,728,416.
- Niklason, Don D. 2,713,609, Cl. 178—6.
- Nikles, Otho L., Jr. : *See*—  
 Howard, Harry W., Wittenwyler, and Nikles. 2,713,565.
- Nikola, John. 2,722,078, Cl. 43—36.
- Niles-Bement-Pond Co. : *See*—  
 Chandler, Milton E. 2,706,520.  
 Chandler, Milton E. 2,713,244.  
 Chandler, Milton E., and Holmes. 2,700,275.  
 Chandler, Milton E., and Wright. 2,720,752.  
 Drummond, Arthur P. 2,724,975.  
 Hoagland, Frank O. 2,720,875.  
 Lee, Leighton, II. 2,700,872.
- Niles, George E., to Monsanto Chemical Co. 2,712,994, Cl. 92—3.
- Nilles, Herbert G., Jr. : *See*—  
 Biltz, Francis J., and Nilles. 2,715,655.
- Nilson, Knut A., and J. Wleügel, to A/S Nordisk Aluminium-industri. 2,704,530, Cl. 118—224.
- Nilson, Arthur N., to Teletype Corp. 2,708,218, Cl. 178—25.
- Nilson, Harold, and J. H. Phenning, to Vulcan Mfg. Co., Inc. 2,708,882, Cl. 103—41.
- Nilson, James H. : *See*—  
 Westberg, Vernon C., and Nilson. 2,710,907.
- Nilsson, John C. : *See*—  
 Nilsson, John C. 2,728,144.
- Nilsson, Fabian. 2,704,934, Cl. 70—352.
- Nilsson, Gustav R., to Aktiebolaget Wikstrand & Berg, WIBE. 2,704,178, Cl. 228—18.
- Nilsson, Hans R. : *See*—  
 Lysholm, Alf, Boestad, and Nilsson. 2,720,935.
- Nilsson, Hans R., and T. I. Lindhagen, to J. C. Marble, L. M. Merrill, and P. H. Batten, trustees. 2,709,336, Cl. 60—35.6.
- Nilsson, John C., to Nilsson Cage Co., Inc. 2,728,144, Cl. 33—143.
- Nilsson, Karl A., to AB Svenska Maskinverken. 2,699,802, Cl. 138—90.
- Nilsson, Nils E., to Telefonaktiebolaget L M Ericsson. 2,714,630, Cl. 179—27.
- Nilsson, Nils E., to Telefonaktiebolaget L M. Ericsson. 2,727,947, Cl. 179—18.
- Nimmons, Frank L. 2,700,203, Cl. 28—28.
- Nims, Paul T., to Chrysler Corp. 2,699,218, Cl. 170—135.7.
- Nims, Philip A. : *See*—  
 Dion, Raymond F., and Nims. 2,703,589.
- Nims, Philip A., to Crompton & Knowles Loom Works. 2,720,895, Cl. 139—336.6.
- Nims, Philip A., to Crompton & Knowles Loom Works. 2,723,685, Cl. 139—233.
- Nirenberg, Lester, to The Lummus Co. 2,726,734, Cl. 183—115.
- Niro Corp. : *See*—  
 Nyrop, Johan E. 2,707,990.
- Nisbet, Alexander R., Jr. 2,701,435, Cl. 56—12.
- Nisbet, John L. 2,699,637, Cl. 56—30.
- Nisbet, John L. 2,706,373, Cl. 56—128.
- Nisbet, John L., and V. L. Johansen. 2,722,082, Cl. 43—141.
- Nisenson, Jules. 2,716,349, Cl. 74—209.
- Nisle, Robert G., to Phillips Petroleum Co. 2,718,145, Cl. 73—300.
- Nisperly, Walter E., and J. P. Rhome, to Louis Marx & Co., Inc. 2,710,174, Cl. 256—24.
- Nissen, James M. 2,721,102, Cl. 299—38.
- Nissen, Warren I. : *See*—  
 Burchett, Ray L., and Nissen. 2,711,645.  
 Garrett, Sherman S., Nissen, and Burchett. 2,728,335.
- Nissen, Warren I., to Ronson Corp. 2,708,842, Cl. 67—7.1.
- Nissen, Warren I., to Ronson Corp. 2,717,720, Cl. 222—82.
- Nissen, Warren I., to Ronson Corp. 2,719,421, Cl. 67—7.1.
- Nisser, Dan. 2,709,115, Cl. 301—41.
- Nitchie, Charles D., to Samuel M. Langston Co. 2,722,417, Cl. 271—50.
- Nitchie, Charles D., and W. J. Goettsch, to Samuel M. Langston Co. 2,728,274, Cl. 93—36.
- Nit-Ra-Cam Corp. : *See*—  
 McCartin, Joseph P. 2,701,481.
- Nitroglycerin Aktiebolaget : *See*—  
 Wetterholm, Gustav A., and Fossan. 2,702,824.
- Nitz, Otto W. 2,718,812, Cl. 88—24.
- Nitzel, Kenneth E., and N. R. McCluhan. 2,721,351, Cl. 15—250.5.
- Nitzsche, Siegfried, E. Kalb, and S. Fellermeier, to Wacker-Chemie G. m. b. H. 2,719,859, Cl. 260—448.2.
- Niven, William W., Jr., to Midwest Research Institute. 2,715,282, Cl. 34—10.
- Nixen, David, and R. B. Snyder, to The Rauland Corp. 2,713,754, Cl. 49—81.
- Nixon, William P., to Jack & Heintz, Inc. 2,710,359, Cl. 310—76.
- Nobbe, Jodie A. 2,707,020, Cl. 155—127.
- Noble, Bert. 2,715,039, Cl. 294—73.
- Noble, Grace A. : *See*—  
 Wallace, Richard B. 2,718,740.
- Noble, Hugh T. : *See*—  
 Chaloner, Sidney D., and McNicoll. 2,706,201.
- Noble, Wiley B., to Reed Roller Bit Co. 2,719,028, Cl. 255—313.
- Noble & Wood Machine Co., The : *See*—  
 Hayes, Frank. 2,725,794.
- Nockels, Paul F. : *See*—  
 Cox, Glenn H., and Smith. 2,709,029.
- Nocona Leather Goods Co. : *See*—  
 Tompkins, Walter T. 2,722,007.
- Noddin, George A. : *See*—  
 Davis, Clyde O., Lewis, and Noddin. 2,726,602.
- Noddin, George A., and M. E. Swanson, to E. I. du Pont de Nemours & Co. 2,707,437, Cl. 102—24.
- Noddin, George A., and C. P. Spaeth, to E. I. du Pont de Nemours & Co. 2,717,204, Cl. 52—2.
- Noe, Harold C., to Kidde Mfg. Co., Inc. 2,699,051, Cl. 66—86.
- Noe, Harold C., to Kidde Mfg. Co., Inc. 2,699,053, Cl. 66—121.
- Noé, Hermann : *See*—  
 Przybylski, Kurt, and Noé. 2,723,845.
- Noecker, Marshall V., to Kaufmann Corp. 2,728,388, Cl. 160—182.
- Noel, Edward B., to General Electric Co. 2,712,095, Cl. 315—57.
- Noel, Edward B., to General Electric Co. 2,716,713, Cl. 313—185.
- Noel, Edward B., to General Electric Co. 2,727,169, Cl. 313—38.
- Noel, William A., ½ to H. E. Pontius. 2,720,825, Cl. 98—55.
- Noelting, William H., and J. A. Skupas, to Faultless Caster Corp. 2,709,828, Cl. 16—35.
- Noftziger, Jay C., and A. Lima, Jr. ; said Lima, Jr., assor. to said Noftziger. 2,718,069, Cl. 34—232.
- Noguera, Joseph, to Casablanca High Draft Co. Ltd. 2,717,425, Cl. 19—131.
- Noguera, Joseph, to Casablanca High Draft Co. Ltd. 2,717,426, Cl. 19—135.
- Noguera, Joseph, to Casablanca High Draft Co. Ltd. 2,724,149, Cl. 19—139.
- Nolan Co., The : *See*—  
 Merritt, Glenn W. 2,726,364.
- Nolan, James H. 2,701,887, Cl. 12—142.
- Nolan, Nicholas J. 2,715,949, Cl. 184—91.
- Noland, Barton H. 2,714,009, Cl. 273—200.
- Noland, David B., and J. G. Briggs. 2,718,583, Cl. 219—38.
- Nolde, George V., to Marchant Calculators, Inc. 2,724,062, Cl. 307—105.
- Nolen, Lawrence M., ½ to V. W. Conn. 2,705,044, Cl. 155—189.
- Noll, Edward H. 2,727,750, Cl. 280—33.99.
- Noll, Heinrich A., to H. H. and H. Mfg. Co. 2,713,977, Cl. 241—79.
- Nolle, Alfred W. : *See*—  
 Rodman, Isaac P., Nolle, Chernosky, and Wood. 2,709,796.
- Noller, George W. : *See*—  
 Pompeo, Domenick J., Penther, and Noller. 2,703,628.
- Nolt, Edwin B., to The Sperry Corp. 2,712,042, Cl. 200—61.18.
- Nolt, Edwin B., to The Sperry Corp. 2,714,441, Cl. 198—170.
- Nolte, Albert C. : *See*—  
 Stempel, Laszlo M. 2,703,525.  
 Stempel, Laszlo M. 2,714,852.  
 White, Sidney Y. 2,708,255.
- Nolte, Louis C. : *See*—  
 Thorson, Arnett L., and Nolte. 2,715,303.
- Nomiya, Frank K. 2,714,218, Cl. 15—229.
- Nonemaker, Wilbur H., and C. S. Fritz. 2,716,391, Cl. 118—505.



- Nonnenmacher, Helmut: *See*—  
Oettinger, Willi, Nonnenmacher, von Fuener, and Reitz. 2,706,705.  
Von Fuener, Wilhelm, Oettinger, Nonnenmacher, and Reitz. 2,708,180.
- Nonnenmacher, Helmut, and W. von Fuener, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,705,733, Cl. 260—674.
- Nonnenmacher, Helmut, W. Oettinger, and O. Reitz, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,709,151, Cl. 196—53.
- Noon, Alonzo W. 2,711,799, Cl. 187—29.
- Noon, Alonzo W., to W. P. Elser. 2,712,860, Cl. 187—29.
- Noon, T. Cyril, to Thompson Products, Inc. 2,702,877, Cl. 317—157.
- Noon, T. Cyril, and W. R. Chapman, to Thompson Products, Inc. 2,707,866, Cl. 60—39.25.
- Noon, T. Cyril, and W. R. Chapman, to Thompson Products, Inc. 2,718,903, Cl. 137—623.
- Noonan, Richard E., to Aro Equipment Corp. 2,716,812, Cl. 30—94.
- Nooyen, Edward P. and W. J. 2,710,034, Cl. 146—107.
- Nooyen, Walter J.: *See*—  
Nooyen, Edward P. and W. J. 2,710,034.
- Nopco Chemical Co.: *See*—  
Cunder, Joseph, and Licata. 2,716,073.  
Klein, Howard C., and Chodroff. 2,702,816.  
Levy, Joseph, Chodroff, and Kapp. 2,716,122.  
Snook, Clark E. 2,715,614.
- Norberg, Donald A.: *See*—  
Hedenskoog, Ernest, Norberg, and Johnson. 2,723,123.
- Norberg, Knut E. 2,718,246, Cl. 144—117.
- Norbom, Ragnar A.,  $\frac{1}{2}$  to B. F. Fitch, and  $\frac{1}{2}$  to L. Fitch. 2,718,933, Cl. 183—63.
- Norby, Harold L.: *See*—  
Candlin, James E., Jr., Norby, Aylmer, and Peterson. 2,700,507.  
Hannum, Arthur J., and Norby. 2,728,856.
- Norcross, Austin S. 2,711,750, Cl. 137—92.
- Norcross, George A. 2,726,378, Cl. 340—250.
- Norcross, John H.: *See*—  
Dodge, Ronald D., Page, and Norcross. 2,720,959.
- Nord, Evan W., and B. Roberts, to The American Specialty Co. 2,704,168, Cl. 216—29.
- Nord, Oscar C.: *See*—  
Jacobi, Charles R., Nord, and Trubey. 2,726,114.
- Nordbak, Carl. 2,711,672, Cl. 88—74.
- Nordberg Mfg. Co.: *See*—  
Bader, Gerald L. 2,704,035.  
Burls, John P. 2,718,358.  
Cheyette, David A. 2,703,649.  
Froehlich, Kurt. 2,703,561.  
Grieshaber, Emil, and Froehlich. 2,706,490.  
Lieberherr, Hans U. 2,703,560.  
Rink, Robert J. 2,728,614.  
Talboys, Henry H. 2,702,951.  
Talboys, Henry H. 2,704,407.  
Talboys, Henry H. 2,714,357.
- Nordberg, Robert C.: *See*—  
Parker, Leon, and Nordberg. 2,718,461.
- Nordby, Edwin O. 2,708,115, Cl. 273—158.
- Nordell, Carl H. 2,727,627, Cl. 209—394.
- Norden, Alexander R., to Federal Electric Products Co. 2,704,315, Cl. 200—147.
- Norden, Carl L., to The Norden Laboratories Corp. 2,699,611, Cl. 33—205.5.
- Norden, Carl L., to the United States of America as represented by the Secretary of the Navy. 2,703,932, Cl. 33—46.5.
- Norden-Ketay Corp.: *See*—  
Harris, Lawrence. 2,716,734.
- Norden Laboratories Corp., The: *See*—  
Mead, John A., and Mathiesen. 2,703,935.
- Norden, Carl L. 2,699,611.
- Nordenson, Williard H., to Deere Mfg. Co. 2,702,724, Cl. 301—9.
- Nordenstam, Norris. 2,704,054, Cl. 121—164.
- Nordgard, Per O. 2,700,573, Cl. 298—5.
- Nordheim, Jonas. 2,725,853, Cl. 119—124.
- Nordischer Maschinenbau Rud. Baader: *See*—  
Schlichting, Karl F. 2,704,378.
- Nordischer Maschinenbau Rudolf Baader: *See*—  
Baader, Rudolf. 2,704,377.
- Nordmark, Walter E.: *See*—  
Hoven, Alfred C., and Nordmark. 2,705,526.  
Hoven, Alfred C., and Nordmark. 2,717,026.  
Hoven, Alfred C., and Nordmark. 2,719,570.  
Hoven, Alfred C., and Nordmark. 2,726,826.  
Hoven, Alfred C., Nordmark, and Lindberg. 2,719,771.
- Nordmark, Walter E., to American Seating Co. 2,706,516, Cl. 155—188.
- Nordmark, Walter E., and A. C. Hoven, to American Seating Co. 2,701,693, Cl. 242—107.
- Nordone, Nicholas, to The Patent Scaffolding Co., Inc. 2,716,576, Cl. 304—40.
- Nordquist, Ronald E. J., to American Can Co. 2,698,693, Cl. 214—6.
- Nordquist, Ronald E. J., to American Can Co. 2,702,120, Cl. 209—121.
- Nordstrom, Carl E. 2,714,815, Cl. 70—211.
- Nordt, Herbert, and D. Delfs, to Farbenfabriken Bayer Aktiengesellschaft. 2,704,766, Cl. 260—343.2.
- Nordyke, Horace W., Jr., to International Business Machines Corp. 2,717,928, Cl. 179—100.2.
- Norell, Lester W., and H. A. Sowle. 2,701,826, Cl. 200—61.42.
- Norenberg, Otto V., to Aktiebolaget Separator. 2,727,493, Cl. 119—96.
- Norfleet, Charles M.,  $\frac{1}{4}$  to C. M. Norfleet, Jr.,  $\frac{1}{4}$  to M. E. Miller, and  $\frac{1}{4}$  to W. Blackwell. 2,724,917, Cl. 40—129.
- Norfleet, Charles M., Jr.: *See*—  
Norfleet, Charles M. 2,724,917.
- Norgaard, Jens A., to Standard Oil Co. 2,705,627, Cl. 263—5.
- Norgorden, Oscar, W. A. White, and R. W. Hayward. 2,710,960, Cl. 343—118.
- Norgren, C. A., Co.: *See*—  
Faust, Delbert G. 2,710,073.  
Faust, Delbert G., and Wilson. 2,726,732.  
Norgren, Carl A., and Faust. 2,718,934.
- Norgren, Carl A., and D. G. Faust, to C. A. Norgren Co. 2,718,934, Cl. 184—55.
- Norkus, Charles F., to Bendix Aviation Corp. 2,713,758, Cl. 51—184.1.
- Norma-Hoffmann Bearings Corp.: *See*—  
Anderson, Warren D. 2,700,298.
- Norman, Edward A., Jr., and C. A. Reichelderfer, to Norman Products Co. 2,704,537, Cl. 126—90.
- Norman, Daniel P., to Globe Envelopes Ltd. 2,708,544, Cl. 229—3.1.
- Norman, Daniel P., to Globe Envelopes Ltd. 2,708,645, Cl. 117—155.
- Norman, Daniel P., to Pacific Mills. 2,717,901, Cl. 260—412.5.
- Norman, Daniel P., to Pacific Mills. 2,723,281, Cl. 260—412.8.
- Norman, Daniel P., to New England Spectrochemical Laboratories. 2,727,033, Cl. 260—209.5.
- Norman, Harry H., to Zig Zag Spring Co. 2,708,964, Cl. 155—179.
- Norman, John H., and W. J. Anderson, to H. H. Darbo. 2,714,318, Cl. 77—60.
- Norman, Norman W., to E. A. Grange. 2,701,740, Cl. 301—5.7.
- Norman Products Co.: *See*—  
Norman, Edward A., Jr., and Reichelderfer. 2,704,537.  
Reichelderfer, Charles A. 2,704,571.
- Norman, Samuel J., to George Kent Ltd. 2,709,125, Cl. 346—138.
- Norman, Wayne A.: *See*—  
Adams, Paul L., Norman, and Sitterly. 2,716,447.
- Normington, James B.: *See*—  
Kartinos, Nicholas J., and Normington. 2,708,149.
- Norris, Archie B. 2,723,583, Cl. 84—454.
- Norris, Edward O. 2,703,257, Cl. 299—63.
- Norris, Frank W.: *See*—  
Fulton, Roy B., McKee, and Norris. 2,728,182.
- Norris, George R. 2,715,924, Cl. 144—205.
- Norris, John R. 2,708,136, Cl. 296—44.
- Norris, Karl H.: *See*—  
Brant, Albert W., and Norris. 2,700,321.
- Norris, Kenneth T., to Norris-Thermador Corp. 2,715,960, Cl. 206—3.
- Norris, Raymond C., and C. A. Price. 2,725,842, Cl. 114—208.
- Norris, Reginald J.: *See*—  
King, Charles G. A., and Norris. 2,698,997.
- Norris, Rollin H., to General Electric Co. 2,702,870, Cl. 310—64.
- Norris-Thermador Corp.: *See*—  
Norris, Kenneth T. 2,715,960.
- Norris, William A. 2,703,173, Cl. 206—48.
- Norsk Hydro-Elektrisk Kvaestofaktieselskab: *See*—  
Jahnsen, Ragnar A. 2,721,529.
- North Electric Mfg. Co., The: *See*—  
Blackhall, James M., Baker, and Dahlman. 2,717,278.
- North, Esther: *See*—  
North, John and E. 2,702,081.
- North, Harold D. 2,706,464, Cl. 116—121.
- North, Harold D., Jr., and D. O. Phillips, to The Engine Parts Mfg. Co. 2,706,133, Cl. 299—39.
- North, Harold D., Jr., and R. J. Stetz, to The Engine Parts Mfg. Co. 2,726,027, Cl. 226—70.
- North, Harper Q., to General Electric Co. 2,704,818, Cl. 317—236.
- North, Harper Q., to Hughes Aircraft Co. 2,708,646, Cl. 148—1.5.
- North, Harper Q., to General Electric Co. 2,712,621, Cl. 317—239.
- North, Harper Q., to General Electric Co. 2,717,341, Cl. 317—235.
- North, Henry W., to Dravo Corp. 2,715,477, Cl. 220—55.
- North, John and E. 2,702,081, Cl. 160—120.
- North American Aviation, Inc.: *See*—  
Alexander, Ralph E. 2,703,311.  
Bolte, Frank B. 2,707,810.  
Bower, John L. 2,725,199.  
Bumb, Richard C. 2,721,446.  
Campbell, David H. 2,710,918.  
Clay, Eugene O., and Gehrken. 2,704,387.  
Corral, Joseph S. 2,726,972.  
Corral, Joseph S. 2,726,973.  
Darby, Vene L. 2,718,366.  
Detzer, Stephen. 2,720,369.  
Evans, Howard A., and Gagnier. 2,702,346.  
Frost, Louis E., and Lewis. 2,706,832.  
Gabler, Raymond T. 2,707,752.  
Green, Robert G. 2,728,030.  
Henrichsen, Knut. Re. 23,993.  
Henrichsen, Knut. 2,721,519.  
Henrichsen, Knut. 2,723,649.



- North American Aviation, Inc.: *See*—Continued.  
 Horsfall, Robert B., Jr. 2,707,898.  
 Kabuss, Norbert G., Higa, and Woerdemann. 2,709,759.  
 Leitch, Donald M. 2,721,046.  
 Mullins, William D., Jr., and Smith. 2,726,545.  
 Nadler, Max A., and Medick. 2,713,378.  
 Paselk, Robert A., Huisman, and Lo Bue. 2,723,092.  
 Payne, Fred A., Jr. 2,720,368.  
 Peed, Garland P., Jr. 2,719,684.  
 Peterson, Paul F. 2,719,459.  
 Pryga, Stanley A. 2,727,232.  
 Quirolo, Charles F., and Thurber. 2,724,669.  
 Sawyer, Bruce A. 2,700,127.  
 Seid, Eugene. 2,727,194.  
 Taylor, Clarence P. 2,702,108.  
 Trimman, Eugene L. 2,724,918.  
 Wilcox, Doyle E. 2,711,590.  
 Woerdemann, Hugo H. 2,700,128.
- North American Lace Co., Inc.: *See*—  
 Wheatcroft, Arthur C. 2,723,586.  
 Wheatcroft, Arthur C. 2,723,588.  
 Wheatcroft, Arthur C., and Varney. 2,723,587.
- North American Philips Co., Inc.: *See*—  
 Coppola, Patrick P., and Hughes. 2,722,626.  
 Espersen, George A. 2,698,913.  
 Hughes, Ray C., and Coppola. 2,716,716.  
 Hughes, Ray C., Coppola, and Rittner. 2,700,118.  
 Levi, Roberto. 2,721,372.  
 Levi, Roberto, and Hughes. 2,700,000.  
 Parrish, William, Lowitzsch, and Hamacher. 2,759,752.  
 Rittner, Edmund S., and Fine. 2,727,968.
- Northcote, John A., to John Deere Plow Co. (Ltd.). 2,721,525, Cl. 111—52.
- Northcutt, Robert T., Jr., to Food Concentrates, Inc. 2,702,247, Cl. 99—154.
- Northeast Tool and Die Works, Inc.: *See*—  
 Peterson, Wilber P. 2,710,334.
- Northern Electric Co., Ltd.: *See*—  
 Clark-Riede, John R. 2,725,971.  
 Kerr, Robert A. 2,706,376.  
 Lanham, Edward H. 2,713,090.  
 Russell, Samuel I., Jr. 2,708,223.  
 Tims, Walter R. 2,701,818.
- Northern Engraving & Mfg. Co.: *See*—  
 Peters, Edward O. 2,724,988.  
 Peters, Edward O., and Brietzke. 2,700,917.
- Northern Trust Co., The: *See*—  
 Shafer, Julius E. 2,705,160.  
 Shafer, Julius E. 2,705,161.
- Northern Indiana Brass Co.: *See*—  
 Wurzbarger, Paul D. 2,715,432.
- Northgraves, Walter W.: *See*—  
 Troyan, James E., and Northgraves. 2,726,271.
- Northrop Aircraft, Inc.: *See*—  
 Ackerlind, Erik. 2,700,632.  
 Ackerlind, Erik. 2,700,634.  
 Ackerlind, Erik. 2,713,680.  
 Amster, Warren H., Holleman, and Browne. 2,712,420.  
 Balsam, Louis L. 2,713,727.  
 Bareford, Robert E. 2,702,889.  
 Carlstrand, Ralph H., Howard, and Gayman. 2,711,648.  
 Clifton, John R. 2,721,714.  
 Crandall, Ronald E. 2,699,687.  
 Dixon, Bruce E. 2,708,369.  
 Dixon, Bruce E. 2,709,244.  
 Dixon, Bruce E. 2,713,726.  
 Feeney, Thomas A., and Browne. 2,711,867.  
 Foreman, Lonnie G., and Ozenne. 2,705,375.  
 Grill, Raymond E. 2,706,431.  
 Hagen, Glenn E. 2,717,987.  
 Hancock, Robert D. 2,715,696.  
 Heilig, Louis F. 2,727,706.  
 Henderson, Henry W. 2,704,675.  
 Herman, Dick R. 2,727,428.  
 Higbee, Wilmer L., and Davis. 2,721,783.  
 Hock, James W., and Vernier. 2,705,889.  
 Hyden, Irwin F. 2,727,223.  
 James, Richard D. 2,720,619.  
 Jonas, Julius. 2,711,842.  
 Kraybill, Daniel W. 2,719,500.  
 Lampman, James A. 2,706,309.  
 Lazier, Allan C. 2,705,898.  
 Lee, William M., and Jonas. 2,699,906.  
 Magnuson, Vernon P. 2,723,346.  
 Motis, Gilbert M. 2,710,974.  
 Murphy, Joseph W. 2,721,781.  
 Northrop, John K., Brosterhouse, Dunn, Ellison, and Herman. 2,724,966.  
 Peterson, Walter E. 2,728,868.  
 Price, Kenneth A., and Graham. 2,723,093.  
 Rishel, Robert L., and Henry. 2,718,877.  
 Schreiber, Ralph B. 2,713,467.  
 Siefert, John T. Sr. 2,699,933.  
 Smith, Webster D. 2,709,608.  
 Sprague, Richard E. 2,712,130.  
 Steele, Floyd G. 2,704,431.  
 Vogel, Alvin R. 2,700,791.  
 Vogel, Alvin R. 2,704,646.  
 White, Walter H. 2,706,259.  
 Wigmore, John R. 2,726,667.  
 Williams, Charles R. 2,707,766.  
 Williams, Charles R. 2,723,365.
- Northrop, John K., C. A. Brosterhouse, L. E. Dunn, J. M. Ellison, and D. R. Herman, to Northrop Aircraft, Inc. 2,724,966, Cl. 73—147.
- Northrup, King & Co.: *See*—  
 Kobs, Roger D. 2,723,766.
- North Wayne Tool Co.: *See*—  
 Wallace, Eldridge W. 2,716,281.
- Northwest Plastics, Inc.: *See*—  
 Laughlin, Clayton A. 2,716,147.
- Northwestern National Bank of Minneapolis: *See*—  
 Graham, Maurice H. 2,720,154.  
 Graham, Maurice H. 2,720,155.  
 Griesemer, Harry E. 2,724,081.
- Northwestern Steel and Wire Co.: *See*—  
 Bell, George W. 2,703,550.  
 Bell, George W. 2,703,686.  
 Griesemer, Harry E. 2,712,837.
- Norton Co.: *See*—  
 Alvord, Charles C. 2,723,504.  
 Coes, Loring, Jr. 2,725,286.  
 Comstock, George E., 3d. 2,708,260.  
 Comstock, George E., 3rd. 2,718,732.  
 Green, Clarence J. 2,710,495.  
 Hill, Olva E. 2,720,063.  
 Hill, Olva E. 2,722,088.  
 Indge, Herbert S. 2,709,321.  
 Indge, Herbert S. 2,709,876.  
 Indge, Herbert S. 2,715,800.  
 Jeppson, George N. 2,724,222.  
 Kistler, Samuel S. Re. 23,976.  
 Mader, Stewart S. 2,723,503.  
 Narel, Joseph W. 2,723,500.  
 St. André, Edward F. 2,708,433.  
 Silven, Herbert A. 2,710,494.  
 Soderlund, Carl. 2,704,912.  
 Soderlund, Carl. 2,704,913.  
 Stone, Hyman N. 2,708,622.  
 Ueltz, Herbert F. G. 2,726,160.  
 Wheildon, William M., Jr. 2,707,691.
- Norton, Douglas G.: *See*—  
 Smith, Curtis W., and Norton. 2,702,823.
- Norton, Edward L.: *See*—  
 Head, George A., and Norton. 2,702,186.
- Norton, Frederick H., to The Dow Chemical Co. 2,705,245, Cl. 260—570.
- Norton, Jane D.: *See*—  
 Duncan, Morris C. 2,702,836.
- Norton, Leona E. C.: *See*—  
 Conrad, Norman L. 2,702,710.
- Norton, Lowell E., to Radio Corp. of America. 2,707,233, Cl. 250—36.
- Norton, Lowell E., to Radio Corp. of America. 2,714,661, Cl. 250—36.
- Norton, Lowell E., to Radio Corp. of America. 2,714,662, Cl. 250—36.
- Norton, Lowell E., to Radio Corp. of America. 2,714,663, Cl. 250—36.
- Norton, Lowell E., to Radio Corp. of America. 2,716,704, Cl. 250—36.
- Norton, Lowell E., to Radio Corp. of America. 2,728,855, Cl. 250—36.
- Norton, Luther R., and H. Katzen. 2,707,858, Cl. 56—25.4.
- Norton, Mahlon H., to Petcar Research Corp. 2,709,799, Cl. 340—227.
- Norton, Mahlon H., to Petcar Research Corp. 2,728,069, Cl. 340—227.
- Norton, Marjorie: *See*—  
 Vogler, Selma D., and Norton. 2,725,566.
- Norton, Robert E. 2,711,618, Cl. 51—186.
- Norton, Robert J.: *See*—  
 Wheeler, Benjamin F., Norton, and Collins. 2,706,286.
- Norton, Samuel H., to Thompson Products, Inc. 2,699,209, Cl. 164—110.
- Norton, Samuel H., to Thompson Products, Inc. 2,704,422, Cl. 51—74.
- Norton, Samuel H., to Thompson Products, Inc. 2,705,486, Cl. 123—188.
- Norton, Ted R., to The Dow Chemical Co. 2,703,802, Cl. 260—247.2.
- Norton, Ted R., to The Dow Chemical Co. 2,711,414, Cl. 260—332.3.
- Norton, Ted R., and M. W. Martin, to The Dow Chemical Co. 2,723,982, Cl. 260—332.3.
- Norton, Thomas P.: *See*—  
 Schnitzler, Meyer J., Norton, and Kindred. 2,707,551.  
 Stark, Sidney, Evans, Fischer, and Norton. 2,723,528.
- Norton, William C., and I. Herman, to the United States of America as represented by the Secretary of the Army. 2,724,334, Cl. 102—52.
- Norton, William H., to Thermel, Inc. 2,725,457, Cl. 219—38.
- Norwich Pharmacal Co., The: *See*—  
 Geyer, Gabriel, and Ward. 2,726,241.  
 Hayes, Kenyon J. 2,702,292.  
 Ward, William C. 2,702,779.
- Norwood, Ernest L., and L. D. Brennaman. 2,703,950, Cl. 51—125.
- Norwood Products Co.: *See*—  
 Lippl, Dominic M. 2,710,593.
- Norwood, Ronald M., and L. F. Pepino, to Richards-Wilcox Canadian Co., Ltd. 2,723,119, Cl. 20—68.



- No-Sag Spring Co.: *See*—  
 Haberstump, Alfred H. 2,701,008.  
 Hopkes, Henry. 2,698,649.  
 Mouw, Andrew. 2,710,648.  
 Weinberger, Paul. 2,709,483.  
 Weiss, Oscar. 2,700,409.
- Nosco Plastics, Inc.: *See*—  
 Roehrl, Bruno C., and Cloyd. 2,726,482.
- Nosik, William A. 2,721,552, Cl. 128—272.
- Nosin, David. 2,707,294, Cl. 15—130.
- Noss, Kornelius: *See*—  
 Steiner, Ernst, Noss, and Dauner. 2,728,036.
- Notar, Joseph C., and L. W. Woolfolk: said Notar assor. to said Woolfolk. 2,718,334, Cl. 222—133.
- Nothnagle, Kathryn E.: *See*—  
 Schwartz, Morris A., and Nothnagle. 2,718,142.
- Nothstein, Louis I.: *See*—  
 Griset, Ernest J., Jr., Godehn, Nothstein, and Whitehurst. 2,724,956.
- Nottebohm, Carl L., to Pellon Corp. 2,719,795, Cl. 117—11.  
 Nottebohm, Carl L., to Pellon Corp. 2,719,802, Cl. 154—46.  
 Nottebohm, Carl L., to Pellon Corp. 2,719,803, Cl. 154—46.  
 Nottebohm, Carl L., to Pellon Corp. 2,719,806, Cl. 154—101.
- Nottingham, Robert B.: *See*—  
 Hale, James F., Nottingham, and Pitz. 2,712,501.
- Notz, Rudolph, to Nestor Johnson Mfg. Co. 2,706,117, Cl. 273—149.
- Novack, Michael P. 2,698,689, Cl. 211—34.
- Novack, Walter C. 2,711,045, Cl. 43—20.
- Novak, Charles F.: *See*—  
 Berlin, Aaron S., Classen, Novak, and Hawkins. 2,723,554.
- Novak, Izador J., to Raybestos-Manhattan, Inc. 2,711,822, Cl. 209—166.
- Novak, Leo J., to The Commonwealth Engineering Co. of Ohio. 2,708,519, Cl. 210—42.5.
- Novak, Leo J., and M. D. Ford, to The Commonwealth Engineering Co. of Ohio. 2,728,342, Cl. 128—221.
- Novak, Stanley W. 2,716,362, Cl. 81—17.5.
- Nove, Sidney. 2,709,426, Cl. 124—21.
- Novello, Frederick C., to Merck & Co., Inc. 2,726,260, Cl. 260—483.
- Novi Equipment Co.: *See*—  
 Adler, Herman G. 2,719,517.
- Novick, Abraham, and E. C. Sauerma, to F. L. Smithe Machine Co. Inc. 2,703,043, Cl. 93—61.
- Novick, Abraham, and W. M. Foster, to F. L. Smithe Machine Co., Inc. 2,720,830, Cl. 101—52.
- Novikoff, Eugene B.: *See*—  
 Greenleaf, Francis D., Novikoff, and Walther. 2,708,615.
- Novinger, Harry E. 2,713,465, Cl. 244—2.
- Novo Terapeutisk Laboratorium A/S: *See*—  
 Jensen, Erik. 2,704,073.
- Novotny, Edison H., and L. M. Hedges, to Johns-Manville Corp. 2,711,381, Cl. 154—101.
- Novotny, Robert J.: *See*—  
 Allan, Robert R., and Novotny. 2,699,289.  
 Allen, Robert R., and Novotny. 2,701,466.  
 Allen, Robert R., and Novotny. 2,721,473.
- Nowak, Josefa. 2,706,511, Cl. 152—405.
- Nowak, Theodore J.: *See*—  
 Fischer, Paul W., and Nowak. 2,708,974.
- Nowak, Theodore J., to Union Oil Co. of California. 2,708,876, Cl. 102—21.
- Nowak, Theodore J., and P. W. Fischer, to Union Oil Co. of California. 2,714,929, Cl. 166—33.
- Nowee, Petrus L. W. 2,718,236, Cl. 137—460.
- Nowlan, George C., Jr.: *See*—  
 Sproule, William K., Queneau, and Nowlan. 2,719,082.
- Noyes, Charles W.: *See*—  
 Harrington, Frank A., and Noyes. 2,703,398.
- Nübling, Otto. 2,708,410, Cl. 103—41.
- Nübling, Otto, to T. Klatte. 2,721,541, Cl. 121—53.
- Nuckolls, Leslie W.: *See*—  
 Tucker, Welsey L. 2,715,415.
- Nuckolls, Roderick: *See*—  
 Tucker, Welsey L. 2,715,415.
- Nuclear Instrument and Chemical Corp.: *See*—  
 Davidson, William C. 2,709,754.
- Nugent, Archie J. 2,721,486, Cl. 308—212.
- Nugent, Charles T., and J. W. Kaucher, to The Buckeye Cotton Oil Co. 2,712,539, Cl. 260—123.5.
- Nugent, Charles T., and N. R. Gotthoffer, to The Buckeye Cotton Oil Co. 2,712,540, Cl. 260—123.5.
- Nugent, Corliss D. 2,702,638, Cl. 210—169.
- Null, Fay E. 2,707,993, Cl. 160—168.
- Null, Myron R.: *See*—  
 Greider, Clarence E., and Null. 2,710,812.
- Nummy, William R.: *See*—  
 Barnes, Carl E., Ney, and Nummy. 2,711,398.
- Numrich, Fred H.: *See*—  
 Baracket, Albert J., Maxwell, and Numrich. 2,723,307.
- Nunn, Herbert E., Jr., to H. W. Crane Co. 2,726,099, Cl. 280—512.
- Nupp, Warren D., and J. M. Rosen. 2,714,692, Cl. 315—232.
- Nurkiewicz, Ignatius, to Stop-Fire, Inc. 2,708,482, Cl. 169—31.
- Nurmi, Vilho J. 2,720,675, Cl. 16—126.
- Nurre Companies, The: *See*—  
 Silverman, Sebet. 2,702,956.  
 Silverman, Sebet. 2,716,299.
- Nusbaum, Alan D. 2,721,775, Cl. 308—212.
- Nusbaum, Donald H.: *See*—  
 Grubb, Robert, and Nusbaum. 2,709,667.
- Nussbaum, Otto J., and I. Kramer: said Nussbaum assor. to Kramer Trenton Co. 2,704,924, Cl. 62—3.
- Nute, Jay H., and H. A. L. Thomas, to The Patent and Licensing Corp. 2,713,454, Cl. 229—51.
- NuTone, Inc.: *See*—  
 Spear, Walter A. 2,708,232.
- Nutter, Frank E., and E. I. Spence, to Goodall-Sanford, Inc. 2,710,428, Cl. 19—130.
- Nutter, Irvin E., ½ to M. C. Nutter. 2,718,900, Cl. 137—512.1.
- Nutter, Irvin E. 2,718,901, Cl. 137—512.1.
- Nutter, Irvin E. 2,718,902, Cl. 137—512.1.
- Nutter, Martha C.: *See*—  
 Nutter, Irvin E. 2,718,900.
- Nuttie, William G. 2,702,626, Cl. 206—16.
- Nuttman, Charles W.: *See*—  
 Hale, Stuart G., and Nuttman. 2,717,984.
- Nyborg, Tage G., ½ to The Mining Engineering Co. Ltd. 2,705,473, Cl. 118—8.
- Nydegger, Roland R., and G. P. Beck, to Johnson & Johnson. 2,715,024, Cl. 271—2.3.
- Nyden, Robert, to Continental Can Co., Inc. 2,727,659, Cl. 222—540.
- Nye, Benjamin E., and I. D. Smith, to The Cleveland Pneumatic Tool Co. 2,698,751, Cl. 267—64.
- Nye, Charles E.: *See*—  
 Wright, Elvin W. 2,718,156.
- Nye, Norman H., R. W. Penn, C. C. Ensinger, and C. H. Sorrick, Jr. 2,703,612, Cl. 164—42.
- Nye, Ralph A. 2,705,181, Cl. 312—223.
- Nye, Ronald O., and C. R. Sterling, to Hivac Ltd. 2,716,201, Cl. 313—276.
- Nye Tool Co.: *See*—  
 Halligan, Eugene P. 2,719,988.
- Nye-Wait Co., Inc.: *See*—  
 Green, Wharton, Jr. 2,707,839.
- Nye, William T., to Gaylord Container Corp. 2,721,689, Cl. 229—40.
- Nygaard, Arnt J. 2,725,618, Cl. 29—244.
- Nygard, John C., to High Voltage Engineering Corp. 2,721,954, Cl. 315—18.
- Nylok Corp.: *See*—  
 Johnson, John E. 2,725,915.
- Nylund, Agnes L.: *See*—  
 Nylund, Olive B., and A. L. 2,711,294.
- Nylund, Harry W. 2,704,911, Cl. 51—26.
- Nylund, Olive B., and A. L. 2,711,294, Cl. 242—135.
- Nyman, Alexander, to Alden Products Co. 2,712,611, Cl. 250—219.
- Nyrop, Johan E., to Niro Corp. 2,707,990, Cl. 159—4.
- Nyssen, Carl H.: *See*—  
 Andert, Frank S. 2,709,969.
- Nysted, Leonard N., to G. D. Searle & Co. 2,705,721, Cl. 260—397.5.
- Nystrand, Ernst D. 2,703,639, Cl. 192—99.
- Nyström, Ernst H. B.: *See*—  
 Mossberg, Bengt J. Y., and Nyström. 2,721,504.
- Nystrom, Karl F., to International Steel Co. 2,703,181, Cl. 213—57.
- Nystrom, Karl F., to International Steel Co. 2,706,051, Cl. 213—50.
- Nyström, Olof B., to Adolf Friz G. m. b. H. 2,701,592, Cl. 144—279.
- Nyswander, R. Edson, to the United States of America as represented by the Secretary of the Navy. 2,705,307, Cl. 333—98.
- "O. Dörries A. G. vorm. Maschinenfabrik Banning & Seybold": *See*—  
 Banning, Helmuth. 2,709,397.
- O. K. Rubber Inc.: *See*—  
 James, Volney L. 2,717,639.
- O P W Corp.: *See*—  
 Briede, Arthur F. 2,727,534.
- Oace, Ralph J. 2,700,577, Cl. 299—65.
- Oakes, Albert F. 2,725,269, Cl. 311—88.
- Oakes, Stewart F., to Hobbs Mfg. Co. 2,718,260, Cl. 164—21.
- Oakhill, Frederic E., to Prismacolor, Inc. 2,712,264, Cl. 88—1.
- Oathout, John D.: *See*—  
 Black, James F., and Oathout. 2,716,634.
- O'Bannon, John B., 40% to B. L. Parker. 2,720,662, Cl. 9—1.
- Oebchain, Ralph C. 2,703,712, Cl. 273—63.
- Obenschain, Arthur W., J. J. Strobel, and J. T. Daly. 2,701,867, Cl. 339—102.
- Oberg, Bertil N., and W. Y. C. Humes, to Monolith Portland Cement Co. 2,721,806, Cl. 106—100.
- Oberg, Donald F. 2,710,633, Cl. 143—169.
- Oberg, Sven, and S. M. A. Nicklasson, to Aktiebolaget Svetsmekano. 2,728,316, Cl. 113—42.
- Obergfell, Howard H., to the United States of America as represented by the United States Atomic Energy Commission. 2,725,028, Cl. 116—124.
- Oberholtzer, Albert L., to Scott & Williams, Inc. 2,720,092, Cl. 66—14.
- Oberlander, George F.: *See*—  
 Baron, Emil H., and Oberlander. 2,704,483.
- Oberley, Ernest P. 2,723,455, Cl. 32—49.
- Oberly, Louis A., to Industrial Rayon Corp. 2,725,734, Cl. 66—8.
- Oberman, Roelof M. M. 2,707,726, Cl. 179—18.
- Oberman, Roelof M. M., to De Staat der Nederlanden Ten Deze Verteenwoordigd Door de Directeur-Generaal der Posterijen, Telegrafie en Telefonie. 2,711,444, Cl. 179—18.



- Oberman, Roelof M. M., to De Staat der Nederlanden, Ten Deze Vertegenwoordigd Door de Directeur-Generaal der Posterijen, Telegrafie en Telefonie. 2,714,629, Cl. 179—18.
- Oberman, Roelof M. M., and A. Snijders, to De Staat der Nederlanden, Ten Deze Vertegenwoordigd Door de Directeur-Generaal der Posterijen, Telegrafie en Telefonie. 2,715,724, Cl. 340—347.
- Oberrender, Robert R., to the United States of America as represented by the Secretary of the Army. 2,701,366, Cl. 2—195.
- Oberst, Clair R.: *See*—  
Orth, Howard S., Oberst, and Cramer. 2,713,712.
- Oberwegner, Alfred R. 2,723,132, Cl. 280—231.
- Oblad, Alex G., T. H. Milliken, Jr., and H. Heinemann, to Houdry Process Corp. 2,700,013, Cl. 196—50.
- Oblad, Alex G., and H. Heinemann, to Houdry Process Corp. 2,703,308, Cl. 196—49.
- Oblad, Alex G., and G. A. Mills, to Houdry Process Corp. 2,704,740, Cl. 196—52.
- Oblad, Alex G., and T. H. Milliken, Jr., to Houdry Process Corp. 2,723,947, Cl. 196—50.
- Obma, Chester A., to Walker Process Equipment Inc. 2,717,774, Cl. 261—121.
- O'Boyle, Kenneth M.,  $\frac{1}{2}$  to B. S. Parker. 2,726,021, Cl. 223—67.
- O'Brien, Dudley L., Jr.: *See*—  
Hendrich, Robert T., and O'Brien. 2,701,186.
- O'Brien, John C. 2,699,834, Cl. 180—82.1.
- O'Brien, John J. 2,710,634, Cl. 144—2.
- O'Brien, William J.: *See*—  
Bridges, Donald E., and O'Brien. 2,712,603.
- Bridges, Donald E., and O'Brien. 2,724,772.
- Obrist, Heinrich A., to Escher Wyss Aktiengesellschaft. 2,701,313, Cl. 290—52.
- Obstfeld, Abraham: *See*—  
Pilblad, Eric J. 2,726,391.
- Obszarny, Theodore J., to Guardian Electric Mfg. Co. 2,701,870, Cl. 339—220.
- Obuchowski, Anthony: *See*—  
Cummings, Percival W., Jr., Salsbury, and Obuchowski. 2,721,650.
- Ochotschinsky, Peter F.: *See*—  
Clifton, Richard N., Waters, and Ochotschinsky. 2,728,268.
- Ochs, Irving L., and P. L. Veltman. 2,726,982, Cl. 167—58.
- Ochs, Pirmin, to Rodi & Wienberger Aktiengesellschaft. 2,727,354, Cl. 58—88.
- Ochterbeck, Berthold H.: *See*—  
Omberg, Arthur C., Means, and Ochterbeck. 2,718,061.
- Ochwat, Paul, to Cassella Farbwerke Mainkur Aktiengesellschaft. 2,727,904, Cl. 260—396.
- O'Connell, William G., to E. I. du Pont de Nemours and Co. 2,716,614, Cl. 106—164.
- O'Connor, Arthur F., to Union Asbestos & Rubber Co. 2,699,229, Cl. 188—82.7.
- O'Connor, Arthur F., to Union Asbestos & Rubber Co. 2,725,132, Cl. 192—16.
- O'Connor, Bernard E., to Houdaille-Hershey Corp. 2,722,849, Cl. 74—574.
- O'Connor, Bernard E., to Houdaille-Hershey Corp. 2,724,983, Cl. 74—574.
- O'Connor, Bernard E., and A. G. French, to Houdaille-Hershey Corp. 2,724,339, Cl. 103—120.
- O'Connor, Bernard E., and A. E. Grzenkowski, to Houdaille-Hershey Corp. 2,724,893, Cl. 29—511.
- O'Connor, Donald T.: *See*—  
Crisuolo, Edward L., and O'Connor. 2,720,607.
- O'Connor, James J.: *See*—  
Schwalbe, Hellmuth C., Hydel, and O'Connor. 2,700,621.
- O'Connor, Thomas J., and C. H. Williams, to Bell Telephone Laboratories, Inc. 2,714,000, Cl. 267—1.
- O'Connor, Walter J. 2,707,607, Cl. 248—60.
- Oda, Donald J., to Radio Corp. of America. 2,717,958, Cl. 250—27.
- O'Day, Cortland N., to Air Devices Inc. 2,711,127, Cl. 98—40.
- Odbert, John T.: *See*—  
Toth, Michael J., and Odbert. 2,709,501.
- Oddie, William M. 2,724,930, Cl. 51—13.
- Odegaard, John. 2,720,635, Cl. 339—99.
- Odell, Herbert B. 2,714,264, Cl. 39—3.
- Odell, William W., to Standard Oil Development Co. 2,700,598, Cl. 48—196.
- Odell, William W. 2,700,600, Cl. 48—197.
- Oden, Andrew C.: *See*—  
Shuptrine, J. C., and Oden. 2,715,536.
- Oden, Hoeckley, to International Standard Electric Corp. 2,722,568, Cl. 179—18.
- Oden, Svante. 2,715,571, Cl. 41—41.
- Odermatt-Wehrli, Laurens. 2,705,090, Cl. 222—78.
- Odierno, Raymond J., to Stapling Machines Co. 2,709,533, Cl. 217—12.
- Oding, Carl A., to Planamatic Corp. 2,718,760, Cl. 60—54.
- Odle, Catherine. 2,725,675, Cl. 47—27.
- Ödman, Tor A., to J. C. Marble, L. M. Merrill, and P. H. Batten, trustees. 2,706,109, Cl. 263—51.
- Odom, Marvin W., and T. B. Hunt. 2,712,833, Cl. 139—248.
- O'Donnell, Henry L., J. E. Meehan, and E. E. Forstrom, to The Bryant Electric Co. 2,728,057, Cl. 339—57.
- O'Donnell, Philip L. 2,707,318, Cl. 28—74.
- Oechslein, Konrad, to Aktiengesellschaft Fuer Technische Studien. 2,724,545, Cl. 230—133.
- Oehler, William P., and C. H. Youngberg, to Deere & Co. 2,704,018, Cl. 97—47.5.
- Oehler, William P., and C. H. Youngberg, to Deere & Co. 2,728,179, Cl. 55—73.
- Oehler, William P., and A. J. Immesoete, to Deere & Co. 2,728,313, Cl. 111—59.
- Oelbaum, Freda. 2,724,117, Cl. 2—36.
- Oeppinger, Heinz: *See*—  
Ehrhart, Gustav, Ruschig, Stein, Aumuller, Oeppinger, and Schörnig. 2,699,439.
- Oerlikon Tool & Arms Corp.: *See*—  
Burnette, Thaddeus C., Jr. 2,699,829.
- Oerman, Orey W., to Deere & Co. 2,706,940, Cl. 97—127.
- Oertli, Traugott. 2,719,903, Cl. 219—19.
- Oesterle, Frank D., and L. Baillargeon. 2,713,256, Cl. 67—21.
- Oestermeyer, Carl F. 2,722,713, Cl. 17—32.
- Oestnaes, Martha P.: *See*—  
Merrill, Leslie M., Karlson, and Oestnaes. 2,724,862.
- Merrill, Leslie M., Karlson, and Oestnaes. 2,724,869.
- Merrill, Leslie M., Karlson, and Oestnaes. 2,725,539.
- Oestnaes, Victor L.: *See*—  
Merrill, Leslie M., Karlson, and Oestnaes. 2,724,862.
- Merrill, Leslie M., Karlson, and Oestnaes. 2,724,869.
- Merrill, Leslie M., Karlson, and Oestnaes. 2,725,539.
- Oestreicher, Ernst: *See*—  
Schlecht, Leo, and Oestreicher. 2,699,458.
- Oestreicher, Warren J.: *See*—  
Weisberger, Herman, and Oestreicher. 2,721,946.
- Oetiker, Hans. 2,722,399, Cl. 251—149.
- Oetjen, Paul: *See*—  
Dunham, Raymond E., Sigler, and Oetjen. 2,713,760.
- Oettinger, Willi: *See*—  
Nonnenmacher, Helmut, Oettinger, and Reitz. 2,709,151.
- Von Fuener, Wilhelm, Oettinger, Nonnenmacher, and Reitz. 2,708,180.
- Oettinger, Willi, H. Nonnenmacher, W. von Fuener, and O. Reitz, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,706,705, Cl. 196—53.
- Offen, Bernard. 2,727,317, Cl. 34—155.
- Office National d'Etudes et de Recherches Aeronautiques (O. N. E. R. A.): *See*—  
Fabri, Jean, and Siestrunk. 2,721,693.
- Reingold, Lucien, and Foure. 2,716,863.
- Officine Galileo Societa per Azioni: *See*—  
Franceschini, Lorenzo. 2,699,187.
- Offner, Franklin F. 2,712,309, Cl. 128—2.1.
- Oganowski, Kasimir: *See*—  
Ellis, Obe B., and Oganowski. 2,703,766.
- Ogden, Charles T., to Goodman Mfg. Co. 2,719,710, Cl. 262—9.
- Ogden, Daniel S.: *See*—  
Rossi, Irving, and Ogden. 2,726,430.
- Ogden, Floyd H. 2,701,720, Cl. 273—149.
- Ogden, Franklin F., to Monsanto Chemical Co. 2,726,220, Cl. 260—17.
- Ogden, Horace R.: *See*—  
Jaffee, Robert I., and Ogden. 2,726,954.
- Jaffee, Robert I., Ogden, and Maykuth. Re. 24,013.
- Ogden, John G. 2,704,161, Cl. 214—83.32.
- Ogg, Alvin W.: *See*—  
Edwards, Andrew W., and Ogg. 2,701,828.
- Ogg, Robert D., to Danforth Anchors. 2,711,150, Cl. 114—208.
- Ogg, Robert D., and W. S. Danforth, to Danforth Anchors. 2,705,467, Cl. 114—221.
- Oghammar, Bror E.: *See*—  
Alm, Karl M., and Oghammar. 2,699,630.
- Ogle Construction Co.: *See*—  
Bledsoe, Carl F. 2,719,653.
- Ogle, Hugh M., to General Electric Co. 2,727,199, Cl. 318—231.
- Ogle, Hugh M., and V. J. Wattenberger, to General Electric Co. 2,700,759, Cl. 340—253.
- Ogle, James C., Jr., to Libbey-Owens-Ford Glass Co. 2,714,835, Cl. 88—77.
- Ogle, Robert W. 2,700,386, Cl. 128—215.
- Ogle, Robert W. 2,715,905, Cl. 128—214.
- Oglebay, Norton and Co.: *See*—  
Haley, Kenneth M., and Trask. 2,709,530.
- Oglesby, Sabert, Jr., and A. L. Thomas, Jr., to Southern Research Institute. 2,711,626, Cl. 57—34.
- Ogletree, William A., to Philco Corp. 2,717,311, Cl. 250—27.
- Ogorzaly, Henry J.: *See*—  
Heilman, William O., and Ogorzaly. 2,718,263.
- Ogorzaly, Henry J., to Esso Research and Engineering Co. 2,704,704, Cl. 48—206.
- O'Grady, Joseph V., to Syncro Machine Co. 2,726,971, Cl. 148—10.
- Ogston, Walter M.: *See*—  
Feilden, Geoffrey B. R., and Ogston. 2,727,716.
- O'Hara, Stephen J. 2,716,410, Cl. 129—18.
- O'Hare, Robert J.: *See*—  
O'Neil, Frank R. 2,715,881.
- Oharenko, Vladimir. 2,727,137, Cl. 240—90.
- O'Harra, Jack B.: *See*—  
Brown, Darrel C., O'Harra, and Sansome. 2,728,618.
- O'Hearn, George E. 2,714,013, Cl. 280—47.41.
- O'Herron, John E. 2,713,185, Cl. 24—73.
- O'Higgins, Michael. 2,712,293, Cl. 114—61.
- Ohio Brass Co., The: *See*—  
Huston, Elmo F. 2,708,265.
- Huston, Elmo F. 2,722,667.
- Rice, Seymour S. 2,700,707.
- Sawyer, Thomas H. 2,727,102.



- Ohio Crankshaft Co., The: *See*—  
 Benninghoff, William E. 2,703,495.  
 Body, Alfred C. 2,716,689.  
 Kaczor, Edward J. 2,698,773.  
 Kaczor, Edward J. 2,706,667.  
 Kaczor, Edward J. 2,719,667.  
 Marquardt, Otto M. 2,722,589.  
 Schwan, Clarence F. 2,704,693.  
 Sorensen, Phillips N. 2,715,170.  
 Wadhams, James B. 2,716,693.  
 Williamson, James W. 2,715,171.
- Ohio Ferro-Alloys Corp.: *See*—  
 Jordan, Otis D. 2,721,948.
- Ohio Foundry & Mfg. Co., The: *See*—  
 Thompson, Harry E. 2,726,654.
- Ohio Gear Co., The: *See*—  
 Zakrajsek, Joseph J. 2,712,246.
- Ohio Injector Co., The: *See*—  
 Allenbaugh, George G. 2,726,628.  
 Doster, Howard G. 2,711,877.  
 Doster, Howard G. 2,726,672.
- Ohio State University Research Foundation, The: *See*—  
 Blau, Henry H. 2,701,208.  
 Masters, Robert W. 2,714,706.  
 Newman, Melvin S., and Swaminathan. 2,714,615.  
 Nicholson, Clifford M. 2,706,844.  
 Sisler, Harry H., and Mattair. 2,710,248.
- Ohl, Howard E., to Warren Tool Corp. 2,708,305, Cl. 29—242.
- Ohlerich, Richard H. 2,725,165, Cl. 223—98.
- Ohlbeiser, Carlton E., to American Instrument Co., Inc. 2,717,957, Cl. 250—27.
- Ohlbeiser, Carlton E., to American Instrument Co., Inc. 2,723,557, Cl. 73—73.
- Ohliger, Lewis P., to Bausch & Lomb Optical Co. 2,704,420, Cl. 49—82.1.
- Ohlis, Julius J.: *See*—  
 Lenke, George H. 2,710,211.
- Ohls, Robert L. Re. 24,102.
- Ohlson, Paul E., and E. A. Hodge, to The Pusey & Jones Corp. Re. 24,024, Cl. 34—124.
- Ohman, Carl L. 2,724,300, Cl. 81—83.
- Ohman, Marguerite C. 2,724,119, Cl. 2—159.
- Ohman, Thorwald: *See*—  
 Sterling, John G., and Ohman. 2,717,512.
- Ohmart Corp., The: *See*—  
 Ohmart, Philip E. 2,718,786.
- Ohmart, Philip E., to The Ohmart Corp. 2,718,786, Cl. 73—359.
- Ohnstad, Elmer C., ½ to J. V. Palmer. 2,708,891, Cl. 111—16.
- Öholm, Gustaf V., to A. B. Svenska Fläktfabriken. 2,706,343, Cl. 34—13.
- Oil Base, Inc.: *See*—  
 Wilson, Doyné L. 2,698,833.
- Oil Center Tool Co.: *See*—  
 Boitnott, Boyd D., and Zawacki. 2,726,104.  
 Le Roux, Robert K. 2,716,457.
- Oilgear Co., The: *See*—  
 Davis, Richard E. 2,714,288.  
 Douglas, James K. 2,699,651.  
 Ferris, Walter. 2,716,944.  
 Ferris, Walter. 2,728,302.  
 Skinner, Vincent A. 2,702,007.  
 Tyler, Ransom. 2,714,854.
- Oiljak Mfg. Co., Inc., The: *See*—  
 Persak, George, Jr. 2,710,707.
- Oilwell Drain Hole Drilling Co.: *See*—  
 Goble, Ralph W. 2,716,542.  
 McCune, John S., and Hanks. 2,712,436.  
 McCune, John S., and Hanks. 2,716,540.  
 McCune, John S., and Hanks. 2,726,847.
- Oishei, John R., to Trico Products Corp. 2,701,382, Cl. 15—245.
- Oishei, John R., to Trico Products Corp. 2,702,397, Cl. 15—245.
- Oishei, John R., to Trico Products Corp. 2,706,305, Cl. 15—245.
- Oishei, John R., to Trico Products Corp. 2,708,911, Cl. 121—99.
- Oishei, John R., to Trico Products Corp. 2,713,695, Cl. 15—245.
- Oishei, John R., to Trico Products Corp. 2,721,350, Cl. 15—245.
- Oishei, John R., to Trico Products Corp. 2,721,352, Cl. 15—253.
- Oishei, John R., to Trico Products Corp. 2,722,455, Cl. 299—58.
- Oishei, John R., to Trico Products Corp. 2,724,139, Cl. 15—250.3.
- Oishei, John R., to Trico Products Corp. 2,724,854, Cl. 15—245.
- Oishei, John R., to Trico Products Corp. 2,728,100, Cl. 15—245.
- Oishei, John R., and A. C. Scinta, to Trico Products Corp. 2,700,785, Cl. 15—245.
- Oishei, John R., and A. C. Scinta; said Scinta assor. to Trico Products Corp. 2,727,271, Cl. 15—245.
- O'Keefe, John T., and R. A. Hammerstrom; said Hammerstrom assor. to Jones & Laughlin Steel Corp., and said O'Keefe assor. to United Engineering and Foundry Co. 2,711,809, Cl. 193—39.
- O'Keefe & Merritt Co.: *See*—  
 Brainard, Maurice W. 2,722,652.
- O'Keefe, Andrew E.: *See*—  
 Stiller, Eric T., and O'Keefe. 2,720,483.
- Okerstrom, Vilmer E.: *See*—  
 Taylor, Robert D., and Okerstrom. 2,698,537.
- Okey, Perry. 2,710,496, Cl. 51—101.
- Okie, Reginald W. 2,725,008, Cl. 99—283.
- Okolicsanyi, Ferenc. 2,727,090, Cl. 178—5.4.
- Okonite Co., The: *See*—  
 Lapsley, Rhea P. 2,718,542.  
 McIlveen, Edward E. 2,722,562.
- Okrent, Jasper J., to Hazeltine Research, Inc. 2,708,239, Cl. 250—27.
- Okrent, Jasper J., to Hazeltine Research, Inc. 2,710,914, Cl. 250—27.
- Oku, Mitsuo: *See*—  
 Tanaka, Manzo, Yamamoto, and Oku. 2,723,299.
- Okulitch, George J., I. Zozulin, and L. A. Atkinson. 2,699,283, Cl. 226—99.
- Okunis, George J. 2,720,778, Cl. 72—16.
- Olander, Roland J., to W. H. Miner, Inc. 2,715,877, Cl. 105—197.
- Olcott, Charles A. 2,698,602, Cl. 121—38.
- Olcott, Charles A. 2,706,561, Cl. 210—63.
- Old, Albert F., and R. F. Gibson, to Southern Lightweight Aggregate Corp. 2,721,069, Cl. 263—21.
- Oldberg Mfg. Co.: *See*—  
 Deremer, Floyd E. 2,717,048.  
 Miller, John W., and Kitzinger. 2,703,062.
- Oldbury Electro-Chemical Co.: *See*—  
 Brown, James H., Dearborn, and Power. 2,701,258.
- Oldham & Son Ltd.: *See*—  
 Martin, John R. 2,704,454.
- Oldham, Walter H.: *See*—  
 Gaul, Edward M., Marks, and Oldham. 2,711,081.
- Oldham, Wilbur N., and E. L. Kropa, to Union Oil Co. of California. 2,718,497, Cl. 252—8.5.
- O'Leary, Charles M. 2,714,804, Cl. 60—54.
- O'Leary, Charles M. 2,719,442, Cl. 74—765.
- O'Leary, Charles M. 2,723,530, Cl. 60—54.
- O'Leary, John J., to Bestpak Inc. 2,724,540, Cl. 229—27.
- Olender, Bruno J.: *See*—  
 Sewelin, Ernest R., and Olender. 2,708,134.
- Oles, Joseph F., to General Electric Co. 2,711,189, Cl. 137—576.
- Olfene, Ruth G. 2,714,771, Cl. 36—9.
- Olin, John E., to The Pennsylvania Salt Mfg. Co. 2,722,478, Cl. 71—2.7.
- Olin Mathieson Chemical Corp.: *See*—  
 Arnold, Orlan M., and Jamison. 2,715,564.  
 Astle, Melvin J., and Pierce. 2,725,383.  
 Audrieth, Ludwig F. 2,704,706.  
 Bernstein, Jack. 2,727,899.  
 Bernstein, Jack, and Bartner. 2,728,765.  
 Bernstein, Jack, and Losee. 2,713,049.  
 Bernstein, Jack, and Losee. 2,714,595.  
 Bernstein, Jack, and Spitzmiller. 2,725,379.  
 Berthold, George H. 2,727,017.  
 Blackburn, Charles M., and Seavey. 2,717,551.  
 Brown, Bernard B. 2,719,116.  
 Churchill, John W. 2,698,866.  
 Cox, Gilbert R. 2,715,574.  
 Dixon, Glenn R. 2,714,915.  
 Dolan, Paul M. 2,701,930.  
 Dolliver, Morris A., and Semenoff. 2,717,236.  
 Felger, James N. 2,708,153.  
 Felger, James N. 2,716,052.  
 Franz, Arvel O. 2,708,623.  
 Frost, Paul D. 2,706,679.  
 Gerlough, Tillman D. 2,710,293.  
 Gerlough, Tillman D. 2,710,294.  
 Henschke, John J., Jr. 2,725,823.  
 Jurist, Alfred E., Burke, and Gaunt. 2,719,103.  
 Losee, Kathryn A., Bernstein, and Yale. 2,704,754.  
 Losee, Kathryn A., and Lott. 2,721,208.  
 MacMahon, James D. 2,719,828.  
 McArthur, Richard E., and Logan. 2,713,044.  
 Michalek, John C. 2,709,140.  
 Morningstar, Ralph E. 2,728,638.  
 Nicolaisen, Bernard H., and Felger. 2,715,061.  
 Nicolaisen, Bernard H., and Jenney. 2,708,209.  
 Pauls, Theron F. 2,722,155.  
 Perlman, David, Fried, Titus, and Langlykke. 2,709,705.  
 Pulsifer, Verne, and Nevitt. 2,712,992.  
 Roemer, William C. 2,703,943.  
 Ruth, John A. 2,717,903.  
 Saeman, Walter C. 2,728,690.  
 St. Amant, Horace. 2,712,705.  
 Seavey, Frederick R. 2,724,333.  
 Seavey, Frederick R., and Ritter. 2,712,034.  
 Silk, Charles E. 2,720,358.  
 Stiller, Eric T., and O'Keefe. 2,720,483.  
 Tepas, Joseph J., Jr., and Smith. 2,700,651.  
 Ter Horst, William P. 2,698,806.  
 Ter Horst, William P. 2,699,418.  
 Ter Horst, William P. 2,727,824.  
 Trovan, James E., and Northgraves. 2,726,271.  
 Wellisch, Eric. 2,728,688.  
 Welsh, Jay Y. 2,716,078.  
 Wilson, Golder P. 2,714,752.  
 Woodring, William B. 2,719,096.  
 Yale, Harry L., and Bernstein. 2,726,983.  
 Yale, Harry L., and Bernstein. 2,727,896.



- Olin, Milo H. 2,712,147, Cl. 15—250.4.  
 Olin, Milo H. 2,724,855, Cl. 15—250.4.  
 Olin, Robert L., to Minneapolis-Honeywell Regulator Co. 2,721,967, Cl. 318—33.  
 Oliphant, Edwin G. 2,708,575, Cl. 271—2.6.  
 Olive, George A., to Radio Corp. of America. 2,724,803, Cl. 332—54.  
 Oliver, Bernard M., to Bell Telephone Laboratories, Inc. 2,701,274, Cl. 178—5.  
 Oliver, Bernard M., to Bell Telephone Laboratories, Inc. 2,708,750, Cl. 343—7.3.  
 Oliver, Bernard M., to Bell Telephone Laboratories, Inc. 2,721,900, Cl. 179—15.6.  
 Oliver, Bernard M., to Bell Telephone Laboratories, Inc. 2,725,424, Cl. 178—7.3.  
 Oliver, Chauncey B., to Tested Appliance Co. 2,711,252, Cl. 210—31.  
 Oliver Corp., The: *See*—  
   Ruhl, Charles A. L. 2,707,867.  
 Oliver, Donald A., and S. C. Wilsdon, to The Birmingham Small Arms Co. Ltd. 2,721,378, Cl. 29—420.  
 Oliver, George D., to Monsanto Chemical Co. 2,726,139, Cl. 23—79.  
 Oliver Iron and Steel Corp.: *See*—  
   Berry, Frank. 2,713,309.  
 Oliver, John R. 2,722,670, Cl. 339—183.  
 Oliver, Myles S. 2,702,955, Cl. 40—125.  
 Oliver United Filters Inc.: *See*—  
   Bathon, George H., and Whelan. 2,698,645.  
 Oliver, Walter E. 2,709,586, Cl. 271—2.4.  
 Oliwa, Walter S., to Monroe Calculating Machine Co. 2,716,230, Cl. 340—345.  
 Oliwa, Walter S., to Monroe Calculating Machine Co. 2,718,601, Cl. 307—132.  
 Olleo, R. & Sons Machine Co.: *See*—  
   Olleo, Ralph, Sr. 2,703,540.  
   Olleo, Ralph, Sr. 2,707,445.  
 Olleo, Ralph, Sr., to R. Olleo & Sons Machine Co. 2,703,540, Cl. 112—16.  
 Olleo, Ralph, Sr., to R. Olleo & Sons Machine Co. 2,707,445, Cl. 112—18.  
 Ollerhead, Ronald H., to Modern Ladders, Inc. 2,727,671, Cl. 228—36.  
 Olm Co., The: *See*—  
   Luther, Glenn C. 2,710,567.  
 Olmer, Francois J., to Celanese Corp. of America. 2,702,230, Cl. 18—54.  
 Olney, Richard B., to Shell Development Co. 2,721,790, Cl. 23—310.  
 Olpin, Henry C., and T. Jackson, to British Celanese Ltd. 2,699,373, Cl. 8—63.  
 Olsen, Alfred: *See*—  
   Gittings, William L. and J. B., and Olsen. 2,699,816.  
 Olsen, Burton A., to National Automotive Fibres, Inc. 2,700,170, Cl. 15—229.  
 Olsen, C. A., Mfg. Co., The: *See*—  
   Downe, Edward R. 2,704,572.  
 Olsen, Gene, Corp.: *See*—  
   Davis, Robert O. 2,698,475.  
   Davis, Robert O. 2,706,843.  
 Olsen, Hartvig B., to Universal Atlas Cement Co. 2,710,235, Cl. 308—63.  
 Olsen, John C., to Food Machinery and Chemical Corp. 2,704,096, Cl. 146—165.  
 Olsen, John L., to Sun Oil Co. 2,716,144, Cl. 260—674.  
 Olsen, John M. 2,718,675, Cl. 20—42.  
 Olsen, Niels H. F., to Hexagon Tool & Engineering Co. 2,698,551, Cl. 82—44.  
 Olsen, Olaf C., to Transport Equipment, Inc. 2,711,812, Cl. 198—20.  
 Olsen, Olaf C., to Transport Equipment, Inc. 2,714,967, Cl. 214—38.  
 Olsen, Olaf C., to Transport Equipment, Inc. 2,715,969, Cl. 214—15.  
 Olsen, Olaf C., to Transport Equipment, Inc. 2,720,991, Cl. 214—520.  
 Olsen, William. 2,715,530, Cl. 272—43.  
 Olson, Albert L.: *See*—  
   Thompson, Paige W., and Olson. 2,716,710.  
 Olson, Alton M. 2,704,199, Cl. 254—122.  
 Olson, Arthur A., and J. H. Hopkins, to Arthur A. Olson & Co. 2,699,155, Cl. 122—274.  
 Olson, Arthur A., & Co.: *See*—  
   Olson, Arthur A., and Hopkins. 2,699,155.  
 Olson, Buford W., to Chas. Olson & Sons, Inc. 2,726,022, Cl. 224—42.21.  
 Olson, Chas., & Sons, Inc.: *See*—  
   Olson, Buford W. 2,726,022.  
 Olson, Clarence L. 2,709,878, Cl. 51—176.  
 Olson, Delwyn L., to the United States of America as represented by the Secretary of the Navy. 2,703,962, Cl. 60—39.74.  
 Olson, Donald R. 2,708,069, Cl. 230—56.  
 Olson, Earl H., to E. I. du Pont de Nemours and Co. 2,719,073, Cl. 18—54.  
 Olson, Edward L. 2,698,895, Cl. 240—2.1.  
 Olson, Edwin O.: *See*—  
   Swipp, Stanley W., Koepfer, Kester, and Olson. 2,720,818.  
 Olson, Einer C. 2,699,661, Cl. 68—205.  
 Olson, Elmer T. 2,706,646, Cl. 284—18.  
 Olson, Elmer T.,  $\frac{1}{2}$  to W. J. Rawitzer. 2,708,381, Cl. 81—17.2.  
 Olson, Elmer T.,  $\frac{1}{2}$  to W. J. Rawitzer. 2,708,382, Cl. 81—17.2.  
 Olson, Elmer W., and R. E. Lee. 2,705,915, Cl. 100—88.  
 Olson, Emil. 2,718,800, Cl. 81—3.3.  
 Olson, Emil. 2,724,298, Cl. 81—40.  
 Olson, Eugene O., and H. F. Rothwell, to Delavan Mfg. Co. 2,703,260, Cl. 299—114.  
 Olson, Frank W., and E. F. Baerenrodt. Re. 24,095, Cl. 226—14.  
 Olson, George W. 2,720,951, Cl. 192—2.  
 Olson, Harry F., and J. Preston, to Radio Corp. of America. 2,699,472, Cl. 179—115.5.  
 Olson, Harry F., and J. Preston, to Radio Corp. of America. 2,699,474, Cl. 179—115.5.  
 Olson, Harry F., and J. Preston, to Radio Corp. of America. 2,718,272, Cl. 181—31.  
 Olson, Henry L., and C. L. Robinson, to Camfield Mfg. Co. 2,706,445, Cl. 99—391.  
 Olson, Henry L., and R. A. Miller, to Camfield Mfg. Co. 2,706,523, Cl. 161—1.  
 Olson, Henry L., and R. A. Miller, to Camfield Mfg. Co. 2,708,870, Cl. 99—391.  
 Olson, Holly M., to Sealed Power Corp. 2,722,467, Cl. 309—40.  
 Olson, Mark W., to United States Rubber Co. 2,711,985, Cl. 154—122.  
 Olson, Oliver D.: *See*—  
   Thompson, Thomas F. 2,710,343.  
 Olson, Oscar V. 2,721,365, Cl. 24—137.  
 Olson, Peter: *See*—  
   Grether, Lester M., and Olson. 2,715,812.  
 Olson, Raymond G.,  $\frac{1}{3}$  to K. T. Snow. 2,704,882, Cl. 29—159.2.  
 Olson, Raymond J.: *See*—  
   Lee, Glen M., and Olson. 2,699,340.  
 Olson, Robert L.: *See*—  
   Griffiths, Francis P., Kilpatrick, Harrington, Hendel, and Olson. 2,705,679.  
   McCready, Rolland M., Olson, and Harrington. 2,707,684.  
 Olson, Thomas A. 2,704,900, Cl. 39—74.  
 Olson, Verland A.: *See*—  
   Tasker, Homer G., and Olson. 2,717,377.  
 Olson, Walter J., to American Brake Shoe Co. 2,711,831, Cl. 212—129.  
 Olsson, Erik M.: *See*—  
   Falkman, Hans H., Karlén, and Olsson. 2,707,978.  
   Falkman, Hans H., Karlén, and Olsson. 2,707,979.  
 Olsson, Olle G. A., to Aktiebolaget Leo. 2,704,270, Cl. 167—95.  
 Olsson, Paul: *See*—  
   Frink, Russell E., and Olsson. 2,717,292.  
 Olympia Werke West G. m. b. H.: *See*—  
   Westinger, Karl, Altenburger, and Hirt. 2,705,106.  
 Omaha National Bank, The: *See*—  
   Ford, Edwin J. 2,722,982.  
 O'Maley, Claude V., to The Moto-Mower Co. 2,721,438, Cl. 56—295.  
 O'Malley, Joseph M., and W. J. Hill, to Morgan Construction Co. 2,699,684, Cl. 74—99.  
 Omberg, Arthur C., C. P. Means, and B. H. Ochterbeck, to Bendix Aviation Corp. 2,718,061, Cl. 33—1.  
 O'Meara, James P., to W. M. Sprinkman Corp. 2,727,634, Cl. 210—164.  
 Omenson, Oscar, Jr. 2,724,435, Cl. 164—73.  
 Omon, Gene L., and K. E. Hohnl, to J. I. Case Co. 2,699,961, Cl. 285—168.  
 Onan, D. W., and Sons, Inc.: *See*—  
   Jorgenson, Harry E. 2,707,263.  
 Onasch, Paul L.: *See*—  
   Doyle, James F., and Onasch. 2,704,106.  
 O'Neil, Edward F.: *See*—  
   Ruehl, Harold, Hansing, and O'Neil. 2,720,735.  
 O'Neil, Frank R., 50% to R. J. O'Hare. 2,715,881, Cl. 110—18.  
 O'Neil, Frederic W.: *See*—  
   Libby, Clarence E., and O'Neil. 2,713,540.  
 O'Neil, Gordon R., to International Harvester Co. 2,707,908, Cl. 97—190.  
 O'Neil-Irwin Mfg. Co.: *See*—  
   Linder, Victor F. 2,706,513.  
 O'Neil, James H., to Continental Can Co., Inc. 2,718,313, Cl. 214—6.  
 O'Neil, James R. 2,728,150, Cl. 35—39.  
 O'Neil, John G., to Weinon Corp. 2,725,000, Cl. 93—36.5.  
 O'Neil, John G., to Weinon Corp. 2,725,001, Cl. 93—39.2.  
 O'Neil, Thomas E. 2,716,184, Cl. 240—52.5.  
 O'Neill, Charles J. 2,719,320, Cl. 16—80.  
 O'Neill, Frank E.: *See*—  
   Johnston, Mordica O., and O'Neill. 2,710,066.  
 O'Neill, Frank E., to Johnston Testers, Inc. 2,708,132, Cl. 287—125.  
 O'Neill, George D., to Sylvania Electric Products Inc. 2,707,750, Cl. 250—13.  
 O'Neill, George D., to Sylvania Electric Products Inc. 2,707,771, Cl. 332—6.  
 O'Neill, Joseph E. 2,728,171, Cl. 51—67.  
 O'Neill, Louis R., to Westinghouse Electric Corp. 2,721,317, Cl. 340—265.  
 O'Neilly, William J., and A. Champion. 2,725,628, Cl. 30—216.  
 Onesto, Armond: *See*—  
   Fox, Bernard N. and R., and Onesto. 2,705,857.



- Ong, Floyd C.: *See*—  
MacWilliams, Walter H., Jr., and Ong. 2,726,330.
- Ongaro, Theodore, and A. R. Crawford; said Crawford assor. to Lion Mfg., Inc. 2,711,647, Cl. 73—66.
- Onions, John W. 2,723,553, Cl. 73—11.
- Onksen, George W., Jr., to General Motors Corp. 2,724,770, Cl. 240—90.
- Onondaga Pottery Co.: *See*—  
Cowan, R. Guy. Re. 23,918.  
Johnson, Walter A., and Sebell. 2,715,956.  
Pass, Richard H. 2,709,307.
- Onsrud Cutter Mfg. Co.: *See*—  
Onsrud, Rudolph F. 2,726,872.
- Onsrud, Rudolph F., to Onsrud Cutter Mfg. Co. 2,726,872, Cl. 279—103.
- Ontario Research Foundation: *See*—  
Jones, James D. 2,720,462.
- Onyx Oil and Chemical Co.: *See*—  
Tesoro, Giuliana C., and Wakeman. 2,700,683.  
Tesoro, Giuliana C., and Wakeman. 2,700,684.
- Opel, Lawrence G., to Westinghouse Electric Corp. 2,709,763, Cl. 310—194.
- Opfermann, Adolf C. J. 2,710,304, Cl. 260—534.
- Ophthalmos, Inc.: *See*—  
Feinstein, Robert R. 2,707,469.
- Opie, Joseph W., to General Mills, Inc. 2,715,641, Cl. 260—409.
- Opland, Herman T., and R. L. Sotebeer. 2,703,427, Cl. 16—83.
- Opocensky, Willard J., to Librascope, Inc. 2,727,406, Cl. 74—548.
- Opotow, Nathan. 2,708,789, Cl. 32—19.
- Oppel, John A.: *See*—  
Schneider, Harold N., and Oppel. 2,724,749.
- Oppenheim, David. 2,702,309, Cl. 136—110.
- Oppenheimer, Edgar D., Jr., to Mergenthaler Linotype Co. 2,723,024, Cl. 199—51.
- Oppenheimer, Frank, to the United States of America as represented by the United States Atomic Energy Commission. 2,719,925, Cl. 250—49.5.
- Oppenheimer, Franz: *See*—  
Levinson, Sidney O., and Oppenheimer. 2,725,482.
- Oppenheimer, J. Robert, S. P. Frankel, and E. C. Nelson, to the United States of America as represented by the United States Atomic Energy Commission. 2,719,924, Cl. 250—41.9.
- Oppenheimer, Jess. 2,719,043, Cl. 280—47.11.
- Oppenlander, Richard C., and J. C. Rowley, Jr., to Rocco Products Inc. 2,714,510, Cl. 273—149.
- Oppliger, Walter, to Durand & Huguenin A. G. 2,705,717, Cl. 260—316.
- Opsahl, Eugene G., to American Steel Foundries. 2,722,292, Cl. 188—226.1.
- Optron Laboratory: *See*—  
Lapenas, Torpia A., and Mohn. 2,699,633.
- Opuszenski, Theodore, to The Gorn Electric Co. 2,711,454, Cl. 200—84.
- Oram, Ray C.: *See*—  
Spindler, Norman J., Bloomstran, Larson, and Oram. 2,717,699.
- Orangeburg Mfg. Co., Inc.: *See*—  
De Bell, John M., and Nickerson. 2,715,615.
- Oransky, Raymond L., and T. Doggett, to S. D. Warren Co. 2,724,665, Cl. 117—155.
- Orbit Valve Co.: *See*—  
Blevans, Don W. 2,719,022.
- Orbits, Hallam H. 2,709,088, Cl. 280—432.
- Orchard Industries, Inc.: *See*—  
Thompson, Dale F., and McMullin. 2,721,654.  
Van de Vanter, Raymond V. 2,721,599.  
Von Reis, Alf E. G., Kreisher, and Quitter. 2,721,820.
- Ording, James R., to Esso Research and Engineering Co. 2,712,124, Cl. 340—15.
- Ordinance Gauge Co., The: *See*—  
Sirmay, Julius, and Zeruneith. 2,705,410.
- Ordorica, Miguel A., and J. E. Pursell, to Bank of America National Trust and Savings Association. 2,721,636, Cl. 189—64.
- Ore, Carl V. 2,699,263, Cl. 211—113.
- Oregon Saw Chain Corp.: *See*—  
Cox, Joseph B. 2,705,376.
- O'Reilly, Joseph A. 2,725,173, Cl. 229—17.
- Orelind, John R., to International Harvester Co. 2,711,065, Cl. 56—27.
- Orelind, John R., and W. H. Harstick, to International Harvester Co. 2,705,970, Cl. 137—238.
- Orelind, John R., H. W. Hein, and J. Paplaski, to International Harvester Co. 2,725,187, Cl. 233—19.
- Orem, Thomas R.: *See*—  
McCarthy, Paul R., and Orem. 2,704,276.
- Orendorff, John W., to International Harvester Co. 2,724,491, Cl. 198—197.
- Orent, Edward: *See*—  
Purchas, William J., Jr., and Orent. 2,701,164.
- Orent, Henry P.: *See*—  
Hillmer, Herman H., and Orent. 2,702,431.
- Organics, Inc.: *See*—  
Hicks, Lawrence. 2,698,855.
- Organon Inc.: *See*—  
Grob, Cyril. 2,715,143.
- Origin Rapp S. p. A.: *See*—  
Bombardieri, Ippolito. 2,705,975.
- Orkin, Bernard A., to Socony-Vacuum Oil Co., Inc. 2,701,803, Cl. 260—332.3.
- Orlandi, Nello. 2,708,120, Cl. 280—112.
- Orlando, Carl, to the United States of America as represented by the Secretary of the Army. 2,712,607, Cl. 250—49.5.
- Orlando, Vincent A., to General Electric Co. 2,700,739, Cl. 310—166.
- Orlansky, Jesse. 2,704,321, Cl. 240—7.7.
- Orlich, Peter: *See*—  
Heitmuller, Hanfried, and Orlich. 2,710,559.
- Orlin, Morris D. 2,707,311, Cl. 20—45.
- Orlowsky, Emilie L.: *See*—  
Sihler, Immanuel, and Biersack. 2,717,287.
- Orms, Francis. 2,703,823, Cl. 179—146.
- Orner, Harry. 2,714,821, Cl. 74—459.
- Oronzio De Nora Impianti Elettrochimici: *See*—  
De Nora, Vittorio. 2,700,650.
- Orosz, Ilona L. 2,699,127, Cl. 107—46.
- O'Rourke, Robert. 2,698,771, Cl. 304—5.
- O'Rourke, Joseph A.: *See*—  
Binder, Eugene, and O'Rourke. 2,705,874.
- Orowick, Raymond T. 2,710,727, Cl. 242—77.
- Orozco, Gilbert H., and R. F. Roy, to The Pennsylvania Salt Mfg. Co. 2,712,511, Cl. 148—6.15.
- Orr, Albert S.: *See*—  
Fernald, Herbert B., and Orr. 2,710,300.
- Orr, F. J.: *See*—  
Linscheid, Arthur A. 2,716,319.
- Orr Felt and Blanket Co., The: *See*—  
Kelly, Vincent C., and Smith. 2,722,951.  
Ramer, John L., and Molander. 2,724,414.
- Orr, Fingal C. 2,719,751, Cl. 299—69.
- Orr, Harry C.: *See*—  
Johnston, Loyal L., and Orr. 2,705,352.
- Orr, Henrietta A. 2,702,545, Cl. 128—159.
- Orr, Howard H., to Orr Mfg. Co., Inc. 2,708,392, Cl. 93—8.
- Orr, Howard H. 2,708,393, Cl. 93—8.
- Orr, Howard S.: *See*—  
Mursch, William H., and Orr. 2,721,739.
- Orr, Howard S., to United States Steel Corp. 2,714,787, Cl. 51—142.
- Orr, James V. 2,717,161, Cl. 280—36.
- Orr, John A., Sr. 2,709,602, Cl. 280—6.
- Orr, John H., to Carbodies Ltd. 2,704,226, Cl. 296—117.
- Orr, John H., to Carbodies Ltd. 2,707,129, Cl. 296—107.
- Orr, John H., to Carbodies Ltd. 2,711,924, Cl. 296—107.
- Orr, John H., to Carbodies Ltd. 2,715,545, Cl. 296—117.
- Orr, John H., to Carbodies Ltd. 2,719,750, Cl. 296—44.
- Orr, John H., to Carbodies Ltd. 2,727,783, Cl. 296—107.
- Orr Mfg. Co., Inc.: *See*—  
Orr, Howard H. 2,708,392.
- Orr, Palmer, and C. L. Swift, to Borg-Warner Corp. 2,708,017, Cl. 192—13.
- Orr, Palmer, and C. J. Conkle, to The Borg-Warner Corp. 2,720,120, Cl. 74—472.
- Orshansky, Elias, Jr., to International Business Machines Corp. 2,709,408, Cl. 103—38.
- Orsini, William. 2,708,741, Cl. 339—276.
- Ortega, Mario De J., deceased; P. A. Ortega, administratrix. 2,709,444, Cl. 134—58.
- Ortega, Pauline A.: *See*—  
Ortega, Mario De J. 2,709,444.
- Orth, Henry C., to Sperry Rand Corp. 2,724,415, Cl. 140—92.2.
- Orth, Howard S., C. R. Oberst, and W. E. Cramer, to Industrial Ceramic Products, Inc. 2,713,712, Cl. 25—153.
- Orth, Walter A.: *See*—  
Gleason, Paul J., and Orth. 2,700,449.
- Orthopedic Frame Co.: *See*—  
Rowe, Kenneth R. 2,702,550.
- Ortho Pharmaceutical Corp.: *See*—  
Castelli, Charles. 2,714,886.
- Ortiz, Mariano. 2,700,385, Cl. 128—215.
- Ortlieb, Alfred, and E. Traub, to Robert Bosch G. m. b. H. 2,726,179, Cl. 117—227.
- Ortlinghaus, Adolf. 2,710,545, Cl. 74—341.
- Ortloff, John E., and E. C. Fitch, Jr., to Esso Research and Engineering Co. 2,706,104, Cl. 255—61.
- Ortman, Charles H.,  $\frac{1}{2}$  to I. J. Warner. 2,701,487, Cl. 81—49.
- Ortman, Charles H.,  $\frac{1}{2}$  to I. J. Warner. 2,701,488, Cl. 81—49.
- Ortman, Earl R. 2,707,030, Cl. 166—75.
- Ortner Co.: *See*—  
Ortner, Joseph L. 2,707,533.
- Ortner, Joseph L.: *See*—  
Hall, Robert W. 2,698,629.
- Ortner, Joseph L., to Ortner Co. 2,707,533, Cl. 188—210.
- Ortolani, Gino: *See*—  
Marchetti, Ivo J. 2,720,672.
- Orton, Melvern: *See*—  
Schultz, Henry J., and Orton. 2,711,446.  
Schultz, Henry J., and Orton. 2,711,447.
- Ortusi, Antoine J.: *See*—  
Gutton, Henri. Ortusi, and Frumkin. 2,710,364.
- Ortwig, Thomas B., to James R. Kearney Corp. 2,707,732, Cl. 200—48.
- O'Russa, Lorence. 2,722,783, Cl. 51—102.
- Orvis, Elmer P.: *See*—  
Hueffed, Homer C., and Orvis. 2,725,488.
- Orwoll, Edward F., to Food Machinery and Chemical Corp. 2,717,907, Cl. 260—521.



- Osakeyhtio Tebul Aktiebolag: *See*—  
 Törnkvist, Rolf E. A., and Österberg. 2,699,757.
- Osako, Cleotra. 2,718,652, Cl. 15—131.
- Osann, Edward W., Jr.: *See*—
- Osbaldeston, Joseph: *See*—  
 Watson, William H., Osbaldeston, and Buckley. 2,728,113.
- Osborn, Leonard C. 2,701,489, Cl. 81—53.
- Osborn Mfg. Co., The: *See*—  
 Peterson, Ruben O. 2,703,472.  
 Peterson, Ruben O. 2,704,854.  
 Peterson, Ruben O. 2,704,916.  
 Peterson, Ruben O. 2,714,738.
- Osborn, Ralph C., to Henney Motor Co., Inc. 2,721,624, Cl. 183—37.
- Osborn, Walter C. 2,721,524, Cl. 107—50.
- Osborn, William H., to Phelps Dodge Corp. 2,699,387, Cl. 75—9.
- Osborn, William H., to Phelps Dodge Corp. 2,715,062, Cl. 75—14.
- Osborne, Fred. 2,702,407, Cl. 18—25.
- Osborne, Fred H.: *See*—  
 Hull, Charles J., and Osborne. 2,725,235.
- Osborne, Herbert G.: *See*—  
 Hankin, Robert W., and Osborne. 2,727,272.
- Osborne, Herbert L., to General Electric Co. 2,701,036, Cl. 188—171.
- Osborne, James C.: *See*—  
 Murray, John F., and Osborne. 2,699,724.
- Osborne, Mark J.: *See*—  
 Streb, Joseph C., and Osborne. 2,708,043.
- Osborne, Samuel C., to Carrier Corp. 2,709,522, Cl. 210—36.
- Osbourne, Alfred S.: *See*—  
 Dorsey, Joseph W., Liebman, and Osbourne. 2,699,586.
- Oscarson, Edwin T.: *See*—  
 Powers, Frank M., Oscarson, and Garecht. 2,710,012.
- Oschmann, Edward F., to Radio Corp. of America. 2,724,802, Cl. 332—28.
- Osdal, Le Verne K., to E. I. du Pont de Nemours and Co. 2,703,765, Cl. 117—75.
- Osgood, Clarence H. 2,715,741, Cl. 15—74.
- Osgood, Clarence H. 2,727,267, Cl. 15—182.
- O'Shei, William E. 2,701,891, Cl. 15—250.
- O'Shei, William E. 2,711,553, Cl. 15—255.
- O'Shei, William E. 2,724,996, Cl. 88—98.
- O'Shei, William E. 2,728,244, Cl. 74—522.
- Osman, Ralph T., to L. E. Jones. 2,707,357, Cl. 51—170.
- Osmond, Aubrey H.: *See*—  
 Campbell, Joseph L., Osmond, and Hutchinson. 2,709,665.
- Osmun, Dean W. 2,706,616, Cl. 255—27.
- Osmun, Fred N. 2,710,064, Cl. 166—70.
- Osmun, Paul M. 2,709,603, Cl. 280—1137.
- Osmundson, I. A.: *See*—  
 Peabody, Louis C. 2,723,749.
- Ospelt, Gustav: *See*—  
 Scheiterlein, Andreas. 2,720,198.  
 Scheiterlein, Andreas. 2,725,866.
- Osram G. m. b. H., Kommanditgesellschaft: *See*—  
 Schaefer, Franz. 2,706,691.  
 Tarquinee, Valentine, and Scovill. 2,698,467.
- Osrow, Adolph L. 2,698,452, Cl. 15—136.
- Osrow, Adolph L. 2,708,902, Cl. 120—13.
- Osrow, Harold: *See*—  
 Osrow, Leonard and H. Osrow. 2,717,176.  
 Osrow, Leonard, and H. Osrow. 2,717,176, Cl. 299—84.
- Ossian Engineering Co., Inc.: *See*—  
 Foss, Burdette W., and Hunter. 2,699,884.
- Ossoinack, Andrea. 2,703,487, Cl. 72—41.
- Ostapkovich, Peter L., to Philco Corp. 2,713,133, Cl. 317—239.
- Ostaszkeski, Michael V.: *See*—  
 Merancy, Arthur E. 2,705,791.
- Østberg, Werner. 2,700,246, Cl. 46—64.
- Ostendorf, Bernard, Jr.: *See*—  
 Locke, George A., Meluish, and Ostendorf. 2,714,626.
- Oster, Harold, and J. A. Marconi. 2,713,686, Cl. 2—266.
- Oster, John, Mfg. Co.: *See*—  
 Fillweber, Marcellus L. 2,707,852.  
 Lee, Charles B., and Neff. 2,699,509.  
 Madl, Alfred W. 2,699,925.  
 Sadlon, Stephen. 2,707,949.
- Oster Mfg. Co., The: *See*—  
 Chasar, Anthony R. 2,705,642.
- Oster, Thomas H., to Ford Motor Co. 2,724,801, Cl. 324—158.
- Osterberg, Harold, and A. H. Bennett, to American Optical Co. 2,700,918, Cl. 88—39.
- Osterberg, Kenneth A. 2,705,384, Cl. 43—44.9.
- Österberg, Väinö W.: *See*—  
 Törnkvist, Rolf E. A., and Österberg. 2,699,757.
- Ostergren, Axel H., and K. G. Boren, to Aktiebolaget Elektrolux. 2,715,322, Cl. 62—119.5.
- Osterhus, Ervin J.: *See*—  
 Richards, Archer W., and Osterhus. 2,727,407.
- Österman, Karl, and G. Arnberg, to Svenska Aktiebolaget Gasaccumulatorator. 2,717,569, Cl. 113—59.
- Osterman, Philip C., to American Gas Furnace Co. 2,726,854, Cl. 263—21.
- Osterreichische Stickstoffwerke Aktiengesellschaft: *See*—  
 Bretschneider, Hermann, and Klotzer. 2,703,800.
- Osterud, Robert: *See*—  
 Vigum, Leonard N., and Osterud. 2,700,859.
- Ostfeld, Lou: *See*—  
 Pilblad, Eric J. 2,726,391.
- Ostlie, Ray H.: *See*—  
 Anderson, Wyman M., and Ostlie. 2,707,721.
- Ostling, Carl A., to United States Rubber Co. 2,724,425, Cl. 154—14.
- Ostnas, Lars O., and A. H. Dahl; said Dahl assor. to said Ostnas. 2,700,464, Cl. 206—73.
- Ostrander, Robert K. 2,727,334, Cl. 46—120.
- Ostrander, William M., to Westinghouse Electric Corp. 2,727,592, Cl. 187—29.
- Ostroff, Harold H.: *See*—  
 Toney, Ernest W., Ostroff, and Ballauer. 2,716,459.
- Ostroff, Harold H., A. C. Ballauer, and J. J. Mazzoni, to McDonnell Aircraft Corp. 2,706,885, Cl. 60—35.6.
- Ostrom, Ernest A., to Lessard-Lees, Inc. 2,716,331, Cl. 62—107.
- Ostrom, Gustaf A.: *See*—  
 De Long, William T., and Ostrom. 2,711,959.
- Ostuw, Irving, and H. D. Dillard. 2,713,904, Cl. 164—76.
- Ostwald, Ulrich: *See*—  
 Weingand, Richard, and Ostwald. 2,709,138.
- Ostwaldt, Erich, to Adrema Maschinenbau G. m. b. H. 2,708,439, Cl. 129—16.8.
- Ostwaldt, Erich, to Adrema Maschinenbau G. m. b. H. 2,722,128, Cl. 74—38.
- O'Sullivan, Eugene. 2,702,421, Cl. 25—131.
- Oswald, Joseph H. 2,716,262, Cl. 20—53.
- Oswald, Robert A. 2,705,616, Cl. 346—107.
- Oswalt, Harry L. 2,724,481, Cl. 198—9.
- Oswalt, Harry L. 2,728,283, Cl. 97—34.
- Oswego Falls Corp.: *See*—  
 Barnes, Alfred A., and Klein. 2,726,583.  
 Weber, William J., and Rockcastle. 2,709,513.  
 Wilcox, Isaac L. 2,704,179.
- Wilcox, Isaac L. 2,718,322.
- Oswin, Charles R.: *See*—  
 Berry, William, and Oswin. 2,709,146.
- Ota, Tadanao: *See*—  
 Kodama, Shinjiro, Goto, Komiyama, Ota, and Zen. 2,716,629.
- Otani, Shozaburo. 2,714,044, Cl. 304—24.
- Otis Elevator Co.: *See*—  
 Bruns, William H. 2,699,226.  
 Bruns, William H. 2,712,365.  
 Durang, Edwin F., Fiedler, and Margles. 2,708,997.  
 Galanty, Harold E. 2,720,284.  
 Margles, Samuel G., and Yost. 2,723,020.  
 Tofanelli, Daniel D. 2,700,434.
- Otis, Herbert C.: *See*—  
 Wilhoit, Lowell M., Schramm, and Otis. 2,726,723.  
 Wilhoit, Lowell M., Schramm, and Otis. 2,726,724.
- Otis Pressure Control, Inc.: *See*—  
 Fredd, John V. 2,708,316.
- Otis, Russell M., and R. L. Alder, to Lane-Wells Co. 2,700,131, Cl. 324—1.
- Otis, Stanley J., and N. J. Wedekind. 2,722,299, Cl. 192—26.
- Otley, Kurt O., and W. A. Weyl, to the United States of America as represented by the Secretary of the Army. 2,722,519, Cl. 252—408.
- O'Toole, Charles E.: *See*—  
 Reinish, Gloria B., and O'Toole. 2,716,236.
- Otradovec, Joseph. 2,708,464, Cl. 143—43.
- Ots, Ivan H., to Ateliers de Constructions Electriques de Charleroi. 2,715,189, Cl. 310—8.7.
- Ott, Charles J. 2,707,651, Cl. 294—61.
- Ott, Charles W. 2,723,466, Cl. 35—35.
- Ott, George E., Jr.: *See*—  
 Bain, James, Jr., and Ott. 2,703,609.
- Ott, Hansgeorg: *See*—  
 Tittel, Josef, Baumann, and K. Ott. 2,710,931.
- Ott, Ilse: *See*—  
 Tittel, Josef, Baumann, and K. Ott. 2,710,931.
- Ott, Josef, to L. Schuler, A. G. 2,727,573, Cl. 164—102.
- Ott, Karl: *See*—  
 Tittel, Josef, Baumann, and K. Ott. 2,710,931.
- Ott, Rudolf: *See*—  
 Tittel, Josef, Baumann, and K. Ott. 2,710,931.
- Ottawa Steel, Inc.: *See*—  
 Dorkins, Evan E. 2,705,971.  
 Dorkins, Evan E. 2,710,699.
- Ottawa Warner Corp., Inc.: *See*—  
 Warner, Eugene L., and Dooley. 2,708,798.
- Ottenherm, Johannes H., to De Directie van de Staatsmijnen in Limburg, handelend voor en namens de Staat der Nederlanden. 2,709,179, Cl. 260—566.
- Otti, Raymond L. 2,709,292, Cl. 25—131.
- Ottinger, August F., and R. E. Pierce, to Bemis Bro. Bag Co. 2,712,843, Cl. 150—1.
- Otto, Carl A., to Johnson Service Co. 2,720,218, Cl. 137—595.
- Otto, Carl A., to Johnson Service Co. 2,720,378, Cl. 251—61.
- Otto, Carl W.: *See*—  
 Abbott, John F. S., and Otto. 2,707,205.
- Otto, Edward H. 2,718,855, Cl. 107—57.
- Otto, Eugene J., to Allis-Chalmers Mfg. Co. 2,721,484, Cl. 74—230.17.
- Otto, Ferdinand P., to Socony-Vacuum Oil Co., Inc. 2,698,835, Cl. 252—49.8.
- Otto, Ferdinand P., to Socony Mobil Oil Co., Inc. 2,722,554, Cl. 260—609.
- Otto, Gerhold L., to Davis & Thompson Co. 2,701,482, Cl. 77—18.
- Otto, Julian A., and B. Veldhuis, to Allied Chemical & Dye Corp. 2,702,303, Cl. 260—601.



- Otto, Walter, and J. S. Herson. 2,715,219, Cl. 343—8.  
 Oulianoff, George, and J. Ranson, to Rolls-Royce Ltd. 2,699,645, Cl. 60—35.6.  
 Oulianoff, George, and J. Evans, to Rolls-Royce Ltd. 2,709,894, Cl. 60—39.65.  
 Oulianoff, George, and J. Evans, to Rolls-Royce Ltd. 2,720,080, Cl. 60—39.36.  
 Ours, Statton R., to S. P. Vaughn. 2,706,303, Cl. 15—119.  
 Our Savior's Evangelical Lutheran Church: *See*—  
 Sundholm, Edwin P. 2,715,491.  
 Oury Engineering Co.: *See*—  
 MacKinney, Paul M., and Oury. 2,705,621.  
 Oury, John F.: *See*—  
 MacKinney, Paul M., and Oury. 2,705,621.  
 Outboard, Marine & Mfg. Co.: *See*—  
 Coners, Thomas E. 2,708,334.  
 Conover, Warren C. 2,713,854.  
 Irgens, Finn T. 2,725,075.  
 Morris, Curtis T., and Coners. 2,719,396.  
 Shimanckas, William J. 2,723,655.  
 Oval Wood Dish Corp.: *See*—  
 Hull, Gerald P. 2,723,661.  
 Overacker, Horace E., and W. R. Hewlett, to Hewlett-Packard Co. 2,724,799, Cl. 324—95.  
 Overbaugh, Charles B. 2,709,033, Cl. 229—16.  
 Overbaugh, Walter V.: *See*—  
 Skelton, William E., Overbaugh, and Kirsch. 2,719,145.  
 Overbeck, Charles F., to The Baker-Raulang Co. 2,724,520, Cl. 214—652.  
 Overbeck, Sam W. 2,722,069, Cl. 40—31.  
 Overbeck, Wilcox P., to the United States of America as represented by the Secretary of the Navy. 2,724,789, Cl. 315—84.5.  
 Overbeke, John W.: *See*—  
 Badger, Everett H., Jr., Dahl, and Overbeke. 2,716,999.  
 Ford, Alfred, and Overbeke. 2,715,419.  
 Overbeke, John W., and E. H. Badger, Jr., to The Parker Appliance Co. 2,703,096, Cl. 137—235.  
 Overby, Roy P. 2,716,044, Cl. 311—19.  
 Overby, Sune L.: *See*—  
 Ericsson, Eric A., Jorgensen, and Overby. 2,725,474.  
 Overdijk, Willebrordus A. G. 2,707,488, Cl. 138—44.  
 Overfield-Collins, E., and A. P. Saunders, to Wildt and Co. Ltd. 2,723,544, Cl. 66—24.  
 Overholser, John S.: *See*—  
 Sawyer, Marshall W., Wilson, Kenway, and Overholser. 2,712,210.  
 Overhouse, John A.: *See*—  
 Ristila, Matt, and Overhouse. 2,715,543.  
 Overman, Edward G. 2,710,575, Cl. 99—421.  
 Overman, Harold L., to International Telephone and Telegraph Corp. 2,706,252, Cl. 250—40.  
 Overman, Max C., to Cymax Corp. 2,699,193, Cl. 152—209.  
 Overstreet, Le Roy, Jr. 2,715,882, Cl. 111—3.  
 Overton, Lyle S., to Overton Machine Co. 2,703,654, Cl. 214—17.  
 Overton Machine Co.: *See*—  
 Overton, Lyle S. 2,703,654.  
 Ovshinsky, Stanford, to The Stanford-Roberts Mfg. Co. 2,699,083, Cl. 82—21.  
 Ovshinsky, Stanford, to The Stanford-Roberts Mfg. Co. 2,699,084, Cl. 82—40.  
 Owen, Benjamin F. 2,711,599, Cl. 37—129.  
 Owen, Emily M., and S. R. Buc, to General Aniline & Film Corp. 2,711,397, Cl. 252—152.  
 Owen, Frank M. 2,699,965, Cl. 294—82.  
 Owen, Frank M. 2,711,755, Cl. 137—520.  
 Owen, Harold A.: *See*—  
 Spanel, Louis A., Owen, and Barth. 2,721,323.  
 Owen, Harold A., to International Latex Corp. 2,703,416, Cl. 5—348.  
 Owen, James R., to Phillips Petroleum Co. 2,700,061, Cl. 260—674.  
 Owen, John E., to Geophysical Research Corp. 2,707,768, Cl. 324—1.  
 Owen, John J., and J. K. Mertzweiler, to Standard Oil Development Co. 2,699,454, Cl. 260—638.  
 Owen, John J., and F. J. Buchmann, to Esso Research and Engineering Co. 2,706,206, Cl. 260—604.  
 Owen, Jonas L., and A. Persson. 2,718,245, Cl. 143—133.  
 Owen, LeRoy E.: *See*—  
 Yates, Richard C., and Owen. 2,722,045.  
 Owen, Webster J., J. F. Gordon, and P. W. Maurer, to General Motors Corp. 2,714,808, Cl. 62—4.  
 Owen, William K., to D. L. Herzer. 2,705,120, Cl. 248—120.  
 Owen, William L. 2,701,792, Cl. 210—23.  
 Owens-Corning Fiberglas Corp.: *See*—  
 Bacon, Clare E., Stotler, and Meyer. 2,702,261.  
 Bensinger, Clarence G. 2,702,642.  
 Biefeld, Lawrence P. 2,712,509.  
 Biefeld, Lawrence P. 2,723,210.  
 Biefeld, Lawrence P., and Armstrong. 2,712,512.  
 Biefeld, Lawrence P., Armstrong, and Shannon. 2,717,841.  
 Biefeld, Lawrence P., and Lydic. 2,723,215.  
 Collins, Howard W. 2,723,705.  
 De Brock, Robert F. 2,700,784.  
 De Ganahl, Carl, Grant, and Bacon. 2,714,414.  
 Drummond, Warren W. 2,701,936.  
 Drummond, Warren W. 2,719,351.  
 Drummond, Warren W., and Frickert. 2,714,797.  
 Farris, Robert W. 2,701,777.  
 Farris, Robert W. 2,712,506.  
 Fletcher, Ed. 2,717,416.  
 Owens-Corning Fiberglas Corp.: *See*—Continued.  
 Lannan, George M. 2,702,069.  
 Morrison, Albert R. 2,703,774.  
 Morrison, Albert R. 2,723,208.  
 Nachtman, John S. 2,699,415.  
 Pearson, Arthur J. 2,707,690.  
 Philipps, Thomas E. 2,723,209.  
 Russell, Robert C. Re. 24,060.  
 Slayter, Games. 2,703,762.  
 Slayter, Games. 2,706,377.  
 Slayter, Games, and Drummond. 2,719,350.  
 Slayter, Games, and Drummond. 2,719,352.  
 Stalego, Charles J. 2,699,631.  
 Stalego, Charles J. 2,706,365.  
 Steitz, William R. 2,715,299.  
 Stotler, Richard V. 2,719,336.  
 Waggoner, Jack H. 2,710,275.  
 Owens, Edward O., and L. M. Ezzell. 2,716,885, Cl. 73—48.  
 Owens, Freeman H. 2,704,008, Cl. 88—26.  
 Owens, Freeman H. 2,709,636, Cl. 346—107.  
 Owens-Illinois Glass Co.: *See*—  
 Hughes, William E., Jr., and Zauner. 2,718,731.  
 Jackson, Albert S., Heyne, Johnson, and McLaughlin. 2,718,847.  
 Sherman, Orville B. 2,710,987.  
 Van Steyn, Gerard K. 2,710,690.  
 Weber, Walter C. 2,715,751.  
 Zitkus, Victor J. 2,721,535.  
 Owens, Loran L.: *See*—  
 Mirick, Melvin R., and Owens. 2,702,735.  
 Owens, Robert J.: *See*—  
 Temple, Clarence V., and Owens. 2,709,800.  
 Owens, Samantha C. 2,711,213, Cl. 155—188.  
 Owens, William D., to Eastman Kodak Co. 2,716,210, Cl. 318—146.  
 Owsen, Paul J.: *See*—  
 Owsen, Peter and P. J. 2,722,370.  
 Owsen, Paul J. and P. 2,717,808, Cl. 301—5.7.  
 Owsen, Paul J. and P. 2,722,430, Cl. 280—11.31.  
 Owsen, Peter: *See*—  
 Owsen, Paul J. and P. 2,717,808.  
 Owsen, Paul J. and P. 2,722,430.  
 Owsen, Peter and Paul J. 2,722,370, Cl. 230—2.  
 Oxaal, Lelf, and M. I. Choumenkovitch, to Intercraft Corp. 2,718,133, Cl. 67—7.  
 Oxenfeld, Charles K. 2,723,747, Cl. 206—45.14.  
 Oxford, George R. 2,726,666, Cl. 134—58.  
 Oxford, William F., Jr., to Sun Oil Co. 2,720,490, Cl. 210—23.  
 Oxhandler, Samuel, to Sargent & Co. 2,715,270, Cl. 30—262.  
 Oxhandler, Samuel, and J. H. Lewis; said Oxhandler assor. to Sargent & Co., and said Lewis assor. to Blue Ridge Glass Corp. 2,700,887, Cl. 70—451.  
 Oxy-Catalyst, Inc.: *See*—  
 Bowen, William M., III. 2,718,460.  
 Harrison, James W. 2,715,671.  
 Houdry, Eugene J. 2,699,989.  
 Oyen, John M. F. 2,722,858, Cl. 81—15.  
 Ozalid Co. Ltd.: *See*—  
 Franke, Robert H., and Murray. 2,720,467.  
 Ozark-Mahoning Co.: *See*—  
 Hood, Archie. 2,712,548.  
 Young, Walter L., Douglas, Stengl, and Bedwell. 2,723,659.  
 Ozenne, Gilbert J.: *See*—  
 Grace, Nelson E., and Ozenne. 2,709,473.  
 Ozenne, Lawrence: *See*—  
 Foreman, Lonnie G., and Ozenne. 2,705,375.  
 Ozment, Charles J. 2,720,809, Cl. 84—466.  
 P. B. R. Mfg. Co.: *See*—  
 Pucci, Joseph. 2,703,741.  
 Pucci, Joseph. 2,725,676.  
 Rachman, Isadore B., and Bobb. 2,725,153.  
 PM Industries, Inc.: *See*—  
 Barradas, George. 2,715,087.  
 Meretey, Zoltan N. 2,721,043.  
 Paasche, Bertha. 2,702,148, Cl. 223—68.  
 Paasche, Bertha. 2,706,588, Cl. 223—84.  
 Paasche, Jens A. 2,707,657, Cl. 299—86.  
 Paasche, Jens A., to Cline Electric Mfg. Co. 2,728,238, Cl. 74—99.  
 Pabst Brewing Co.: *See*—  
 Lipton, Samuel H., and Morell. 2,700,038.  
 Rue, Harold E., and Tigerman. 2,699,338.  
 Pacciarini, Antonio, to Pirelli S. p. A. 2,728,105, Cl. 18—17.  
 Pace, Benjamin S., to Stanolind Oil and Gas Co. 2,721,205, Cl. 260—450.  
 Pace, Henry A.: *See*—  
 Durst, Jack R., and Pace. 2,706,311.  
 Pace, Percy L. 2,715,785, Cl. 36—7.8.  
 Pace, Ralph C. 2,722,860, Cl. 84—411.  
 Pacha, Bill I. 2,702,449, Cl. 56—33.  
 Pacific Airmotive Corp.: *See*—  
 Edelman, Philip, and Rudy. 2,709,339.  
 Pacific Can Co.: *See*—  
 Colvin, William I. 2,701,000.  
 Pacific Car and Foundry Co.: *See*—  
 Henrikson, Thor O. 2,719,729.  
 Pacific Foundry Co., Ltd.: *See*—  
 Hartley, Henry J. 2,710,585.  
 Pacific Laboratories, Inc.: *See*—  
 Berglund, Ralph M. 2,712,153.  
 Biery, Galen A., and Simmons. 2,700,590.



- Pacific Mills : *See*—  
 Norman, Daniel P. 2,717,901.  
 Norman, Daniel P. 2,723,281.  
 Wilkie, Robert C. 2,706,834.  
 Wilkie, Robert C. 2,707,806.
- Pacific Olive Co. : *See*—  
 Smith, Laurence H. 2,700,996.
- Pacific Pumps, Inc. : *See*—  
 Ecker, Murry F. 2,699,723.
- Pacific Shake & Shingle Co. : *See*—  
 Brown, Gordon. 2,704,093.
- Pacific Transducer Corp. : *See*—  
 Argabrite, George A. 2,700,109.  
 Argabrite, George A. 2,701,964.
- Pacific Coast Co., The : *See*—  
 Rothrock, Virgil H. 2,702,570.
- Pacific Union Metal Co. : *See*—  
 Lloyd, William H. 2,698,519.  
 Lloyd, William H. 2,698,520.
- Package Enterprises, Inc. : *See*—  
 Toby, Max E. 2,708,539.
- Package Machinery Co. : *See*—  
 Gross, Frank C., and Luczek. 2,704,966.  
 Harkess, William L. 2,698,559.  
 Lyon, Norman W., and Labine. 2,727,344.  
 Palmer, Frank D. 2,718,301.  
 Schoppee, Lawrence W. 2,727,345.  
 Wethe, Harry K. 2,721,444.
- Package Stacker, Inc. : *See*—  
 Thomson, Ely K. 2,703,653.
- Packaging Corp. of America : *See*—  
 Mitchell, James V. 2,723,075.
- Packaging Materials Corp. : *See*—  
 Brown, Paul. 2,704,268.  
 Brown, Paul. 2,714,340.  
 Brown, Paul. 2,714,570.  
 Perry, Eugene L. 2,702,497.
- Packard-Bell Co. : *See*—  
 Leitner, Richard G., Martin, and Green. 2,708,696.
- Packard, E. B., Co., Inc. : *See*—  
 Packard, Theodore. 2,715,730.
- Packard, Elon E. 2,706,537, Cl. 188—210.
- Packard, Freeman G. : *See*—  
 Bassett, Gordon H., and Packard. 2,710,057.
- Packard, Freeman G., to Lever Brothers Co. 2,715,110, Cl. 252—109.
- Packard, Theodore, to E. B. Packard Co., Inc. 2,715,730, Cl. 1—50.
- Packchianian, Ardzoony A. 2,706,767, Cl. 219—46.
- Packer, Glenn W., to Goodman Mfg. Co. 2,699,190, Cl. 144—304.
- Packer, Glenn W., to Goodman Mfg. Co. 2,717,791, Cl. 287—62.
- Packer, Howard, and G. Chalfant, to Witco Chemical Co. 2,707,195, Cl. 260—514.
- Packer Sales Corp., The : *See*—  
 Myers, Hubert C. 2,726,776.
- Packham, Alfred J. H. 2,725,166, Cl. 223—111.
- Packwood, George H., Jr. 2,727,656, Cl. 222—196.
- Pacsu, Eugene : *See*—  
 Mora, Peter T., and Pacsu. 2,719,179.
- Padbury, John J. : *See*—  
 Price, John A., and Padbury. 2,722,525.
- Padbury, John J., and J. A. Price, to American Cyanamid Co. 2,726,229, Cl. 260—85.5.
- Paddick, Charlie W. 2,719,732, Cl. 280—453.
- Padelt, Johannes G. : *See*—  
 Nerwin, Hubert, and Padelt. 2,719,679.
- Padgett, Jay D. 2,713,294, Cl. 95—76.
- Padille, Albert R. 2,701,073, Cl. 214—521.
- Padron, Roque G. 2,725,512, Cl. 318—254.
- Paganelli, James A. 2,700,252, Cl. 47—1.
- Pagano, Frank. 2,708,612, Cl. 309—33.
- Page, Ancel S. 2,723,870, Cl. 287—85.
- Page, Anthony J. : *See*—  
 Aller, Willis F., and Page. 2,727,311.
- Page, Anthony J., and D. R. P. Haig, to Johns Manville Corp. 2,708,643, Cl. 117—69.
- Page, Clarence and G. A. 2,717,729, Cl. 226—14.
- Page, Fountain T., to Westinghouse Electric Corp. 2,709,746, Cl. 250—27.
- Page, Frank R., to Scott & Williams, Inc. 2,727,374, Cl. 66—108.
- Page, George A. : *See*—  
 Page, Clarence and G. A. 2,717,729.
- Page, George H. 2,704,545, Cl. 129—1.
- Page, Harry L., to Transograph, Inc. 2,701,915, Cl. 32—32.
- Page, Harry L., to Transograph, Inc. 2,713,721, Cl. 32—32.
- Page, Herbert F., assor. of 50% to W. E. White. 2,716,477, Cl. 194—72.
- Page, James : *See*—  
 Rose, Alfred G., Kay, and Page. 2,708,054.
- Page, John, to United States Gypsum Co. 2,707,818, Cl. 29—208.
- Page, John S., to Page Oil Tools Inc. 2,717,004, Cl. 137—637.
- Page, John S., to Fluidal Valves, Inc. 2,724,401, Cl. 137—403.
- Page, Mable T. 2,710,968, Cl. 2—105.
- Page Oil Tools, Inc. : *See*—  
 Page, John S. 2,717,004.
- Page, Ralph E. : *See*—  
 Dodge, Ronald D., Page, and Norcross. 2,720,959.
- Page, Robert G., to General Electric Co. 2,707,761, Cl. 317—119.
- Page, Robert G., and R. S. Tillson, to General Electric Co. 2,724,028, Cl. 200—76.
- Page, Robert M. 2,702,899, Cl. 343—11.
- Page, Robert M., to Radar Inc. 2,721,321, Cl. 343—100.
- Page, Roscoe A., and V. G. Lavalie, to Kraft Foods Co. 2,719,793, Cl. 99—59.
- Page, Ross L. 2,699,295, Cl. 241—46.
- Page, Victor A. W., to The Plessey Co. Ltd. 2,722,888, Cl. 101—372.
- Pagendarm, Edward J. 2,702,989, Cl. 62—1.
- Pagendarm, Richard V. : *See*—  
 Baker, Thomas R., and Pagendarm. 2,718,992.
- Paget, Win W., to Joy Mfg. Co. 2,707,598, Cl. 242—90.
- Paget, Win W., to Joy Mfg. Co. 2,715,316, Cl. 62—2.
- Pagni, Alessandro, to Vittorio Necchi S. p. A. 2,704,986, Cl. 112—210.
- Pagni, Alessandro, to Vittorio Necchi S. p. A. 2,711,145, Cl. 112—210.
- Pagni, Alessandro, to Vittorio Necchi Societa per Azioni. 2,726,053, Cl. 242—150.
- Pahl, Leo F. : *See*—  
 Day, Carl L., and Pahl. 2,701,676.  
 Day, Carl L., and Pahl. 2,711,279.  
 Day, Carl L., and Pahl. 2,724,535.
- Pahl, Leo F., and R. C. Albrecht, to Crown Cork & Seal Co., Inc. 2,724,581, Cl. 259—18.
- Paige, Richard E. 2,704,910, Cl. 46—157.
- Paige, Richard E. 2,713,984, Cl. 248—174.
- Paige, Richard E. 2,715,509, Cl. 248—174.
- Paige, Richard E. 2,723,026, Cl. 206—45.12.
- Paige, Richard E., to General Electric Co. 2,727,619, Cl. 206—44.
- Paige, Richard E. 2,728,461, Cl. 211—137.
- Paillard, Gaston, to Paillard S. A. 2,723,430, Cl. 24—73.
- Paillard S. A. : *See*—  
 Bacher, Eric. 2,715,027.  
 Cereghetti, Giovanni. 2,717,687.  
 Favre, Jules. 2,700,440.  
 Favre, Jules. 2,702,491.  
 Favre, Jules. 2,711,117.  
 Heiniger, Wilfred. 2,717,055.  
 Paillard, Gaston. 2,723,430.  
 Thevenaz, Jean. 2,719,000.
- Pailthorp, John R. : *See*—  
 Willett, Albert V., Jr., and Pailthorp. 2,716,646.
- Paine, Hedley R., to N. V. Appleton Pty. Ltd. 2,699,057, Cl. 68—23.
- Paine, Joseph L., to General Electric Co. 2,724,310, Cl. 95—13.
- Paine, Louis A., to Duncan Electric Mfg. Co. 2,701,411, Cl. 29—155.5.
- Painter, Earle V., and L. D. Frisoli, to Fabric Research Laboratories, Inc. 2,702,764, Cl. 117—76.
- Painter, Edwin S., to Eastman Kodak Co. 2,703,309, Cl. 202—57.
- Paione, Angelo. 2,719,374, Cl. 41—10.
- Paish, Harold P. S., to Henry Sykes Ltd. 2,717,040, Cl. 166—157.
- Paist, Walter D. : *See*—  
 Horback, William B., and Paist. 2,715,584.
- Pajak, Theodore P., to The Glenn L. Martin Co. 2,704,587, Cl. 189—34.
- Pajak, Theodore P., to The Glenn L. Martin Co. 2,720,948, Cl. 189—34.
- Pajak, Theodore P., to The Glenn L. Martin Co. 2,720,949, Cl. 189—34.
- Pakkala, Matti H. : *See*—  
 Hamilton, Jack L., Pakkala, and Smith. 2,704,883.
- Pakkala, Matti H., and J. L. Scarry, to United States Steel Corp. 2,708,379, Cl. 80—60.
- Pakko Laboratories, Inc. : *See*—  
 Young, Julius, and Colman. 2,724,959.  
 Young, Julius, and Colman. 2,728,670.  
 Young, Julius, and Colman. 2,728,671.
- Pako Corp. : *See*—  
 Maddock, Ralph B. 2,712,931.
- Paladino, Salvatore, 50% to F. E. Paternò. 2,703,304, Cl. 195—107.
- Palchik, Edward H. : *See*—  
 Schauble, Otto C., Mekler, Palchik, and Bogart. 2,718,216.
- Palczewski, Edward J. 2,713,821, Cl. 101—126.
- Paley, Lewis A. 2,708,560, Cl. 248—204.
- Palfreyman, Raymond D. : *See*—  
 Troeger, Henry, and Palfreyman. 2,699,343.
- Palik, Donald R., 2% to R. M. Keer. 2,720,125, Cl. 77—7.
- Palivos, George N. 2,717,614, Cl. 138—37.
- Palivos, George N. 2,717,772, Cl. 261—76.
- Palka, Joseph F. 2,719,696, Cl. 254—146.
- Palka, Joseph F. 2,719,697, Cl. 254—146.
- Palkowitch, Joseph J. : *See*—  
 Roth, William A. 2,728,430.
- Pall, Francis A., assor. of 50% to I. M. Pall. 2,716,430, Cl. 144—218.
- Pall, Isabelle M. : *See*—  
 Pall, Francis A. 2,716,430.
- Palladino, Steve V. : *See*—  
 Carpenter, Ralph H., and Palladino. 2,717,376.
- Palladino, Steve V., Jr. 2,706,754, Cl. 200—84.
- Pallet Devices, Inc. : *See*—  
 Budd, Larry J., Heidenreich, Lane, and Haffenberg. 2,725,171.
- Palling, Stanley J. : *See*—  
 Edwards, Harry D., Doyle, and Palling. 2,721,799.



- Pallotta, Arthur J., D. F. Bogdanski, and R. O. Thomas, to Basic Research Corp. 2,715,795, Cl. 47—58.
- Palluel, Pierre, and M. Denis, to Compagnie Generale de Telegraphie Sans Fil. 2,719,954, Cl. 332—7.
- Palm, Cecelia B. 2,701,364, Cl. 2—114.
- Palm, James W., to Borg-Warner Corp. 2,718,293, Cl. 192—93.
- Palm, James W., to Borg-Warner Corp. 2,721,638, Cl. 192—47.
- Palma, Joseph, Jr., and J. G. Knapp, to American-Marietta Co. 2,712,143, Cl. 15—119.
- Palmer, Axel F.: *See—*  
Mason, Dick H., and Palmer. 2,708,534.
- Palmer-Bee Co.: *See—*  
Bee, William C. 2,726,753.
- Palmer, Charles M. 2,712,317, Cl. 132—32.
- Palmer, Charles S., Jr., to Arcadia Metal Products. 2,701,156, Cl. 292—113.
- Palmer, Frank D., to Package Machinery Co. 2,718,301, Cl. 206—65.
- Palmer, Frederick B., D. A. Brown, L. L. Pond, and W. R. Hinz, to Bohn Aluminum & Brass Corp. 2,711,568, Cl. 22—93.
- Palmer, George H., and C. Alexander, to The M. W. Kellogg Co. 2,713,590, Cl. 260—449.6.
- Palmer, John A., to The Emerson Electric Mfg. Co. 2,709,394, Cl. 89—37.5.
- Palmer, John E. 2,699,716, Cl. 97—228.
- Palmer, John E. 2,712,737, Cl. 62—129.
- Palmer, John F., Jr., to Monsanto Chemical Co. 2,721,843, Cl. 252—33.
- Palmer, John V.: *See—*  
Ohnstad, Elmer C. 2,708,891.
- Palmer Mfg. Corp.: *See—*  
Palmer, Oscar C. 2,710,717.
- Palmer, Max, to Hobby & Brown Electronic Corp. 2,716,706, Cl. 307—66.
- Palmer, Millan M.: *See—*  
Mason, Dick H., and Palmer. 2,708,534.
- Palmer, Oscar C., to Palmer Mfg. Corp. 2,710,717, Cl. 230—259.
- Palmer Plastics, Inc.: *See—*  
Vincent, Valentine C. 2,707,579.  
Wildstein, Stephen N. 2,710,490.
- Palmer, Richard C., to Allen B. Du Mont Laboratories, Inc. 2,701,851, Cl. 315—27.
- Palmer, Richard M. 2,727,474, Cl. 107—8.
- Palmer, William E., to Swift & Co. 2,701,077, Cl. 221—75.
- Palmer, Winslow, to The Sperry Corp. 2,705,320, Cl. 343—9.
- Palmer, Winslow, to Sperry Rand Corp. 2,728,909, Cl. 343—105.
- Palmgren, Allan O. G., and L. G. Wästberg, to Aktiebolaget Bostadsforskning. 2,712,586, Cl. 219—10.71.
- Palmgren, Nils A., to SKF Industries, Inc. 2,705,176, Cl. 308—217.
- Palmgren, Nils A., and V. Synek, to SKF Industries, Inc. 2,703,738, Cl. 308—180.
- Palmour, Hayne, and P. C. Gaertner, Jr. 2,723,877, Cl. 294—116.
- Palmquist, Philip V., and J. D. Grove, to Minnesota Mining & Mfg. Co. 2,726,222, Cl. 260—25.
- Palmqvist, Fredrik T., to Aktiebolaget Separator. 2,727,915, Cl. 260—418.
- Palo, Maurice, and P. V. Kelly, to The Astatic Corp. 2,702,317, Cl. 179—100.41.
- Pals, Henry, Jr. 2,728,560, Cl. 256—48.
- Paltiel, Ephraim, and M. Gaumont. 2,723,414, Cl. 15—258.
- Palty, George: *See—*  
Gallup, John L., and Palty. 2,723,205.
- Paluska, Mathias. 2,726,504, Cl. 56—400.05.
- Pan, Wen Y., to Radio Corp. of America. 2,702,373, Cl. 333—73.
- Pan, Wen Y., to Radio Corporation of America. 2,717,313, Cl. 250—36.
- Pan, Wen Yuan, to Radio Corp. of America. 2,728,853, Cl. 250—20.
- Pan, Wen Yuan, and D. J. Carlson, to Radio Corp. of America. 2,714,192, Cl. 333—73.
- Panagrossi, Ahmed, and T. J. Sobol, to The Connecticut Hard Rubber Co. 2,703,775, Cl. 154—128.
- Panagrossi, Ahmed, and R. L. Hauser, to The Connecticut Hard Rubber Co. 2,705,691, Cl. 154—48.
- Pan American Refining Corp.: *See—*  
Gordon, Leon B., and Kelly. 2,713,571.  
Teykl, Irvin F., and Patterson. 2,698,831.  
Wadsworth, Francis T. 2,709,695.  
Wadsworth, Francis T. 2,712,538.
- Pancake, Evan: *See—*  
Herzog, Gerhard, Lord, and Pancake. 2,712,609.
- Pancheri, Raymond A.: *See—*  
Nelson, Harold T., and Pancheri. 2,705,690.
- Pancoast, William G. 2,709,434, Cl. 128—252.
- Pancotti, Mario. 2,700,913, Cl. 84—376.
- Panellit, Inc.: *See—*  
Anderson, Ralph A. 2,701,748.  
Marmorstone, Robert J. Re. 24,031.  
Marmorstone, Robert J. 2,701,872.  
Marmorstone, Robert J. 2,707,777.  
Marmorstone, Robert J. 2,709,250.  
Marmorstone, Robert J. 2,712,129.  
Sperry, Albert F. 2,709,249.
- Pangborn Corp.: *See—*  
Fahrney, Maxwell E. 2,719,387.  
Moore, Ralph W. 2,716,310.  
Moore, Ralph W. 2,724,929.
- Panhard, Paul, to Societe Anonyme des Anciens Etablissements Panhard & Levassor. 2,700,196, Cl. 20—56.4.
- Panik, Irene M.: *See—*  
Beacham, Harry H., and Panik. 2,728,691.
- Panish, Erwin J. 2,716,474, Cl. 192—096.
- Pankove, Jacques I.: *See—*  
Pantchechnikoff, Jacques I. 2,703,917.
- Pankratz, Howard J., to Phillips Petroleum Co. 2,718,143, Cl. 73—152.
- Pankratz, Howard J., to Phillips Petroleum Co. 2,718,339, Cl. 222—479.
- Pannone, Laura J., and J. B. Rust, 1/2 to Montclair Research Corp. and 1/2 to Ellis-Foster Corp. 2,713,581, Cl. 260—308.
- Panoramic Laboratories: *See—*  
Hurvitz, Hyman. 2,700,157.  
Wallace, Marcel. 2,700,101.  
Wallace, Marcel. 2,704,806.  
Wallace, Marcel. 2,704,807.  
Wallace, Marcel. 2,704,808.  
Wallace, Marcel. 2,724,831.
- Pansing, William F., and A. W. Ries, to Standard Oil Co. 2,717,694, Cl. 209—138.
- Panske, Sylvester A. 2,720,395, Cl. 272—30.
- Pantages, Steven. 2,712,584, Cl. 201—56.
- Pantazis, Emmanuel N.: *See—*  
Batlas, George X., and Pantazis. 2,717,403.  
Batlas, George X., Pantazis, and Baranski. 2,712,654.
- Pantchechnikoff, Jacques I., now by change of name Jacques I. Pankove, to Radio Corp. of America. 2,703,917, Cl. 29—25.3.
- Pantex Mfg. Corp.: *See—*  
Lornitzo, Frank C. 2,721,406.
- Panuline, George: *See—*  
Bell, Leo R., Panuline, and Strauss. 2,724,426.
- Panzer, William C. 2,719,413, Cl. 65—55.
- Paoletta, Philip, to Plasticrete Corp. 2,728,334, Cl. 126—25.
- Paoloni, Carlo, to Rumianca S. p. A. 2,708,156, Cl. 23—277.
- Papa, Domenick: *See—*  
Sperber, Nathan, and Papa. 2,727,895.
- Papa, Domenick, to Schering Corp. 2,708,678, Cl. 620—518.
- Papadakos, Nicholas J., to Gyrodyne Co. of America, Inc. 2,704,128, Cl. 170—135.75.
- Papee Machine Co.: *See—*  
Van Sickle, Kenneth J. 2,698,770.
- Paper Novelty Mfg. Co.: *See—*  
Maas, Fred L. 2,704,904.
- Paper Package Co.: *See—*  
Linson, Don A. 2,702,154.
- Paper Patents Co.: *See—*  
Dinius, James H. 2,725,796.  
Voigtman, Edward H. 2,725,640.
- Papesh, Louis F. 2,725,589, Cl. 16—129.
- Papierfabrik Scheufelen: *See—*  
Breuning, Ernst W., Karpinski, and Mörike. 2,699,709.
- Papalski, Joseph: *See—*  
Orelind, John R., Hein, and Papalski. 2,725,187.
- Papp, Louis S., to The Motch & Merryweather Machinery Co. 2,714,935, Cl. 180—19.
- Pappas, George F., H. B. Sykes, and E. C. Holmer, to Standard Oil Development Co. 2,702,696, Cl. 261—114.
- Pappas, Michael T., and G. W. King, to General Precision Laboratory Inc. 2,722,627, Cl. 315—25.
- Pappas, Phillip M. 2,704,507, Cl. 99—408.
- Papworth, Walter A. 2,705,980, Cl. 143—63.
- Paquette, Vincent. 2,703,459, Cl. 35—35.
- Paquin-Kleineremann, Abel, to Societe Anonyme des Betons Duroc. 2,723,607, Cl. 94—13.
- Parachek, Joseph R. 2,704,963, Cl. 88—98.
- Paragon Electric Co.: *See—*  
Morrison, David. 2,700,077.
- Parajon, Rolando V. 2,714,713, Cl. 339—164.
- Paramount Paper Tube Corp.: *See—*  
Bugg, Kenly C. 2,709,400.
- Paramount Textile Machinery Co.: *See—*  
Richter, Henry, and Campbell. 2,723,176.
- Paramythioti, Jean M., to Societe Anonyme des Anciens Etablissements Albaret. 2,704,968, Cl. 94—50.
- Parcell, Robert F.: *See—*  
Fleming, Robert W., and Parcel. 2,722,529.
- Parco Products Co.: *See—*  
Parrott, Clarence F. 2,719,753.
- Pardee, William A.: *See—*  
McKinley, Joseph B., and Pardee. 2,703,789.
- Pardee, William A., and G. E. Elliott, Jr., to Gulf Research & Development Co. 2,706,168, Cl. 196—52.
- Pardeman, Henry H. 2,702,033, Cl. 128—201.
- Pardey, William A. 2,710,835, Cl. 204—320.
- Paredes, Rene C. 2,708,614, Cl. 311—55.
- Parent, Adelard J. 2,719,552, Cl. 143—131.
- Parent, Edmond H. A. 2,701,747, Cl. 312—341.
- Parent, Maurice G., and L. P. Voisin; said Voisin assor. to said Parent. 2,724,301, Cl. 81—145.
- Parham, Charles L., Jr. 2,717,114, Cl. 229—14.
- Parini, Giuseppe: *See—*  
Koschatzky, Bruno, and Parini. 2,712,394.
- Paris, Francois G.: *See—*  
Kadosch, Marcel, Paris, Bertin, and Marchal. 2,702,986.
- Paris, Robert E., to International Business Machines Corp. 2,726,601, Cl. 101—93.
- Parish, Clifford A., Sr. 2,711,367, Cl. 71—2.2.



- Parish, Preston S., J. M. Marchyn, and W. J. Pentesco, to America Flange & Mfg. Co., Inc. 2,718,979, Cl. 220—39.
- Parish, Willard E., to Crouse-Hinds Co. 2,705,266, Cl. 200—50.
- Parish, Willard E., to Crouse-Hinds Co. 2,716,740, Cl. 339—89.
- Parish, Willard E., to Crouse-Hinds Co. 2,716,743, Cl. 339—147.
- Parisot, Jean: *See*—  
Clause, Jean, Parisot, Roos, Hilliard, and Jaray. 2,721,730.
- Park, Emmett E. 2,708,972, Cl. 164—123.5.
- Park, Harold F., to Monsanto Chemical Co. 2,700,055, Cl. 260—556.
- Park, Harold F., to Monsanto Chemical Co. 2,709,707, Cl. 260—556.
- Park, Harold F., to Monsanto Chemical Co. 2,713,042, Cl. 260—78.5.
- Park, Harold F., to Monsanto Chemical Co. 2,715,142, Cl. 260—556.
- Park, Harold F., to Monsanto Chemical Co. 2,727,057, Cl. 260—456.
- Park, Harold F., to Monsanto Chemical Co. 2,727,877, Cl. 260—45.2.
- Park, Harold F., and R. I. Longley, Jr., to Monsanto Chemical Co. 2,710,882, Cl. 260—556.
- Park, Harold F., and C. K. Bump, to Monsanto Chemical Co. 2,726,204, Cl. 204—72.
- Park, Harry: *See*—  
Hager, Archie L., and Park.
- Park, John H., to the United States of America as represented by the Secretary of Commerce. 2,700,743, Cl. 315—30.
- Park, Joseph D., J. R. Lacher, and H. J. Gerjovich, to Arapahoe Chemicals, Inc. 2,713,595, Cl. 260—561.
- Park, Joseph D., J. R. Lacher, and H. J. Gerjovich, to Arapahoe Chemicals, Inc. 2,713,596, Cl. 260—561.
- Park, Malcolm S.: *See*—  
Johnson, Ralph E., and Park. 2,718,202.
- Park, Tracy S., Jr.: *See*—  
Park, Tracy S., Sr. 2,704,668.
- Park, Tracy S., Sr., to T. S. Park, Jr. 2,704,668, Cl. 273—81.
- Parke, Davis & Co.: *See*—  
Bambas, Louis L. 2,721,207.  
Black, Martin L. 2,721,212.  
Fleming, Robert W., and Parcell. 2,722,529.  
Gailliot, Paul, and Baget. 2,707,188.  
Heywood, Basil J. 2,718,521.  
Heywood, Basil J. 2,718,527.  
Jacob, Robert M. 2,702,804.  
Jacob, Robert M. 2,727,042.  
Jacob, Robert M. 2,727,070.  
Jacob, Robert M., Gailliot, and Robert. 2,727,071.  
Jacob, Robert M., and Robert. 2,727,063.  
Jacob, Robert M., and Robert. 2,727,072.  
Kay, William W. 2,702,693.  
Long, Loren M., and Scholl. 2,698,850.  
Long, Loren M., and Scholl. 2,698,851.  
Moersch, George W. 2,699,451.  
Rebstock, Mildred C., and Pfeiffer. 2,717,268.  
Slack, Ronald. 2,718,520.  
Snell, Esmond E., Wittle, and Moore. 2,722,551.  
Troutman, Harvey D. 2,721,214.
- Parke, Norman, Co.: *See*—  
Curry, William G. 2,712,879.
- Parker Appliance Co., The: *See*—  
Amon, Frederick E., Jr. 2,703,138.  
Badger, Everett H., Jr. 2,712,828.  
Badger, Everett H., Jr., Dahl, and Overbeke. 2,716,999.  
Bashark, Nicholas. 2,698,631.  
Bashark, Nicholas. 2,701,117.  
Bizak, Louis D. 2,719,561.  
Davies, Robert H. 2,728,674.  
Margrave, Wilton. 2,718,240.  
Margrave, Wilton, and Bizak. 2,698,632.  
Overbeke, John W., and Badger. 2,703,096.
- Parker, Bernard S.: *See*—  
O'Boyle, Kenneth M. 2,726,021.
- Parker, Brooks O'C. 2,709,975, Cl. 108—23.
- Parker, Bruce L.: *See*—  
O'Bannon, John B. 2,720,662.
- Parker, Carol, and J. P. Whann: said Whann assor. to said Parker. 2,723,779, Cl. 222—104.
- Parker, Charles A., to Burroughs Corp. 2,701,094, Cl. 235—60.
- Parker, Charles A., to Burroughs Corp. 2,701,685, Cl. 235—60.2.
- Parker, Charles A., and C. K. Rainey, to Burroughs Corp. 2,699,893, Cl. 235—60.5.
- Parker, Charles A., and C. K. Rainey, to Burroughs Corp. 2,702,622, Cl. 197—128.
- Parker, David S. 2,723,107, Cl. 256—24.
- Parker, Dean A. 2,706,059, Cl. 214—506.
- Parker, Dean A. 2,707,062, Cl. 214—506.
- Parker, Edwin D., and E. E. Stelzer, to Parker Sweeper Co. 2,700,783, Cl. 15—79.
- Parker, Edwin D., and E. E. Stelzer, to Parker Sweeper Co. 2,723,494, Cl. 47—9.
- Parker, Edwin D., and J. D. Guthrie, to the United States of America as represented by the Secretary of Agriculture. 2,727,805, Cl. 8—120.
- Parker, Elmer J., ½ to W. T. Sevald. 2,721,574, Cl. 137—122.
- Parker, Emery: *See*—  
Mack, Gerry P., and Parker. 2,700,675.  
Mack, Gerry P., and Parker. 2,727,875.  
Mack, Gerry P., and Parker. 2,727,917.
- Parker, Frank A., Jr., to Research Corp. 2,702,949, Cl. 34—57.
- Parker, Frank M., Sr. 2,711,064, Cl. 56—25.4.
- Parker, George D. 2,711,021, Cl. 32—1.
- Parker, George J., to The Forgrove Machinery Co. Ltd. 2,717,689, Cl. 198—210.
- Parker, Henry W. 2,723,584, Cl. 85—32.
- Parker, John, Julian, and R. 2,703,955, Cl. 56—44.
- Parker, Julian: *See*—  
Parker, John, Julian, and R. 2,703,955.
- Parker, Kenneth, and N. E. Tillotson. 2,711,868, Cl. 244—107.
- Parker, Konrad: *See*—  
Lux, John H., and Parker. 2,699,428.
- Parker, Leland C., to Bendix Aviation Corp. 2,716,381, Cl. 103—25.
- Parker, Leland C., to Bendix Aviation Corp. 2,717,553, Cl. 103—25.
- Parker, Leland L.: *See*—  
Pawley, Myron G., Parker, and Hereth. 2,706,287.
- Parker, Leon, and R. C. Nordberg, to H. I. Thompson Fiber Glass Co. 2,718,461, Cl. 41—42.
- Parker, Leonard V. G.: *See*—  
James, Cyril H., and Parker. 2,722,027.
- Parker Mfg. Co.: *See*—  
Jolie, Robert A. 2,703,121.
- Parker Metal Goods Co.: *See*—  
Cuccaro, Robert A. 2,727,039.
- Parker, Norman W., to Motorola, Inc. 2,713,649, Cl. 315—13.
- Parker Pen Co., The: *See*—  
McNeill, Angus. Re. 24,022.  
McNeill, Angus. 2,714,300.  
Perlin, Fred. 2,727,464.  
Rhoades, Nolan K. 2,699,147.  
Rhoades, Nolan K. 2,708,904.  
Rickmeyer, Ernst W. 2,702,021.  
Rickmeyer, Ernst W. 2,712,299.  
Wittnebert, Frederick R. 2,724,367.  
Wittnebert, Frederick R. 2,726,639.
- Parker, Phillip J., to Barrett Equipment Co. 2,703,920, Cl. 29—152.2.
- Parker Products, Inc.: *See*—  
Abramson, Vincent O. 2,726,727.
- Parker, Ray: *See*—  
Parker, John, Julian, and R. 2,703,955.
- Parker Rust-Proof Co.: *See*—  
Baxter, John E. 2,715,083.  
Hyams, Montagu, and Nicholson. 2,702,768.  
Russell, William S. 2,724,668.  
Thompson, John S. 2,702,425.
- Parker Sweeper Co.: *See*—  
Parker, Edwin D., and Stelzer. 2,700,783.  
Parker, Edwin D., and Stelzer. 2,723,494.  
Stelzer, Earl E. 2,705,644.
- Parkes, Eric B., to Joseph Lucas (Industries) Ltd. 2,722,708, Cl. 15—255.
- Parkhurst, Alfred: *See*—  
Webber, George M. 2,726,664.
- Parkins, Archie D.: *See*—  
Parkins, Edgar E. 2,705,849.
- Parkins, Edgar E., 40% to A. D. Parkins. 2,705,849, Cl. 46—42.
- Parkins, William E., to the United States of America as represented by the United States Atomic Energy Commission. 2,725,479, Cl. 250—41.9.
- Parkins, William E., to the United States of America as represented by the United States Atomic Energy Commission. 2,727,151, Cl. 250—41.9.
- Parkinson, Edward, Mfg. Co., Inc.: *See*—  
Haven, Hiram L. 2,708,784.
- Parkinson, John P. 2,727,520, Cl. 131—195.
- Parks, Frederick B.: *See*—  
Clampitt, Lawrence L., and Parks. 2,704,338.
- Parks, John H.: *See*—  
Zuhn, Arthur A., and Parks. 2,721,072.
- Parks, King W. 2,716,375, Cl. 97—56.
- Parks, King W. 2,726,592, Cl. 97—204.
- Parks, Leonard A. 2,711,923, Cl. 296—97.
- Parks, Waldo I., Sr. 2,724,157, Cl. 21—119.
- Parks & Woolson Machine Corp.: *See*—  
Hadley, Wilfred N. 2,698,476.  
Hadley, Wilfred N. 2,707,815.  
Hadley, Wilfred N. 2,716,797.
- Parmater, Lee W.: *See*—  
Wells, Lawrence V., Weidner, and Parmater. 2,715,711.
- Parmelee, Alfred F., to Parmelee Plastics Co. 2,706,815, Cl. 2—14.
- Parmelee Plastics Co.: *See*—  
Parmelee, Alfred F. 2,706,815.
- Parmenter, Raymond O.: *See*—  
Guttridge, Eric J., and Parmenter. 2,701,686.
- Parmerter, Stanley M., to Eastman Kodak Co. 2,710,802, Cl. 95—6.
- Parnell, Norman E., to E. I. du Pont de Nemours and Co. 2,726,955, Cl. 95—7.
- Parnes, Max J.: *See*—  
Dossie, Thomas J. 2,715,028.  
Dossie, Thomas J., and Parnes. 2,727,314.
- Parode, Lowell C., and G. O. Young, to Hughes Aircraft Co. 2,705,282, Cl. 250—27.



- Parow, Günter : *See*—  
Drubig, Horst, Eisele, Strattner, and Parow. 2,714,694.
- Parr, Bernard F., to Westinghouse Electric Corp. 2,724,322, Cl. 99—327.
- Parr, Josephus O., Jr., to O. S. Petty. 2,698,927, Cl. 340—15.
- Parre, Edwin : *See*—  
Stoner, Harry B., Parre, and McGary. 2,707,543.
- Parrelli, Benjamin F., to United Shoe Machinery Corp. 2,718,019, Cl. 12—7.8.
- Parrett, Dent : *See*—  
Kershner, Osborn A., and Parrett. 2,720,943.
- Parrett, Dent, to Lambert Brake Corp. 2,708,497, Cl. 192—98.
- Parrett, William S. 2,710,056, Cl. 158—130.
- Parrett, William S. 2,710,181, Cl. 263—33.
- Parrington, Frank J., to Alkon Products Corp. 2,722,854, Cl. 77—32.3.
- Parrish, Walter L., J. M. Autry, and T. T. Melton. 2,724,296, Cl. 81—39.
- Parrish, William, K. Lowitzsch, and E. A. Hamacher, to North American Philips Co., Inc. 2,709,752, Cl. 250—52.
- Parrott, Clarence F., to Parco Products Co. 2,719,753, Cl. 299—96.
- Parrott, Dewey R. 2,707,833, Cl. 33—126.4.
- Parrott, Robert D. : *See*—  
Wise, Raleigh J., Ridings, and Parrott. 2,718,547.
- Parry, Frank, to The Singer Mfg. Co. 2,716,956, Cl. 112—230.
- Parry, Frank, to The Singer Mfg. Co. 2,718,862, Cl. 112—260.
- Parry, Frank, to The Singer Mfg. Co. 2,725,839, Cl. 112—176.
- Parry, Oscar L. 2,709,591, Cl. 273—43.
- Parry, Peter W., and J. G. Monteith. 2,710,588, Cl. 118—24.
- Parsegian, Vozcan L., and R. C. Maninger, to the United States of America as represented by the United States Atomic Energy Commission. 2,717,964, Cl. 250—83.3.
- Parslow, Thomas W., to Angeles Metal Trim Co. 2,725,608, Cl. 20—74.
- Parsons, Charles H., and M. Ludwig, to The R-W Mfg. Co. 2,707,095, Cl. 257—241.
- Parsons, Charles W. S. 2,703,643, Cl. 198—137.
- Parsons, David S. 2,701,882, Cl. 5—91.
- Parsons, Earl F. 2,711,263, Cl. 216—4.
- Parsons, Floyd B. : *See*—  
Grant, Harry C., Jr., and Parsons. 2,717,042.
- Parsons, John B. 2,699,650, Cl. 60—52.
- Parsons, John B. 2,707,127, Cl. 296—44.
- Parsons, John R., to Westinghouse Electric Corp. 2,701,843, Cl. 307—151.
- Parsons, John R., and H. W. Van Ness, to Westinghouse Electric Corp. 2,701,852, Cl. 315—201.
- Parsons, John S., to The Stanley Works. 2,705,354, Cl. 24—132.
- Parsons, Joseph R., to Chicago Fire Brick Co. 2,702,752, Cl. 106—67.
- Parsons and Marine Engineering Turbine Research and Development Assn., The : *See*—  
Yates, Henry G. 2,714,020.
- Parsons, Theophilus, to E. I. du Pont de Nemours and Co. 2,706,205, Cl. 260—567.
- Parsons, Wharton A., to Clary Corp. 2,725,818, Cl. 101—93.
- Parten Machinery Co. : *See*—  
Welsh, Ormonde P. 2,702,190.
- Welsh, Ormonde P. 2,709,081.
- Partin, Charles L., to The Superior Switchboard & Devices Co. 2,718,954, Cl. 194—84.
- Parts Engineering Co., Inc. : *See*—  
Sherman, Donald W. 2,723,066.
- Parva Products Co. : *See*—  
White, Paul W. Re. 24,071.
- Parzen, Philip : *See*—  
Arditi, Maurice, and Parzen. 2,726,332.
- Pascal, Michael W., to The Sherwin-Williams Co. 2,714,551, Cl. 23—270.
- Pascal, Otto. 2,727,242, Cl. 2—69.
- Pascalar, Herbert G., to Radio Corp. of America. 2,727,986, Cl. 250—20.
- Paschal, Arthur E. 2,717,068, Cl. 193—2.
- Paschal, Don F. 2,722,071, Cl. 40—158.
- Paschen, Paul, to Siemens-Schuckertwerke Aktiengesellschaft. 2,705,105, Cl. 235—58.
- Pascoe, Walter R. : *See*—  
Seymour, Raymond B., and Pascoe. 2,707,685.
- Pascucci, Ernest B. 2,709,883, Cl. 56—255.
- Paselk, Robert A., G. R. Huisman, and N. D. Lo Bue, to North American Aviation, Inc. 2,723,092, Cl. 244—134.
- Pasero, Joseph : *See*—  
Snelson, Howard J. 2,703,966.
- Pasfield, William H. : *See*—  
Gibb, Thomas R. P., Jr., and Pasfield. 2,712,979.
- Pashak, John F. : *See*—  
Leontis, Thomas E., and Pashak. 2,701,636.
- Pashby, Robert W., to Minneapolis-Honeywell Regulator Co. 2,708,371, Cl. 74—100.
- Pashkow, William B., to Ward LaFrance Truck Corp. 2,726,828, Cl. 242—156.
- Pasini, Harold C., to George Ratray & Co. Inc. 2,721,038, Cl. 242—9.
- Pasjack, Steve, to Unipak Cartons Ltd. 2,706,935, Cl. 93—37.
- Pasjack, Steve, to Unipack Cartons Ltd. 2,727,653, Cl. 220—105.
- Pasket, Alexander R. : *See*—  
Thomas, Gerald R., Pasket, and McElhoe. 2,703,430.
- Pasqua, Bart : *See*—  
Steckel, Elmer A., and Pasqua. 2,709,475.
- Pasquini, Vittorio, and V. Guerrini, to Vittorio Necchi S. p. A. 2,716,952, Cl. 112—2.
- Pass, Israel : *See*—  
Huck, Alfred J., and Pass. 2,725,451.
- Pass, Richard H., to Onondaga Pottery Co. 2,709,307, Cl. 34—105.
- Pass & Seymour, Inc. : *See*—  
Russell, Mark N., and Herzog. 2,701,288.
- Winter, Paul H. 2,701,287.
- Winter, Paul H. 2,727,956.
- Passino, Herbert J., to The M. W. Kellogg Co. 2,717,201, Cl. 23—190.
- Passino, Herbert J., to The M. W. Kellogg Co. 2,728,707, Cl. 167—81.
- Pasternack, Richard, and A. Bavyly, to Chas. Pfizer & Co., Inc. 2,700,058, Cl. 260—598.
- Pastor, John J. : *See*—  
Kovalchik, Everett J., and Pastor. 2,720,365.
- Pastorius, Louis E., III, and M. A. Caiaccia. 2,702,127, Cl. 211—41.
- Pastuck, Walter. 2,700,844, Cl. 43—87.
- Pastuhov, Alexis : *See*—  
Brooks, Frank P., and Pastuhov. 2,706,665.
- Pasturczak, Harry S. 2,721,390, Cl. 33—172.
- Pasturczak, Stanley F., to Deere & Co. 2,708,920, Cl. 123—119.
- Pasturczak, Stanley F., to Deere & Co. 2,728,411, Cl. 183—67.
- Pataki, John : *See*—  
Djerassi, Carl, Rosenkranz, Kaufmann, Pataki, and Romo. 2,705,237.
- Patchin, Lloyd C. : *See*—  
Hartman, Herbert G., McMullen, and Patchin. 2,706,420.
- Pate, Albert F., and H. A. Wyman, Jr., to General Electric Co.; patent dedicated to the public insofar as it relates to lamps and lamp parts. 2,701,868, Cl. 339—146.
- Pate, Charles A. 2,708,934, Cl. 129—1.
- Pate, Clyde L. 2,715,368, Cl. 103—225.
- Pate, Robert L., to The McNally-Pittsburg Mfg. Corp. 2,727,631, Cl. 210—72.
- "Patelhold" Patentverwertungs- & Elektro-Holding A.-G. : *See*—  
Bloch, Heinz. 2,720,599.
- Patent Development Co. : *See*—  
McIntyre, Brouwer D. 2,699,844.
- Patent Development Corp. : *See*—  
Macomic, Chester A. 2,708,715.
- Patent and Development, Inc. : *See*—  
Anderson, Donald B., and Wilson. 2,720,451.
- Patent and Licensing Corp., The : *See*—  
Cubberly, Richard H., and Drukker. 2,728,734.
- Hollmann, Julius Z. 2,711,970.
- Jobbins, Howell S., and Schwarz. 2,716,619.
- Jobbins, Howell S., and Teller. 2,724,659.
- Nute, Jay H., and Thomas. 2,713,454.
- Patent Management, Inc. : *See*—  
Allison, Ralph E. 2,719,276.
- Allison, Ralph E. 2,719,897.
- Patent Scaffolding Co., Inc., The : *See*—  
Borgman, Arthur C., and Sheard. 2,726,902.
- Meng, Victor W., and Borgman. 2,720,430.
- Nordone, Nicholas. 2,716,576.
- Patent-Treuhand-Gesellschaft für Elektrische Glühlampen m. b. H. : *See*—  
Kressin, Georg. 2,719,128.
- Kressin, Georg. 2,727,864.
- Paterson, Laurene O. 2,721,861, Cl. 260—113.
- Paterson, Lila M. 2,707,282, Cl. 2—114.
- Patla, Louis J. 2,721,911, Cl. 200—11.
- Patmore, Henry T. 2,706,086, Cl. 237—46.
- Paton-Chandler Process Co. : *See*—  
Paton, James B. 2,703,067.
- Paton, James B., to Paton-Chandler Process Co. 2,708,067, Cl. 229—62.5.
- Patrick, John J. : *See*—  
Chambers, Albert M., Jr., and Patrick. 2,717,790.
- Patrick, Malcom W., to Perfection Industries, Inc. 2,721,546, Cl. 126—93.
- Patrick, Malcom W., to Perfection Industries, Inc. 2,721,704, Cl. 236—10.
- Patrick, Malcom W., to Perfection Industries, Inc. 2,721,705, Cl. 236—45.
- Patrick, Tracy M., Jr. : *See*—  
Gluesenkamp, Earl W., and Patrick. 2,704,759.
- Gluesenkamp, Earl W., and Patrick. 2,710,873.
- Patrick, Tracy M., Jr., to Monsanto Chemical Co. 2,713,535, Cl. 71—2.7.
- Patrick, Tracy M., Jr., to Monsanto Chemical Co. 2,716,660, Cl. 260—484.
- Patrick, Tracy M., Jr., to Monsanto Chemical Co. 2,720,530, Cl. 260—348.
- Patrie, Geoffrey A. 2,722,571, Cl. 179—103.
- Patt, Philip N. : *See*—  
Leotta, Samuel S., and Patt. 2,708,837.
- Pattamaly, Elavathur S. V. 2,712,598, Cl. 250—20.
- Patten, Dan H. 2,705,069, Cl. 198—33.
- Pattenden, Warren C. : *See*—  
Sproule, Lorne W., and Pattenden. 2,706,713.
- Patterson, Arleigh R. : *See*—  
McKenzie, Walter H. 2,711,880.
- Patterson, Bernard A. 2,716,606, Cl. 99—14.



- Patterson, C. J., Co.: *See*—  
Thompson, Jerome B. 2,710,112.
- Patterson, Cecil R. 2,717,168, Cl. 292—70.
- Patterson, Clifford R.: *See*—  
De Bourguignon, Francois E., and Patterson. 2,725,891.
- Patterson, Edward B., and R. J. Dalton, to Arthur H. Thomas Co. 2,714,834, Cl. 88—14.
- Patterson, Edgar W. 2,709,630, Cl. 309—44.
- Patterson, Frederick L. 2,727,569, Cl. 164—15.
- Patterson, Herman W. 2,699,585, Cl. 24—16.
- Patterson, James S.: *See*—  
Teykl, Irvin F., and Patterson. 2,698,831.
- Patterson, Joseph C., Jr. 2,700,531, Cl. 254—187.
- Patterson, Joseph M., to Food Machinery and Chemical Corp. 2,710,229, Cl. 299—140.
- Patterson, Lawrence A.: *See*—  
Krueger, Paul A., Patterson, Turner and Rands. 2,723,992.
- Patterson, Le Roy R., Jr., to General Electric Co. 2,704,698, Cl. 312—214.
- Patterson, Morehead, A. C. Wall, and G. G. Thiem, to American Machine & Foundry Co. 2,726,086, Cl. 273—43.
- Patterson, Omar L., to Sun Oil Co. 2,727,682, Cl. 235—61.
- Patterson, Omar L., to Sun Oil Co. 2,728,037, Cl. 318—28.
- Patterson, Paul H. 2,708,530, Cl. 220—52.
- Patterson, Ray A.: *See*—  
Patterson, Robert L. 2,718,672.
- Patterson, Robert L., to R. A. Patterson. 2,718,672, Cl. 20—111.
- Patterson, Wallace M., to Sellers Injector Corp. 2,715,909, Cl. 137—248.
- Patterson, William J., and J. Weissenstein, to Swift & Co. 2,712,671, Cl. 17—45.
- Pattison, Charles A. 2,700,915, Cl. 86—39.
- Pattison, William J., to The Garrett Corp. 2,720,313, Cl. 210—152.
- Patton, Charles C. 2,725,937, Cl. 164—42.
- Patton, Edward A., and F. F. Beil, to Curtis Companies Inc. 2,719,328, Cl. 18—47.5.
- Patton, John T., to Wyandotte Chemicals Corp. 2,716,137, Cl. 260—615.
- Patton-MacGuyer Co.: *See*—  
Billsborough, Roy K. 2,713,154.
- Lowell, Howard C. 2,726,394.
- Patton, Warren L.: *See*—  
Allison, Donald K. 2,704,274.
- Pattyn, Pierre P. 2,720,399, Cl. 273—134.
- Patz, Paul, and E. A. Graetz. 2,701,652, Cl. 214—17.
- Patz, Paul, and E. A. Graetz. 2,712,760, Cl. 74—249.
- Patzner, William, to C. E. Threedy, trustee. 2,708,499, Cl. 194—103.
- Pauen, Werner: *See*—  
Kern, Rudolf, and Pauen. 2,705,348.
- Paul, Austin J.: *See*—  
Hewitt, Lowell C., and Paul. 2,704,419.
- Paul, Charles K. 2,704,192, Cl. 244—26.
- Paul, Emil H. 2,706,088, Cl. 241—186.
- Paul, Percy S., and F. D. Clayton, Jr. 2,728,172, Cl. 51—97.
- Paul, Raymond E., and N. M. Joseph, to Societe des Usines Chimiques Rhone-Poulenc. 2,726,926, Cl. 23—14.
- Paulas, John C., to General Photo Mfg. Co., Inc. 2,702,145, Cl. 221—43.
- Pauley, Frank. 2,700,944, Cl. 109—11.
- Paulius, John A., Jr.: *See*—  
Hansen, George E., and Paulius. 2,699,179.
- Pauli, Peter L., to Texaco Development Corp. 2,706,147, Cl. 23—193.
- Paulovich, Morris: *See*—  
Donsky, Abraham, Naubereit, and Paulovich. 2,714,818.
- Pauls, Ingolf F. F. E.: *See*—  
Langhein, Walter H. D. 2,716,953.
- Pauls, Theron F., to Olin Mathieson Chemical Corp. 2,722,155, Cl. 86—1.
- Paulsen, Hans C., to B. B. Chemical Co. 2,700,260, Cl. 53—143.
- Paulsen, Hans C., to B. B. Chemical Co. 2,726,629, Cl. 118—202.
- Paulsen, Hans C., to United Shoe Machinery Corp. 2,712,659, Cl. 12—1.
- Paulsen, Harold A. 2,716,782, Cl. 20—1.
- Paulsen, Henry C., to Esso Research and Engineering Co. 2,716,136, Cl. 260—584.
- Paulsen, Henry C., J. B. Holtzclaw, and T. P. McNamara, to Standard Oil Development Co. 2,701,750, Cl. 23—2.3.
- Paulsen, Neal I.: *See*—  
Fischer, Paul E., and Paulsen. 2,726,497.
- Paulsen, Paul L.: *See*—  
Robinson, John H., and Paulsen. 2,707,837.
- Robinson, John H., and Paulsen. 2,728,481.
- Paulsen, Robert C.: *See*—  
Dickinson, Arthur H., and Paulsen. 2,717,994.
- Paulsen, William P.: *See*—  
Guise, Arthur B., and Paulsen. 2,708,605.
- Paulsen, William P., and C. Ekke. 2,725,243, Cl. 280—478.
- Paulsohn, Lester H., to Sawyer's Inc. 2,713,015, Cl. 154—118.
- Paulson, Albert T.: *See*—  
Flannery, Lee I., and Paulson. 2,715,887.
- Paulson, Charles J. 2,709,411, Cl. 105—221.
- Paulson, John T. 2,706,921, Cl. 81—45.
- Paulson, Raymond B. 2,702,893, Cl. 339—119.
- Paulson, Russell E.: *See*—  
Simmons, Richard G., and Paulson. 2,712,841.
- Paulstich, William H., to Servo Corp. of America. 2,713,318, Cl. 116—124.4.
- Paulus, Romeo. 2,710,429, Cl. 19—145.
- Pavenick, Stanford. 2,701,836, Cl. 219—32.
- Pavlecka, Vladimir H., and F. Dallenbach. 2,712,895, Cl. 230—124.
- Pavlik, Frank, Jr. and R. D. 2,712,762, Cl. 74—541.
- Pavlik, Roy D.: *See*—  
Pavlik, Frank, Jr., and R. D. 2,712,762.
- Pavlinetz, George. 2,702,895, Cl. 339—253.
- Pavlinetz, George. 2,708,266, Cl. 339—176.
- Pavlinetz, George. 2,715,714, Cl. 339—213.
- Pawley, Myron G., to the United States of America as represented by the Secretary of the Navy. 2,722,602, Cl. 250—27.
- Pawley, Myron G., L. L. Parker, and W. A. Hereth, to the United States of America as represented by the Secretary of the Navy. 2,706,287, Cl. 340—182.
- Pawlyk, Peter, to The Commonwealth Engineering Co. of Ohio. 2,700,365, Cl. 118—48.
- Pawlyk, Peter, to The Commonwealth Engineering Co. of Ohio. 2,701,901, Cl. 22—57.4.
- Pawlyk, Peter, to The Commonwealth Engineering Co. of Ohio. 2,704,727, Cl. 117—50.
- Pawlyk, Peter, to The Commonwealth Engineering Co. of Ohio. 2,704,728, Cl. 117—50.
- Pawsat, Ewald F. 2,723,133, Cl. 280—293.
- Pawsat, Ewald F. and R. L. 2,712,947, Cl. 280—293.
- Pawsat, Ruben L.: *See*—  
Pawsat, Ewald F. and R. L. 2,712,947.
- Pawson, Mary E. 2,712,745, Cl. 66—201.
- Paxton, Allen D.: *See*—  
Paxton, Floyd G. and A. D. 2,705,100.
- Paxton, Charles E., to Esso Research and Engineering Co. 2,716,611, Cl. 106—14.
- Paxton, Floyd G. and A. D., to Paxton Machines, Inc. 2,705,100, Cl. 226—56.
- Paxton, Gerald C., to General Nailing Machine Corp. 2,712,894, Cl. 229—44.
- Paxton, Gerald C., to General Nailing Machine Corp. 2,724,833, Cl. 1—10.
- Paxton, Kenneth, to Paxton Machines, Inc. 2,707,067, Cl. 221—293.
- Paxton Machines, Inc.: *See*—  
Paxton, Floyd G. and A. D. 2,705,100.
- Paxton, Kenneth. 2,707,067.
- Paxton Mitchell Co.: *See*—  
Schroeder, John A., and Glasmann. 2,712,320.
- Paxton, Walter J.: *See*—  
Barklow, Ermah E. 2,704,374.
- Payamps, Augustin P. 2,699,603, Cl. 30—60.5.
- Payne, Charles W. 2,718,093, Cl. 46—86.
- Payne, Edwin M., and H. M. Harrison, to Electric & Musical Industries Ltd. 2,698,882, Cl. 179—100.2.
- Payne, Edwin M., and H. M. Harrison, to Electric & Musical Industries Ltd. 2,701,141, Cl. 274—9.
- Payne, Estill. 2,725,874, Cl. 126—121.
- Payne, Fred A., Jr., to North American Aviation, Inc. 2,720,368, Cl. 244—83.
- Payne, Jack Q.: *See*—  
Barusch, Maurice R., Payne, and Neu. 2,706,740.
- Payne, John W.: *See*—  
Evans, Louis P., Payne, and Penick. 2,701,786.
- Payne, Nelson M., to Tuttle & Bailey, Inc. 2,713,350, Cl. 137—614.15.
- Payne, Richard M., to American Colortype Co. 2,708,863, Cl. 93—93.
- Payne, Richard M., to American Colortype Co. 2,725,100, Cl. 164—19.
- Payne, Ronald J. M., and A. W. O. Webb, to J. Stone & Co. (Charlton) Ltd. 2,715,577, Cl. 75—162.
- Payne, Walter B., to The Todd Co., Inc. 2,723,621, Cl. 101—377.
- Paynter, Albert J. 2,703,174, Cl. 209—138.
- Paynton, Harold G., Sr. 2,723,506, Cl. 51—141.
- Payson, Peter, to Crucible Steel Co. of America. 2,704,250, Cl. 75—171.
- Payson, Peter, to Crucible Steel Co. of America. 2,706,696, Cl. 148—31.
- Payson, Peter, and W. G. Johnson, to Crucible Steel Co. of America. 2,715,576, Cl. 75—124.
- Payton, John H. 2,703,133, Cl. 154—42.
- Pazul, Terri M.,  $\frac{1}{2}$  to R. M. Mach. 2,725,060, Cl. 132—9.
- Peabody, John A., Sr. 2,721,418, Cl. 46—67.
- Peabody, Louis C.,  $\frac{1}{2}$  to I. A. Osmundson, and  $\frac{1}{2}$  to R. Green. 2,723,749, Cl. 209—106.
- Peabody, Ralph C.: *See*—  
Luksch, Andreas, and Peabody. 2,701,377.
- Peach, Francis G.: *See*—  
Bate, Stanley C., Peach, and Rogerson. 2,703,279.
- Peacock, James C.: *See*—  
Hasko, John, and Peacock. 2,711,352.
- Peak, Fred C. 2,713,501, Cl. 280—494.
- Peak, Harold S. 2,714,777, Cl. 43—17.2.
- Peake, Charles R. 2,702,905, Cl. 2—153.
- Peake, Charles R. 2,714,719, Cl. 2—153.
- Peakes, Ralph W.: *See*—  
Averill, Harold P., Peakes, Whitney, and Scruton. 2,719,794.
- Pealler, Theodore, to International Business Machines Corp. 2,717,642, Cl. 164—84.5.
- Pearce, Amy. 2,716,251, Cl. 15—136.
- Pearce Development Co.: *See*—  
Pearce, Lewis C. 2,708,760.



- Pearce, George C., to General Motors Corp. 2,705,947, Cl. 126—1.  
 Pearce, George C., to General Motors Corp. 2,707,225, Cl. 219—35.  
 Pearce, George C., to General Motors Corp. 2,708,709, Cl. 219—35.  
 Pearce, Heyward J.: *See*—  
   Brixner, Frederick W., and Pearce. 2,700,728.  
 Pearce, Howard R. 2,727,655, Cl. 221—259.  
 Pearce, James G.: *See*—  
   Davison, Alan, and Pearce. 2,706,751.  
 Pearce, Lewis C., to Pearce Development Co. 2,708,760, Cl. 11—1.  
 Pearce, Thomas H., to National-Standard Co. 2,717,485, Cl. 57—58.32.  
 Pearce, Thomas J. P., to Imperial Chemical Industries Ltd. 2,716,055, Cl. 48—206.  
 Pearl, Daniel M.: *See*—  
   Kaleba, Joseph J., and Pearl. 2,707,214.  
 Pearl, Daniel M., to Darwin Products, Inc. 2,705,268, Cl. 200—61.88.  
 Pearl, Daniel M., to Darwin Products, Inc. 2,710,317, Cl. 200—61.33.  
 Pearl, David R., to United Aircraft Corp. 2,703,148, Cl. 170—160.32.  
 Pearl, Irwin A., to Sulphite Products Corp. 2,724,727, Cl. 260—613.  
 Pearlman, Alan R., to Tracerlab, Inc. 2,716,162, Cl. 179—171.  
 Pearlman, Baldrige, Lyons and Browning: *See*—  
   De Guevara, Moises L. 2,701,781.  
 Pearlman, Malkan A.: *See*—  
   Dubroff, Warren, and Pearlman. 2,715,197.  
 Pearlman, Marshall B., to The Dow Chemical Co. 2,727,924, Cl. 260—620.  
 Pearlson, Raymond. 2,715,736, Cl. 4—177.  
 Pearlson, Wilbur H.: *See*—  
   Brice, Thomas J., Pearlson, and Scholberg. 2,713,593.  
   La Zerte, James D., Pearlson, and Kauck. 2,704,776.  
 Pearman, Leo A. 2,724,374, Cl. 123—90.  
 Pearne & Lacy Machine Co.: *See*—  
   Lacy, Roy, McClintock, and Rossier. 2,706,319.  
 Pearsall, Howard W., to General Motors Corp. 2,704,733, Cl. 134—20.  
 Pearson, Alexander S., to John H. Dulany & Son, Inc. 2,719,030, Cl. 259—10.  
 Pearson, Arthur J., to Owens-Corning Fiberglas Corp. 2,707,690, Cl. 117—104.  
 Pearson, Arthur W. 2,721,087, Cl. 280—447.  
 Pearson, David, and J. Yarmak, to The Jeffrey Mfg. Co. 2,725,039, Cl. 121—15.  
 Pearson, Frank C., to General Motors Corp. 2,708,917, Cl. 123—90.  
 Pearson, Harry, to Rolls-Royce Ltd. 2,720,256, Cl. 158—36.4.  
 Pearson, Harry C., to Portland Iron Works. 2,714,407, Cl. 143—41.  
 Pearson, Ira J. 2,705,032, Cl. 144—134.  
 Pearson, Oke L. 2,701,933, Cl. 46—119.  
 Pearson, Oscar H. 2,718,261, Cl. 164—42.  
 Pease, Arthur R., Sr. 2,709,317, Cl. 43—44.99.  
 Pease, C. F., Co., The: *See*—  
   Hollinger, Walter H. 2,714,393.  
 Pease, F. B., Co., Inc.: *See*—  
   Lindsay, John E. 2,699,807.  
   Pease, Warren S., and Lindsay. 2,703,122.  
 Pease, Henry E. 2,707,790, Cl. 11—1.  
 Pease, Warren S., and J. E. Lindsay, to F. B. Pease Co., Inc. 2,703,122, Cl. 146—40.  
 Peaster, Bertram A.: *See*—  
   Bell, John E., and Peaster. 2,709,499.  
   Blackwell, Basil D., and Peaster. 2,722,802.  
 Pechiney: *See*—  
   Cartoux, Henri G. 2,716,145.  
 Pechy, William, and V. T. Grover, to American Can Co. 2,700,465, Cl. 209—72.  
 Peck, Cecil C., to Cecil C. Peck Co. 2,703,925, Cl. 29—543.  
 Peck, Cecil C., Co.: *See*—  
   Peck, Cecil C. 2,703,925.  
 Peck, David B.: *See*—  
   Robinson, Preston, and Peck. 2,704,105.  
 Peck, David B., to Sprague Electric Co. 2,714,184, Cl. 317—245.  
 Peck, David B., to Sprague Electric Co. 2,717,946, Cl. 201—73.  
 Peck, Duane F., to International Harvester Co. 2,718,631, Cl. 340—253.  
 Peck, Duane F., and J. W. Cottone, to McGraw Electric Co. 2,711,756, Cl. 137—592.  
 Peck, Elbert D., J. V. Mertes, and G. E. Hartwell, to Pittsburgh Plate Glass Co. 2,722,705, Cl. 15—205.  
 Peck, Henry K., Jr.: *See*—  
   Gross, John N., Kops, and Peck. 2,714,727.  
 Peck, John B.: *See*—  
   Walker, Willard R., and Peck. 2,707,475.  
 Peck, Ray O., to G. H. Mulligan. 2,714,907, Cl. 145—1.  
 Peck, Robert L.: *See*—  
   Wolf, Donald E., Folkers, and Peck. 2,720,527.  
 Peck, Theodore H.: *See*—  
   Bauer, Oliver F., and Peck. 2,726,488.  
 Peckworth, Howard F. 2,717,615, Cl. 138—84.  
 Pecoraro, George J. 2,711,765, Cl. 146—216.  
 Peddinghaus, Paul F.: *See*—  
   Heitmuller, Hanfried, and Orlich. 2,710,559.  
   Peddinghaus, Werner, and Funke. 2,728,391.  
 Peddinghaus, Werner, and E. Funke, to P. F. Peddinghaus. 2,728,391, Cl. 164—40.  
 Pedersen, Carl E. 2,721,411, Cl. 43—9.  
 Pedersen, Dane H., to The Porter-Cable Machine Co. 2,714,408, Cl. 144—134.  
 Pedersen, Hans C. 2,699,024, Cl. 55—56.  
 Pedersen, John N. 2,708,558, Cl. 248—141.  
 Pedersen, Tage V., to Fairbanks, Morse & Co. 2,706,489, Cl. 137—488.  
 Pederson, Paul S. 2,723,485, Cl. 43—57.5.  
 Pederson, Raymond L.: *See*—  
   Shepherd, Douglas A., and Pederson. 2,701,805.  
 Pedicini, Salvador: *See*—  
   Repsher, Leonard, and Pedicini. 2,699,417.  
 Pedigo, Arthur J. 2,705,170, Cl. 299—59.  
 Pedlow, John W., and C. D. Vandenburg, to American Viscose Corp. 2,698,459, Cl. 18—8.  
 Pedrick Tool and Machine Co.: *See*—  
   Shaw, Ralph M., Jr. 2,723,701.  
 Pedroia, Edward H. 2,698,710, Cl. 230—52.  
 Pedroia, Edward H. 2,704,632, Cl. 230—52.  
 Peebles, David D., and P. D. Clary, Jr., to Western Condensing Co. 2,710,808, Cl. 99—55.  
 Peed, Garland P., Jr., to North American Aviation, Inc. 2,719,684, Cl. 244—83.  
 Peek, Sanford C., Jr., and O. H. Biggs, to Sylvania Electric Products Inc. 2,698,501, Cl. 49—7.  
 Peen Plate, Inc.: *See*—  
   Pottberg, Rolfe, and Clayton. 2,723,204.  
 Peepe, Donald J., to The De Vilbiss Co. 2,707,000, Cl. 137—590.  
 Peepe, Donald J., to The De Vilbiss Co. 2,708,898, Cl. 118—8.  
 Peerless Balance Co.: *See*—  
   Prosser, Matilda E. and D. M. 2,715,747.  
 Peerless Corp., The: *See*—  
   Steinbock, Max. 2,705,450.  
 Peerless, Sidney A. 2,720,725, Cl. 47—14.  
 Peerless Tube Co.: *See*—  
   Remington, Frederic, and Tartaglia. 2,699,252.  
 Peery, Norman E., to Shell Development Co. 2,709,643, Cl. 23—311.  
 Pees, Ronald R., to General Motors Corp. 2,699,161, Cl. 123—198.  
 Peets, Wilbur J., R. Happe, and A. J. Matuzas, to The Singer Mfg. Co. 2,706,956, Cl. 112—218.  
 Pegg, Samuel, & Son Ltd.: *See*—  
   Pole, Arthur S. 2,721,468.  
 Pegues, Mary R. 2,700,534, Cl. 259—118.  
 Pei, Ieoh M.: *See*—  
   Zeckendorf, William, and Pei. 2,698,973.  
 Peiker, Harry,  $\frac{1}{2}$  to M. M. Peiker. 2,723,408, Cl. 15—31.  
 Peiker, Martha M.: *See*—  
   Peiker, Harry. 2,723,408.  
 Peiler, Karl E., to Emhart Mfg. Co. 2,707,354, Cl. 49—55.  
 Peiler, Karl E., to Emhart Mfg. Co. 2,707,355, Cl. 49—55.  
 Peiler, Karl E., to Emhart Mfg. Co. 2,707,621, Cl. 259—6.  
 Peirce, Charles L., Jr., and A. A. Hoehner, to Hubbard and Co. 2,698,471, Cl. 24—125.  
 Peirson, Walter R.: *See*—  
   Sorensen, Knud B., and Peirson. 2,716,855.  
 Pell, Eric: *See*—  
   Fischer, Paul M., and Pell. 2,722,653.  
 Pelland, Raymond L.: *See*—  
   Vandercook, David D. and E. O., and Pelland. 2,725,010.  
 Pelle, Stephen. 2,699,665, Cl. 70—135.  
 Pellegrin, Elmer D., to Dixie Products, Inc. 2,722,592, Cl. 219—37.  
 Pelley, Perry H., to Beech Aircraft Corp. 2,717,792, Cl. 288—2.  
 Pelley, Perry H., to Beech Aircraft Corp. 2,723,426, Cl. 18—35.  
 Pellon Corp.: *See*—  
   Nottebohm, Carl L. 2,719,795.  
   Nottebohm, Carl L. 2,719,802.  
   Nottebohm, Carl L. 2,719,803.  
   Nottebohm, Carl L. 2,719,806.  
 Pellon, Louis A. 2,723,726, Cl. 183—57.  
 Pelton, George E., to I. S. Pelton. 2,702,623, Cl. 197—151.  
 Pelton, Ida S.: *See*—  
   Pelton, George E. 2,702,623.  
 Pelton Water Wheel Co., The: *See*—  
   Bacchi, Ray. 2,702,025.  
   Bacchi, Ray. 2,706,996.  
   Bacchi, Ray. 2,728,193.  
   Wheeler, Byron E., and Micheletti. 2,707,938.  
 Peltz, Gordon M., and R. H. Ensign, to American Safety Razor Corp. 2,726,444, Cl. 30—40.  
 Peltzer, Albert, Sr., to Merco Centrifugal Co. 2,698,826, Cl. 195—15.  
 Pelzer, Harold H., and H. Karp; said Pelzer assor. to said Karp. 2,707,467, Cl. 128—229.  
 Pemberton, Albert, & Co. Ltd.: *See*—  
   Forster, Henry A. R. 2,718,649.  
 Pemberton, Linley C., to Universal Air Lift, Inc. 2,710,184, Cl. 264—34.  
 Pemberton, Robert C. 2,712,862, Cl. 188—205.  
 Penau, Henry, and G. Hagemann, to Les Laboratoires Francais de Chimiotherapie. 2,710,863, Cl. 260—239.1.  
 Penau, Henry, G. Hagemann, and R. Claude, to Les Laboratoires Francais de Chimiotherapie. 2,715,090, Cl. 167—65.  
 Penau, Henry H., and G. Hagemann, to Les Laboratoires Francais de Chimiotherapie. 2,715,092, Cl. 167—65.  
 Penberthy, Harvey L. 2,710,306, Cl. 13—6.



- Penberthy, Olie A. 2,719,693, Cl. 248—354.  
Pence, Frederick R., to Atlas Powder Co. 2,723,295, Cl. 260—637.  
Pence, William B. 2,700,993, Cl. 144—114.  
Pendergast, Raymond F., and B. A. Feigel; said Feigel assor. to said Pendergast. 2,698,481, Cl. 30—27.  
Penick, Joe E.: *See—*  
Evans, Louis P., Payne, and Penick. 2,701,786.  
Penley, Benjamin S., to Allied Chemical & Dye Corp. 2,711,032, Cl. 34—122.  
Penley, Benjamin S., to Allied Chemical & Dye Corp. 2,721,144, Cl. 117—47.  
Penman, Walter R., to Bethlehem Steel Co. 2,726,569, Cl. 85—2.  
Penn Aircraft Products, Inc.: *See—*  
Wolcott, Glenn W. Re. 24,051.  
Penn Controls, Inc.: *See—*  
Cobb, Clifton A. 2,704,648.  
Rothwell, John J. 2,724,950.  
Penn, Melvin P., to General Motors Corp. 2,719,408, Cl. 62—117.7.  
Penn, Ralph W.: *See—*  
Nye, Norman H., Penn, Ensinger, and Sorrick. 2,703,612.  
Penn Stevedoring Corp.: *See—*  
Balwics, Thomas. 2,707,573.  
Penn, William S., and E. R. Thornley, to Henley's Tyre & Rubber Co. Ltd. 2,702,773, Cl. 154—136.  
Penna, Ernest. 2,725,570, Cl. 2—163.  
Penna, Ernest F. 2,716,286, Cl. 33—174.  
Pennell, Ford, to J. B. Pennell. 2,714,816, Cl. 72—41.  
Pennell, Jane B.: *See—*  
Pennell, Ford. 2,714,816.  
Pennella, Samuel. 2,716,428, Cl. 138—97.  
Penney, Clarence L. 2,718,716, Cl. 36—61.  
Penney, James H.: *See—*  
Stiglmeier, Donald M., Muczinski, and Penney. 2,726,343.  
Penning, Frans M., T. Jurriaanse, and J. H. A. Moubis, to Hartford National Bank and Trust Co., trustee. 2,701,849, Cl. 313—178.  
Pennington, Jack A. 2,701,663, Cl. 221—213.  
Pennington, Margaret R.: *See—*  
Watson, Charles E. 2,714,735.  
Pennington, Neal A.,  $\frac{1}{2}$  to R. H. Henley, and  $\frac{1}{4}$  to R. S. Hoar. 2,700,537, Cl. 261—83.  
Pennington, Neal A.,  $\frac{1}{2}$  to R. H. Henley, and  $\frac{1}{4}$  to R. S. Hoar. 2,723,837, Cl. 257—3.  
Pennock, John C., and A. J. Bacchieri, to Tracerlab, Inc. 2,711,485, Cl. 250—105.  
Pennsylvania Engineering Corp.: *See—*  
McFeaters, Harry L. 2,708,108.  
Pennsylvania Research Corp., The: *See—*  
Crain, Harry M. 2,726,048.  
Crain, Harry M. 2,726,049.  
Pennsylvania Salt Mfg. Co., The: *See—*  
Gall, John F., and Inman. 2,702,306.  
Mitchell, William F., and Grant-MacKay. 2,702,233.  
Newcomer, Jack S. 2,721,160.  
Newcomer, Jack S. 2,722,497.  
Olin, John F. 2,722,478.  
Orozco, Gilbert H., and Roy. 2,712,511.  
Penny, C. M.: *See—*  
Raney, William E. 2,718,376.  
Penny, Chester F., to Underwood Corp. 2,703,592, Cl. 140—103.  
Penobscot Chemical Fibre Co.: *See—*  
Morton, Avery A. 2,699,998.  
Pensack, Joseph M., to Commercial Solvents Corp. 2,723,198, Cl. 99—2.  
Pensak, Louis, to Radio Corp. of America. 2,713,604, Cl. 178—5.4.  
Pensak, Louis, to Radio Corp. of America. 2,716,188, Cl. 250—27.  
Pensak, Louis, to Radio Corp. of America. 2,728,020, Cl. 315—8.6.  
Pentescio, Walter J.: *See—*  
Parish, Preston S., Marchyn, and Pentescio. 2,718,979.  
Penther, Carl J.: *See—*  
Pompeo, Domenick J., Penther, and Noller. 2,703,628.  
Pentkowski, Walter L. 2,710,075, Cl. 188—78.  
Penton, Hugh V. 2,708,016, Cl. 189—85.  
Penwell, Harold. 2,703,255, Cl. 296—97.  
People in the Territory of the United States, dedicated to the free use of the: *See—*  
Anderson, Dale L., Shaffer, Knowles, Harwell, Nash, and Davies, Edgar de L., and Jones. 2,704,255.  
Lewis. 2,724,342.  
McCabe, Edward T. 2,724,677.  
Taylor, John G. 2,702,843.  
Peoples, Harold J. 2,712,280, Cl. 97—198.  
Peoples, Jethro, Sr. 2,718,422, Cl. 292—194.  
Peoples, Virgil, to O. M. Scott and Sons Co. 2,718,986, Cl. 222—177.  
Pepi, John. 2,705,844, Cl. 37—12.  
Pepino, Lyle F.: *See—*  
Norwood, Ronald M., and Pepino. 2,728,119.  
Peple, Gustave A., Jr., deceased, by Bank of Commerce and Trusts, executor. 2,701,101, Cl. 236—1.  
Peplin, Stephen C., to Lakewood Mfg. Co. 2,725,242, Cl. 280—204.  
Peppel, William J.: *See—*  
Lazier, Wilbur A., Peppel, and Salzberg. 2,725,335.  
Pepperell Mfg. Co.: *See—*  
Cloutier, Joseph A. 2,726,611.  
"Peppy" Industries, Inc.: *See—*  
Schnäkel, Hans. 2,714,851.  
Peras, Lucien, to Regie Nationale des Usines Renault. 2,727,504, Cl. 123—140.  
Perazzoli, Henry J. 2,714,774, Cl. 37—104.  
Percival, Isabel C., and J. E. Tierney. 2,717,170, Cl. 292—325.  
Perelstrus, William, to Jordan Engineering, Inc. 2,711,518, Cl. 336—149.  
Perconti, Thomas J.: *See—*  
Cundall, Lincoln A., and Perconti. 2,718,965.  
Perc-Tone Aluminum Products, Inc.: *See—*  
Zide, Ralph. 2,705,813.  
Percy, James H. 2,719,067, Cl. 311—90.  
Perdreux, Claude A., Sr. 2,700,455, Cl. 206—33.  
Perdue, Jack, to Electro-Hydraulics Ltd. 2,720,865, Cl. 121—38.  
Perdue, William B. 2,717,638, Cl. 158—76.  
Pereira, Humberto, to A. G. Cohen and P. Weiss. 2,724,396, Cl. 135—46.  
Peretti, Leonard G. 2,712,582, Cl. 200—172.  
Peretti, Leonard G. 2,720,723, Cl. 46—7.  
Perez, Arthur, to Tyler Refrigeration Corp. 2,727,364, Cl. 62—115.  
Perez, José A. 2,711,186, Cl. 137—460.  
Perfect Circle Corp.: *See—*  
Nation, Enoch F. 2,725,688.  
Taylor, Charles D. 2,704,902.  
Perfect Parts Co., The: *See—*  
Gross, Albert. 2,723,162.  
Perfection Industries, Inc.: *See—*  
Patrick, Malcom W. 2,721,546.  
Patrick, Malcom W. 2,721,704.  
Patrick, Malcom W. 2,721,705.  
Perfection Mfg. Corp.: *See—*  
Gallistel, Albert F. 2,713,344.  
Gallistel, Albert F. 2,725,892.  
Perfection Stove Co.: *See—*  
Chadwick, Lee S., and Brehm. 2,711,475.  
Squire, Harris A., and Sacha. 2,711,215.  
Perfix Corp.: *See—*  
Malone, Homer E. 2,701,830.  
Perforating Guns Atlas Corp.: *See—*  
Castel, Jacques H. 2,703,053.  
Janssen, Hermann. 2,722,657.  
Scherbatsky, Serge A. 2,725,485.  
Pergande, Leslie S., to Illinois Tool Works. 2,726,456, Cl. 33—179.5.  
Periale, John A., to the United States of America as represented by the Secretary of the Army. 2,699,528, Cl. 324—24.  
Perier, Claude H. 2,704,048, Cl. 116—135.  
Perilli, Louis. 2,708,862, Cl. 93—49.  
Perin, Gaston. 2,725,673, Cl. 47—1.2.  
Perish, Peter W.: *See—*  
Gardiner, Arthur W., Gaubatz, Nickel, Dolza, and Perish. 2,708,426.  
Perkin-Elmer Corp., The: *See—*  
Matner, Vincent E. 2,724,995.  
McCarthy, Edward L. 2,698,555.  
McCarthy, Edward L. 2,725,786.  
Perkins, Albert G. 2,703,100, Cl. 137—455.  
Perkins, Alfred G.: *See—*  
Kirwan, Kenneth K., and Perkins. 2,704,873.  
Perkins, Daniel: *See—*  
Fletcher, Alexander S., Savill, and Perkins. 2,713,466.  
Perkins, Corles M.: *See—*  
Meyers, Raymond L., and Perkins. 2,704,647.  
Perkins, F., Ltd.: *See—*  
Scott, Sydney W. 2,717,317.  
Perkins, Philip, and J. Staley, to Reynolds Metals Co. 2,701,396, Cl. 20—55.  
Perkins, Philip R. 2,702,436, Cl. 34—164.  
Perkins, Robert K.: *See—*  
Hale, Andrew, Perkins, and Woodrow. 2,725,220.  
Perkins, Robert M.: *See—*  
Demarest, Daniel D., Perkins, Karius, and Berendt. 2,701,385.  
Perkins, Theodore O., to Acme Visible Records, Inc. 2,725,880, Cl. 129—16.7.  
Perkovic, Louis A. 2,717,392, Cl. 2—153.  
Perks, Joseph H., Sr. 2,714,789, Cl. 51—178.  
Perlin, Fred, to The Parker Pen Co. 2,727,464, Cl. 102—38.  
Perlman, David: *See—*  
Mattikow, Morris, and Perlman. 2,704,764.  
Mattikow, Morris, and Perlman. 2,721,872.  
Perlman, David, J. Fried, E. O. Titus, and A. F. Langlykke, to Olin Mathieson Chemical Corp. 2,709,705, Cl. 260—397.4.  
Perlman, Milton. 2,709,427, Cl. 126—113.  
Perlman, Milton. 2,709,428, Cl. 126—113.  
Perlman, Milton. 2,709,429, Cl. 126—113.  
Perlmutter, Samuel. 2,716,793, Cl. 24—84.  
Perlotto, George T. 2,724,134, Cl. 10—136.  
Permaceel Tape Corp.: *See—*  
Eger, Laszlo W., and Engel. 2,726,967.  
Di Carlo, Carlton M. 2,727,572.  
Perma-Flex Industries Ltd.: *See—*  
Spencer, James. 2,721,601.  
Permafuse Corp., The: *See—*  
Tilden, Sydney G., Jr. 2,704,267.  
Permann, Karl, to Shell Development Co. 2,721,735, Cl. 263—41.



- Permolde Co., The: *See*—  
Fahlman, Everett G. 2,707,136.  
Fahlman, Everett G., and Smith. 2,705,667.
- Permutit Co., The: *See*—  
Gilwood, Martin E. 2,702,795.  
Sard, Bernard A. 2,711,995.
- Peroutky, Donald C., and C. J. Watters, to General Electric Co. 2,701,324, Cl. 317—83.
- Perrault, Ainslie. 2,717,001, Cl. 137—514.
- Perreault, Emile V., to Davol Rubber Co. 2,699,169, Cl. 128—252.
- Perrelli Freestone Machine Inc.: *See*—  
Perrelli, John. 2,701,594.
- Perrelli, John, to Perrelli Freestone Machine Inc. 2,701,594, Cl. 146—28.
- Perret, Paul A. 2,711,075, Cl. 60—39.63.
- Perri, Frank B.: *See*—  
Du Grenier, Francis C., and Perri. 2,726,749.
- Perri, Frank B. and P. R. 2,704,620, Cl. 222—118.
- Perri, Peter R.: *See*—  
Perri, Frank B. and P. R. 2,704,620.
- Perriguet, Forrest B., to American Trust Co., trustee of Rheem Mfg. Co. Employees' Pension Plan and Trust. 2,703,952, Cl. 53—140.
- Perrin, John, to Powers-Samas Accounting Machines Ltd. 2,699,210, Cl. 164—115.
- Perrin, Raymond M. 2,722,468, Cl. 312—257.
- Perrin, René, to Societe d'Electro-Chimie d'Electro-Metallurgie et des Acieries Electriques d'Ugine. 2,718,389, Cl. 266—37.
- Perron, Robert R.: *See*—  
Gates, William O., and Perron. 2,721,989.
- Perrottet, Adelar, ½ to E. Stoecklin. 2,700,798, Cl. 20—1.12.
- Perry, Clarence R. 2,726,789, Cl. 222—83.5.
- Perry, Edmond S., and D. S. Cox, to Eastman Kodak Co. 2,701,261, Cl. 260—475.
- Perry, Edward G., Jr., to Texas Instruments Inc. 2,717,821, Cl. 346—107.
- Perry, Elijah E. 2,721,416, Cl. 43—141.
- Perry, Edwood L. 2,728,379, Cl. 155—156.
- Perry, Eugene L., deceased, H. M. Swope and G. Gubernator, executrices, to Packaging Materials Corp. 2,702,497, Cl. 92—43.
- Perry, Harry: *See*—  
Elliott, Martin A., Corey, and Perry. 2,703,275.
- Perry, Guy L., and J. M. Kehr. 2,718,088, Cl. 43—55.
- Perry, James G., to Michigan Moulding Co. 2,720,682, Cl. 20—12.
- Perry, Lorenzo D. 2,709,742, Cl. 219—21.
- Perry, Luther C., R. H. McKane, and D. V. Moses, to E. I. du Pont de Nemours and Co. 2,699,384, Cl. 48—206.
- Perry, Milton A.: *See*—  
Hagemeyer, Hugh J., Jr., and Perry. 2,719,138.
- Perry, Murle. 2,721,553, Cl. 128—283.
- Perry, Stan E.: *See*—  
McLeod, Ken, and Perry. 2,699,091.
- Perry, Stephen F., to Esso Research and Engineering Co. 2,725,338, Cl. 196—18.
- Perry, Stephen F., H. J. Zoeller, and R. M. Bailly, to Esso Research and Engineering Co. 2,723,942, Cl. 196—17.
- Perry, William J. 2,702,579, Cl. 154—1.
- Perryman, George H., to Windsor Mfg. Co. of Clifton, N. J. 2,721,600, Cl. 154—16.
- Persak, George, Jr., to The Oiljak Mfg. Co., Inc. 2,710,707, Cl. 222—108.
- Person, Lars B., to Radio Corp. of America. 2,707,268, Cl. 332—9.
- Person, Lars B., to Radio Corp. of America. 2,719,965, Cl. 340—174.
- Person, Lars B., and C. H. Von Sivers, R. K. Wadö, and K. R. Wickman, to Telefonaktiebolaget L. M. Ericsson. 2,717,277, Cl. 119—15.6.
- Person, Lars B., C. H. von Sivers, K. R. Wadö, and K. R. Wickman, to Telefonaktiebolaget L. M. Ericsson. 2,718,554, Cl. 178—69.5.
- Person, Lars B., C. H. von Sivers, R. K. Wadö, and K. R. Wickman, to Telefonaktiebolaget L. M. Ericsson. 2,728,817, Cl. 179—15.
- Person, Mack. 2,717,990, Cl. 340—242.
- Personal Products Corp.: *See*—  
Johnson, Robert W. 2,705,498.  
Stringham, Floyd M. Re. 24,001.
- Perspecta Sound Inc.: *See*—  
Fine, Clarence R. 2,714,633.
- Persson, Anders: *See*—  
Owen, Jonas L., and Persson. 2,718,245.
- Persson, Curt O. G. 2,702,943, Cl. 31—49.
- Persson, Eric S. 2,725,606, Cl. 20—56.5.
- Persson, Gustav F. and K. V. 2,724,275, Cl. 73—425.6.
- Persson, Henry, to Float-Lock Corp. 2,724,295, Cl. 77—63.
- Persson, John A., to Union Carbide and Carbon Corp. 2,719,900, Cl. 219—10.
- Persson, Karl V.: *See*—  
Persson, Gustav F. and K. V. 2,724,275.
- Perties, Elias P. and E. E. 2,718,836, Cl. 97—43.
- Perties, Emil E.: *See*—  
Perties, Elias P. and E. E. 2,718,836.
- Perugia, Andre, to Anper, Inc. 2,726,462, Cl. 36—22.
- Perwas, Ludwig F. 2,707,295, Cl. 15—138.
- Pesante, Manilo, to Riv-Officine di Villar Perosa Societa per Azioni. 2,717,515, Cl. 73—15.
- Pesch, Edward T.: *See*—  
Loria, Anthony, and Pesch. 2,721,798.
- Pesek, Victor J. 2,723,738, Cl. 192—84.
- Peselnick, Herman. 2,702,654, Cl. 222—115.
- Pestarini, Joseph M. 2,725,490, Cl. 307—80.
- Pestarini, Joseph M. 2,703,345, Cl. 191—14.
- Pestarini, Joseph M. 2,728,884, Cl. 318—230.
- Petavy, Emile: *See*—  
Chibret, Rene, Petavy, and Bonnevey. 2,703,575.
- Petcar Research Corp.: *See*—  
Norton, Mahlon H. 2,709,799.  
Norton, Mahlon H. 2,728,069.
- Petch, Charles L. 2,713,522, Cl. 308—3.
- Petch, Howard D. 2,723,460, Cl. 33—147.
- Peter, Leslie H.: *See*—  
Jenkins, Alexander, and Peter. 2,721,966.
- Peter, Leslie H., and E. A. Sheppard, to Westinghouse Brake and Signal Co. Ltd. 2,707,252, Cl. 317—234.
- Peter, Robert G.: *See*—  
Boice, Elvin G., and Peter. 2,719,027.  
Boice, Elvin G., and Peter. 2,728,559.
- Peter, Rolf W., to Radio Corp. of America. 2,719,936, Cl. 315—3.5.
- Peterbilt Motors Co.: *See*—  
Brumbaugh, George U. 2,699,223.  
Brumbaugh, George U. 2,701,031.
- Peters, Alfons, to Hartford National Bank and Trust Co., trustee. 2,699,843, Cl. 184—24.
- Peters, Arthur C., to Cinch Mfg. Corp. 2,705,312, Cl. 339—194.
- Peters, Beldon A., and J. A. Rickard, to Esso Research and Engineering Co. 2,718,596, Cl. 250—41.9.
- Peters, Bernard: *See*—  
Backus, John G., and Peters. 2,715,683.
- Peters, Clifford M.: *See*—  
Garrett, Henry U., and Peters. 2,709,445.
- Peters, Cora L. W.: *See*—  
Peters, Peter N. 2,699,658.  
Peters, Peter N. 2,711,092.
- Peters, Edward O., to Northern Engraving & Mfg. Co. 2,724,988, Cl. 88—26.
- Peters, Edward O., and A. P. Brietzke, to Northern Engraving & Mfg. Co. 2,700,917, Cl. 88—24.
- Peters, Edwin F.: *See*—  
Evering, Bernard L., and Peters. 2,728,754.  
Hoeksema, Herman, and Peters. 2,702,288.
- Peters, Edwin F., to Standard Oil Co. 2,700,663, Cl. 260—94.9.
- Peters, Faith P.: *See*—  
Berg, Elaine. 2,721,459.
- Peters, Freimut: *See*—  
Hagspohl, Paul, and Peters. 2,724,733.
- Peters, Grace A.: *See*—  
Kaiser, Donald W., and Peters. 2,721,218.  
Kaiser, Donald W., and Peters. 2,723,274.  
Kaiser, Donald W., and Peters. 2,723,275.
- Peters, Grace A., and D. W. Kaiser, to American Cyanamid Co. 2,721,217, Cl. 260—564.
- Peters, Howard, and E. J. Haedike, to Elastic Stop Nut Corp. of America. 2,702,429, Cl. 29—534.
- Peters, John. 2,707,203, Cl. 174—59.
- Peters, John G.: *See*—  
Cantrell, Troy L., Peters, and Smith. 2,721,176.  
Smith, Herschel G., Cantrell, and Peters. 2,699,427.
- Peters, Joseph M., to The Gleason Works. 2,718,402, Cl. 279—50.
- Peters, Karl, to Klockner-Humboldt-Deutz A. G. 2,723,838, Cl. 259—36.
- Peters, Leo. 2,703,287, Cl. 99—171.
- Peters, Leo. 2,710,732, Cl. 248—100.
- Peters, Leo. 2,713,543, Cl. 99—171.
- Peters, Leo. 2,713,544, Cl. 99—171.
- Peters, Leonard W., to United States Steel Corp. 2,706,564, Cl. 212—4.
- Peters, Lewis E., to Raymond M. Price and Associates, Inc. 2,709,792, Cl. 339—50.
- Peters, Louis. 2,728,894, Cl. 339—44.
- Peters, Max D., to Minneapolis-Honeywell Regulator Co. 2,702,481, Cl. 74—2.
- Peters, Norman J., to Damrow Brothers Co. 2,698,624, Cl. 134—62.
- Peters, Norman K., to Bendix Aviation Corp. 2,705,864, Cl. 60—35.6.
- Peters, Peter N., deceased; C. L. W. Peters, executrix, to C. L. W. Peters. 2,699,658, Cl. 66—84.
- Peters, Peter N., deceased; C. L. W. Peters, executrix, to C. L. W. Peters. 2,711,092, Cl. 66—84.
- Peters, Ralph W., and J. W. Mengel, to Eastman Kodak Co. 2,710,800, Cl. 92—3.
- Peters & Russell, Inc.: *See*—  
Russell, Linus E. 2,722,137.  
Russell, Linus E. 2,723,794.  
Russell, Linus E. 2,726,673.
- Peters, Zygmunt. 2,719,451, Cl. 84—312.
- Petersen, Alfred A., to Prat Daniel Corp. 2,717,054, Cl. 183—81.
- Petersen, Arthur E. 2,704,951, Cl. 81—41.
- Petersen, Clifford W.: *See*—  
Kaminky, Oscar H., Petersen, and Thiry. 2,705,121.
- Petersen, Clifford W., to McGraw Electric Co. 2,700,807, Cl. 24—125.
- Petersen, Clifford W., to McGraw Electric Co. 2,703,216, Cl. 248—231.
- Petersen, Clifford W., to McGraw Electric Co. 2,723,733, Cl. 189—92.



- Petersén, Curt W., to Stensholms Fabriks Aktiebolag. 2,700,715, Cl. 200—122.
- Petersen, H. M., & Associates, Inc.: *See*—  
Petersen, Hans M. 2,728,330.
- Petersen, Hans M., to H. M. Petersen & Associates, Inc. 2,728,330, Cl. 123—16.
- Petersen, Harry J. 2,710,478, Cl. 42—54.
- Petersen, John L., to The Standard Oil Co. 2,723,950, Cl. 196—93.
- Petersen, Louis, to F. L. Smidth & Co. 2,719,034, Cl. 263—33.
- Petersen, Lowell W., to Swift & Co. 2,702,594, Cl. 159—16.
- Petersen, Lowell W., to Swift & Co. 2,704,120, Cl. 159—47.
- Petersen, Ove, to Aktieselskabet Burmeister & Wains Maskin-Og Skibbyggeri. 2,704,056, Cl. 123—65.
- Petersen Oven Co., The: *See*—  
Mahoney, Joseph L. 2,725,020.
- Petersen, Thorvald, to Reed Mfg. Co. 2,703,027, Cl. 81—19.
- Petersen, Thorvald, to Reed Mfg. Co. 2,726,564, Cl. 81—68.
- Petersen, William. 2,711,663, Cl. 81—84.
- Petersen, William L., to Clarke Sanding Machine Co. 2,703,152, Cl. 183—37.
- Petersen, William L., to Clarke Sanding Machine Co. 2,722,700, Cl. 15—49.
- Peterson, Adolphe C. 2,703,147, Cl. 170—160.25.
- Peterson, Adolphe C. 2,708,004, Cl. 180—79.2.
- Peterson, Adolphe C. 2,708,880, Cl. 103—5.
- Peterson, Adolphe C. 2,711,295, Cl. 244—7.
- Peterson, Adolphe C. 2,715,506, Cl. 244—7.
- Peterson, Adolphe C. 2,728,404, Cl. 180—79.2.
- Peterson, Albert C., and J. G. Attwood, to Union Special Machine Co. 2,711,146, Cl. 112—218.
- Peterson, Albert C., and G. Sauer, to Union Special Machine Co. 2,721,527, Cl. 112—256.
- Peterson, Albert C., and A. M. Schweda, to Union Special Machine Co. 2,712,805, Cl. 112—252.
- Peterson, Albert C., to Union Special Machine Co. 2,721,528, Cl. 112—256.
- Peterson, Albert C., to Union Special Machine Co. 2,727,480, Cl. 112—256.
- Peterson, Albin K. 2,716,279, Cl. 30—41.5.
- Peterson, Aldon M. 2,716,833, Cl. 43—44.88.
- Peterson, Alfred. 2,712,945, Cl. 280—29.
- Peterson, Andrew L. 2,723,332, Cl. 219—8.
- Peterson, Arthur W. 2,699,144, Cl. 118—500.
- Peterson, Axel H. 2,702,417, Cl. 22—10.
- Peterson, Axel H. 2,705,821, Cl. 22—36.
- Peterson, Axel H. 2,711,566, Cl. 22—10.
- Peterson, Axel, to Electrolux Corp. 2,715,946, Cl. 183—37.
- Peterson, C. Lynn, to Peterson Filters & Engineering Co. 2,720,315, Cl. 210—201.
- Peterson, Carl O., and N. J. Spindler, to Chrysler Corp. 2,721,780, Cl. 312—304.
- Peterson, Carl R., and A. M. Mitnick, to the United States of America as represented by the Secretary of the Navy. 2,723,095, Cl. 244—148.
- Peterson, Charles D., to Universal Controls Corp. 2,726,101, Cl. 285—16.
- Peterson, Chester. 2,705,935, Cl. 115—1.
- Peterson Construction Co.: *See*—  
Stewart, Sidney. 2,714,773.
- Peterson, David A.: *See*—  
Peterson, Norman A. and D. A. 2,709,930.
- Peterson, Durey H.: *See*—  
Murray, Herbert C., and Peterson. 2,702,809.
- Murray, Herbert C., and Peterson. 2,702,810.
- Murray, Herbert C., and Peterson. 2,703,326.
- Murray, Herbert C., and Peterson. 2,703,327.
- Murray, Herbert C., and Peterson. 2,703,806.
- Murray, Herbert C., and Peterson. 2,721,828.
- Murray, Herbert C., and Peterson. 2,727,910.
- Murray, Herbert C., and Peterson. 2,727,911.
- Peterson, Edward G., to Bristol Industrial Equipment Co. 2,728,470, Cl. 214—17.
- Peterson, Edward S., to Automatic Electric Laboratories, Inc. 2,722,566, Cl. 179—1.
- Peterson, Edward T., to Birdsboro Steel Foundry and Machine Co. 2,709,627, Cl. 308—76.
- Peterson Filters & Engineering Co.: *See*—  
Peterson, C. Lynn. 2,720,315.
- Peterson, Frank H.: *See*—  
Peterson, Walter F., and F. H. 2,723,038.
- Peterson, George N., to Crompton & Knowles Loom Works. 2,713,357, Cl. 139—186.
- Peterson, Gerald D. 2,714,430, Cl. 189—75.
- Peterson, Gerald D. 2,714,431, Cl. 189—75.
- Peterson, Glen. 2,713,232, Cl. 47—58.
- Peterson, Glen, to Phillips Petroleum Co. 2,700,753, Cl. 340—15.
- Peterson, Gustaf J., to Mattison Machine Works. 2,714,906, Cl. 143—174.
- Peterson, Glen, to Phillips Petroleum Co. 2,724,819, Cl. 340—17.
- Peterson, Harold W. 2,714,434, Cl. 192—094.
- Peterson, Harry N. 2,708,809, Cl. 46—22.
- Peterson, Harry W., Jr., A. C. Henn, and A. Gathman, to Esso Research and Engineering Co. 2,719,105, Cl. 196—14.4.
- Peterson, Martin F.: *See*—  
Candlin, James E., Jr., Norby, Aylmer, and Peterson. 2,700,507.
- Peterson, Howard C. 2,700,220, Cl. 32—63.
- Peterson, Hugo F. 2,712,722, Cl. 56—386.
- Peterson, James L. 2,702,508, Cl. 103—3.
- Peterson, Joel D., to Bendix Aviation Corp. 2,713,335, Cl. 123—102.
- Peterson, John E., to The Waterbury Lock & Specialty Co. 2,700,882, Cl. 67—7.1.
- Peterson, Knut D. 2,699,613, Cl. 36—4.5.
- Peterson, Leroy E.: *See*—  
Dart, Sidney L., Peterson, and Ricards. 2,724,264.
- Peterson, Leroy E., S. L. Dart, and J. A. Richards, Jr., to American Viscose Corp. 2,712,214, Cl. 57—65.
- Peterson, Lester C.: *See*—  
Iknayan, Alfred N., Peterson, and Batts. 2,702,286.
- Iknayan, Alfred N., Peterson, and Batts. 2,702,287.
- Peterson, Lester C., and H. J. Batts, to United States Rubber Co. 2,726,224, Cl. 260—38.
- Peterson, Lester C., and H. J. Batts, to United States Rubber Co. 2,727,874, Cl. 260—28.5.
- Peterson, Lowell Q. 2,715,030, Cl. 280—30.
- Peterson, Magnus: *See*—  
Askviken, Olav J., and Peterson. 2,724,226.
- Peterson, Marvin L.: *See*—  
Engelhardt, Vaughn A., and Peterson. 2,716,633.
- Peterson, Merle: *See*—  
Vutz, Wilhelm, and Peterson. 2,704,670.
- Peterson, Merle H., to Avco Mfg. Corp. 2,725,707, Cl. 56—228.
- Peterson, Nels V. 2,720,249, Cl. 155—94.
- Peterson, Norman A. and D. A. 2,709,930, Cl. 76—35.
- Peterson Oven Co., The: *See*—  
St. John, John M., and Wittenberger. 2,704,614.
- Peterson, Paul F., to North American Aviation, Inc. 2,719,459, Cl. 89—33.
- Peterson, Richard H.: *See*—  
Heytow, Solomon, and Peterson. 2,712,040.
- Peterson, Robert A., to Caterpillar Tractor Co. 2,712,873, Cl. 212—8.
- Peterson, Robert E.: *See*—  
Lockwood, George H., and Peterson. 2,707,687.
- Storms, John A., and Peterson. 2,725,498.
- Peterson, Robert E. 2,728,509, Cl. 226—20.6.
- Peterson, Robert H.: *See*—  
Mock, Frank C., and Peterson. 2,704,516.
- Peterson, Robert J. 2,714,548, Cl. 346—38.
- Peterson, Ruben O., to The Osborn Mfg. Co. 2,703,472, Cl. 51—193.
- Peterson, Ruben O., to The Osborn Mfg. Co. 2,704,854, Cl. 15—182.
- Peterson, Ruben O., to The Osborn Mfg. Co. 2,704,916, Cl. 51—193.
- Peterson, Ruben O., to The Osborn Mfg. Co. 2,714,738, Cl. 15—183.
- Peterson, Russell L., Jr.: *See*—  
Viall, Richmond, Jr., Peterson, and Johnson. 2,716,845.
- Peterson, Theodore E.: *See*—  
Reese, Howard S., and Peterson. 2,723,835.
- Peterson, Theodore P. 2,706,361, Cl. 43—69.
- Peterson, Thomas F. 2,722,393, Cl. 248—63.
- Peterson, Victor W., and O. J. Maha, to Hannifin Corp. 2,704,996, Cl. 121—38.
- Peterson, Victor W., and O. J. Maha, to Hannifin Corp. 2,710,595, Cl. 121—38.
- Peterson, Walter E., to Northrop Aircraft, Inc. 2,728,868, Cl. 310—8.4.
- Peterson, Walter F. and F. H. 2,723,038, Cl. 214—84.
- Peterson, Walter L., to Allis-Chalmers Mfg. Co. 2,712,110, Cl. 323—43.5.
- Peterson, Walter R.: *See*—  
Poynor, Russell R., and Peterson. 2,718,433.
- Peterson, Walter R. 2,708,141, Cl. 302—42.
- Peterson, Walter R., and A. C. Radtke, to International Harvester Co. 2,700,478, Cl. 214—2.
- Peterson, Wilber P., to Northeast Tool and Die Works, Inc. 2,710,334, Cl. 240—7.55.
- Pethybridge, Charles A., to The New Britain Machine Co. 2,698,545, Cl. 74—368.
- Petit, Jean F. G., to Societe d'Exploitation de Brevets. 2,705,772, Cl. 332—28.
- Petit, William H., to Clary Corp. 2,723,169, Cl. 308—195.
- Petitpas, Marthe. 2,711,736, Cl. 128—286.
- Petkowitz, Carl F., to General Motors Corp. 2,719,772, Cl. 312—340.
- Peto, Conrad J., to Revere Camera Co. 2,705,438, Cl. 88—28.
- Petram, Fred W. 2,707,827, Cl. 30—123.
- Petrasek, Edward J., W. A., and R., and W. Rutkowski. 2,703,947, Cl. 43—42.39.
- Petrasek, Rudolph: *See*—  
Petrasek, Edward J., W. A., and R., and Rutkowski. 2,703,947.
- Petrasek, William A.: *See*—  
Petrasek, Edward J., W. A., and R., and Rutkowski. 2,703,947.
- Petrea, James C., to Wright Machinery Co. 2,701,639, Cl. 209—121.
- Petree, John C.: *See*—  
Buck, Julian R., and Petree. 2,699,675.
- Petric, Elso. 2,704,742, Cl. 202—173.
- Petric, Edward J. and R. E., to Bretford Mfg., Inc. 2,703,690, Cl. 248—124.
- Petric, Russell E.: *See*—  
Petric, Edward J. and R. E. 2,703,690.
- Petrie, Crawford A. C.: *See*—  
Harding, John B., and Petrie. 2,711,429.
- Petrie, Harry C. 2,725,036, Cl. 119—17.
- Petro, John S., to S. C. Johnson & Son, Inc. 2,701,638, Cl. 209—90.



- Petrocarbon Ltd.: *See*—  
Szwarc, Michael M., and Roper. 2,712,532.
- Petro-Chem Process Co., Inc.: *See*—  
Throckmorton, John W., and Wallis. 2,703,072.
- Petrochko, Raymond. 2,722,847, Cl. 74—478.5.
- Petroff, Merlin O., and A. C. Allen, to Stewart-Warner Corp. 2,702,883, Cl. 332—2.
- Petroleum Engineering Associates, Inc.: *See*—  
Romo, Paul C., and Lynch. 2,705,417.
- Petrolite Corp.: *See*—  
De Groote, Melvin. 2,716,126.  
De Groote, Melvin. 2,716,127.  
De Groote, Melvin. 2,723,249.  
De Groote, Melvin. 2,723,283.  
De Groote, Melvin. 2,723,284.  
De Groote, Melvin. 2,723,285.  
De Groote, Melvin, and Keiser. 2,723,250.  
De Groote, Melvin, and Keiser. 2,723,251.  
De Groote, Melvin, and Keiser. 2,723,252.  
De Groote, Melvin, and Shen. 2,723,241.  
Monson, Louis T., and Dickson. 2,727,027.  
Smith, Alvin H. 2,713,559.  
Smith, Alvin H. 2,713,582.  
Smith, Alvin H. 2,713,583.  
Smith, Alvin H. 2,714,611.
- Petropoulos, John C.: *See*—  
Cadwell, Leonard E., and Petropoulos. 2,713,039.
- Petrow, Vladimir: *See*—  
Mamalis, Patrick, Petrow, and Sturgeon. 2,728,763.
- Petrovsky, Benjamin. 2,724,936, Cl. 51—187.
- Petry, John, to Raylite Electric Corp. 2,716,745, Cl. 340—398.
- Petry, John K.: *See*—  
Gilbert, Everett E., Moran, and Petry. 2,723,990.
- Petsche, August C. 2,717,577, Cl. 119—26.
- Petskeyes, Charles H., to Gellman Mfg. Co. 2,719,499, Cl. 112—210.
- Pettas, Constant G. 2,718,211, Cl. 119—51.
- Pettengill, Gilbert S., deceased; E. A. Russell and J. E. Platt, executors. 2,709,272, Cl. 15—171.
- Petter, Noel A., to Standard Paper Box Corp. 2,711,852, Cl. 229—28.
- Pettersen, Gunnar N. 2,725,022, Cl. 111—3.
- Pettersen, Wilber E., to The Weather-Proof Co. 2,723,713, Cl. 160—19.
- Pettersen, Wilber E., to The Weather-Proof Co. 2,723,732, Cl. 189—46.
- Petterson, De Witt R.: *See*—  
Ness, Irving S., Lints, and Petterson. 2,705,686.  
Ness, Irving S., Lints, and Petterson. 2,705,688.
- Petterson, De Witt R., to Chicopee Mfg. Corp. 2,705,692, Cl. 154—101.
- Petterson, De Witt R., and I. S. Ness, to Chicopee Mfg. Corp. 2,705,687, Cl. 117—44.
- Pettibone Mulliken Corp.: *See*—  
Koren, George J. 2,708,034.  
Logus, Anthony T. 2,708,800.  
Nass, Chester V., and Kuehlthau. 2,708,513.  
Seifert, Edwin J. 2,709,312.
- Pettibone New York Corp.: *See*—  
Lado, Anthony L. 2,716,899.
- Pettigrew, Charles P., to United States Steel Corp. 2,708,022, Cl. 198—41.
- Pettigrew, David D., and L. K. Shepard, to The Hartford Special Machinery Co. 2,716,395, Cl. 121—45.
- Pettigrew, James F., Sr. 2,721,442, Cl. 58—44.
- Pettit, Frank. 2,699,334, Cl. 272—31.
- Pettit, Frank. 2,715,296, Cl. 46—175.
- Pettit, Frank, to The Lionel Corp. 2,724,557, Cl. 238—10.
- Pettit, Jack L., to Metalwash Machinery Co. 2,706,991, Cl. 134—125.
- Pettit, Louis B. 2,704,448, Cl. 68—229.
- Pettus, James L., to Radio Corp. of America. 2,702,705, Cl. 271—23.
- Pettus, James L., to Radio Corp. of America. 2,709,596, Cl. 274—4.
- Pettus, James L., and A. C. Albee, to Radio Corp. of America. 2,712,941, Cl. 274—11.
- Pettus, James L., and A. C. Blaney, to Radio Corp. of America. 2,726,286, Cl. 179—100.2.
- Petty, Gordon E. 2,717,571, Cl. 115—53.
- Petty, Milton A., Jr., to American Cyanamid Co. 2,709,672, Cl. 195—80.
- Petty, Olive S.: *See*—  
Hasbrook, Arthur F. 2,699,544.  
Parr, Josephus O., Jr. 2,698,927.
- Petty, Raymond H. 2,701,986, Cl. 90—12.
- Petty, William M. 2,723,479, Cl. 43—1.
- Pettyjohn, Elmore S., to The Institute of Gas Technology. 2,706,706, Cl. 202—26.
- Pettyjohn, Elmore S., to The Institute of Gas Technology. 2,719,819, Cl. 196—76.
- Pettyjohn, Elmore S., and H. R. Linden, to The Institute of Gas Technology. 2,707,675, Cl. 48—196.
- Pettyjohn, Elmore S., and C. G. von Fredersdorff, to The Institute of Gas Technology. 2,715,573, Cl. 48—206.
- Pettyjohn, Elmore S., and H. R. Linden, to The Institute of Gas Technology. 2,721,122, Cl. 48—211.
- Pettyjohn, Elmore S., and H. R. Linden, to Institute of Gas Technology. 2,721,123, Cl. 48—213.
- Petty's General Merchandise: *See*—  
Hodgin, Charles L. 2,705,179.
- Petzal, Henry, and E. J. Wohlfarth; said Petzal assor. to Bartmann & Bixler, Inc. 2,708,059, Cl. 223—30.
- Peyrot, Pierre P., and L. J. Dumoulin, to Societe des Usines Chimiques Rhone Poulenc. 2,707,179, Cl. 260—46.5.
- Pezzillo, Albert R. 2,707,080, Cl. 241—257.
- Pezzillo, Albert R., Jr. 2,700,343, Cl. 103—87.
- Pfaff, G. M., A.-G.: *See*—  
Pfaff, G. M., A.-G.: *See*—  
Benink, Christian J. M., Bungert, Clauss, Meissler, Schumann, and Schuster. 2,704,526.  
Meissler, Ludwig. 2,727,479.
- Pfaff, G. M., Aktiengesellschaft: *See*—  
Heimann, Willi. 2,724,355.
- Pfaff, Jacob E.: *See*—  
Ford, Tiley L., Shaw, Howell, Pfaff, and Rice. 2,704,309.
- Pfaff, James C.: *See*—  
Rawl, Ethradge F., and Pfaff. 2,709,726.
- Pfaff, Peter: *See*—  
Keller, Rudolf, Keyssner, and Pfaff. 2,702,300.
- Pfaffenberger, Erwin: *See*—  
Gossen, Hans, and Pfaffenberger. 2,699,087.
- Pfaffenberger, Edwin, to P. Gossen & Co. G. m. b. H. 2,714,329, Cl. 88—23.
- Pfaffenberger, Erwin, H. Poppa, and K. Goetz, to P. Gossen & Co. G. m. b. H. 2,706,428, Cl. 88—23.
- Pfalzgraf, Ross M., and F. H. Holman, Jr., to American Viscose Corp. 2,699,230, Cl. 183—83.
- Pfann, William G., to Bell Telephone Laboratories, Inc. 2,717,342, Cl. 317—235.
- Pfann, William G., and H. C. Theuerer, to Bell Telephone Laboratories, Inc. 2,701,326, Cl. 317—235.
- Pfanstiehl Chemical Corp.: *See*—  
John, Robert S. 2,700,089.
- Pfarrwaller, Erwin, to Sulzer Freres, Societe Anonyme. 2,700,399, Cl. 139—92.
- Pfarrwaller, Erwin, to Sulzer Freres, Societe Anonyme. 2,702,054, Cl. 139—126.
- Pfarrwaller, Erwin, to Sulzer Freres, S. A. 2,715,422, Cl. 139—145.
- Pfarrwaller, Erwin, to Sulzer Freres, Societe Anonyme. 2,726,685, Cl. 139—126.
- Pfarrwaller, Erwin, to Sulzer Freres, Societe Anonyme. 2,728,359, Cl. 139—127.
- Pfau, Leo D. 2,705,159, Cl. 285—150.
- Pfaudler Co., The: *See*—  
Greene, Otto W. 2,714,024.  
Johnston, Harold S. 2,714,349.  
Sanford, Elbert A. 2,714,470.  
Sanford, Elbert A. 2,725,159.  
Stigler, Joseph T. 2,725,169.
- Pfaus, Andrew J. 2,720,396, Cl. 272—83.
- Pfaus, Andrew J. 2,724,592, Cl. 272—58.
- Pfeffer, William E., to P. Mood, L. Void, and W. E. Pfeffer, co-partners, trading under the name of The Electro-Mechanical Instrument Co. 2,710,377, Cl. 324—146.
- Pfeferle, George H., and R. E. Burns, to Dresser Industries, Inc. 2,721,091, Cl. 288—11.
- Pfeifer, Charles W., to General Electric Co. 2,704,748, Cl. 260—37.
- Pfeifer, Charles W., and R. M. Savage, to General Electric Co. 2,713,564, Cl. 260—37.
- Pfeiffer, Elizabeth L.: *See*—  
Rebstock, Mildred C., and Pfeiffer. 2,717,268.
- Pfeiffer, Erna: *See*—  
Schultze, Kurt H. 2,705,946.  
Schultz, Kurt. 2,722,212.
- Pfeiffer, Frank F., to The Reynolds & Reynolds Co. 2,722,436, Cl. 282—29.
- Pfeiffer, George S., to Stewart-Warner Corp. 2,712,232, Cl. 73—66.
- Pfeiffer, Henry A. 2,718,416, Cl. 287—52.08.
- Pfeiffer, Max: *See*—  
Maul, Michael, and Pfeiffer. 2,703,142.  
Pfeiffer, Max A. 2,725,870, Cl. 124—41.
- Pfeiffer, William C. 2,720,050, Cl. 43—96.
- Pfeifle, Fred J. 2,726,718, Cl. 164—19.
- Pfingsten, Albert A. 2,715,177, Cl. 219—39.
- Pfister, Frederick W. 2,710,571, Cl. 97—61.
- Pfister, Hans: *See*—  
Meyer, Konrad, and Pfister. 2,725,926.
- Pfister, Karl, III, and W. J. Leanza, to Merck & Co., Inc. 2,708,202, Cl. 260—397.45.
- Pfister, Karl, III, and M. Tishler, to Merck & Co., Inc. 2,715,626, Cl. 260—285.
- Pfister, Pierre F., to Societe Industrielle de Sonceboz S. A. 2,702,461, Cl. 64—28.
- Pfisterer, Richard. 2,708,338, Cl. 58—90.
- Pfistershamer, Joseph. 2,702,103, Cl. 189—26.
- Pfitzner, George W. 2,716,165, Cl. 200—61.05.
- Pfitzner, Helmut: *See*—  
Federkiel, Wilhelm, Pfitzner, and Baumann. 2,726,920.
- Pfitzner, Helmut, and O. Kaufmann, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,708,193, Cl. 260—147.
- Pfizer, Chas., & Co., Inc.: *See*—  
Bavley, Abraham, and Knuth. 2,706,202.  
Bavley, Abraham, and Timreck. 2,702,262.  
Celmer, Walter D. 2,703,328.  
Laubach, Gerald D. 2,708,651.  
Luther, Herbert G. 2,703,285.  
Maxwell, Charles E., and Salivar. 2,715,625.  
Pasternack, Richard, and Bavley. 2,700,058.  
Salivar, Charles J., and Brown. 2,719,149.  
Shull, Gilbert M., Kita, and Davisson. 2,702,812.  
Shull, Gilbert M., Sardinas, and Routien. 2,721,163.  
Sumner, Oscar R., and Grenfell. 2,725,336.  
Umbdenstock, Robert R. 2,727,892.



- Pflasterer, James L., to Ethyl Corp. 2,714,190, Cl. 324—32.  
 Pfeiffer, Kenneth W., to Bell Telephone Laboratories, Inc. 2,700,133, Cl. 324—57.  
 Pfeiffer, Kenneth W. 2,725,788, Cl. 88—39.  
 Pfeider, Ronald E., to Franklin Transformer Mfg. Co. 2,724,906, Cl. 34—75.  
 Pfost, Leland. 2,720,799, Cl. 76—114.  
 Pfullman, Leroy A. 2,698,601, Cl. 119—98.  
 Pfullman, Leroy A. 2,724,605, Cl. 292—36.  
 Phalen, Lawrence R. 2,728,058, Cl. 339—75.  
 Phares, Robert D., to Savage Mfg. Co. 2,716,350, Cl. 74—217.  
 Pharis, William W.: *See*—  
   Elliott, George, and Pharis. 2,702,831.  
   Elliott, George, and Pharis. 2,707,725.  
   Elliott, George, and Pharis. 2,707,728.  
   Kessler, Frank, and Pharis. 2,726,284.  
 Pharis, William W., to Stromberg-Carlson Co. 2,701,278, Cl. 179—7.  
 Pharis, William W., to Stromberg-Carlson Co. 2,702,314, Cl. 179—7.1.  
 Pharis, William W., to Stromberg-Carlson Co. 2,702,832, Cl. 179—27.  
 Pharis, William W., to Stromberg-Carlson Co. 2,704,787, Cl. 179—27.  
 Pharis, William W., to Stromberg-Carlson Co. 2,706,750, Cl. 179—27.  
 Pharis, William W., to Stromberg-Carlson Co. 2,707,727, Cl. 179—18.  
 Pharis, William W., to Stromberg-Carlson Co. 2,709,718, Cl. 179—18.  
 Pharis, William W., to Stromberg-Carlson Co. 2,713,089, Cl. 179—27.  
 Pharis, William W., to Stromberg-Carlson Co. 2,715,159, Cl. 179—18.  
 Pharis, William W., to Stromberg-Carlson Co. 2,715,160, Cl. 179—27.  
 Pharis, William W., to Stromberg-Carlson Co. 2,717,923, Cl. 179—18.  
 Pharis, William W., to General Dynamics. 2,721,902, Cl. 179—18.  
 Pharis, William W., to Stromberg-Carlson Co. 2,725,426, Cl. 179—16.  
 Pharis, William W., to General Dynamics Corp. 2,725,429, Cl. 179—27.  
 Pharis, William W., and L. H. Reagan, to Stromberg-Carlson Co. 2,700,069, Cl. 179—6.3.  
 Ph. Kurtz Eisenwerk: *See*—  
   Beer, Julius. 2,705,024.  
 Pharma-Craft Corp., The: *See*—  
   Teiler, W. Kedzie, and St. Germain. 2,701,163.  
 Phebus, Carey M.,  $\frac{1}{2}$  to D. S. Manuel. 2,724,522, Cl. 214—672.  
 Phelan, George A., to Bendix Aviation Corp. 2,718,618, Cl. 322—24.  
 Phelan, James M.: *See*—  
   Popkin, Alexander H., and Phelan. 2,721,879.  
   Waddey, Walter E., Phelan, and Rogers. 2,703,318.  
 Phelon, Russell E. 2,710,929, Cl. 310—70.  
 Phelps, Allen S., S. A. Muller, and J. R. D. McCormick, to American Cyanamid Co. 2,700,635, Cl. 167—81.  
 Phelps, Charles H. 2,704,497, Cl. 97—47.53.  
 Phelps, Clyde H., to J. P. Welch. 2,721,474, Cl. 73—66.  
 Phelps Dodge Copper Products Corp.: *See*—  
   Merrell, Edwin J. 2,713,081.  
 Phelps Dodge Corp.: *See*—  
   Osborn, William H. 2,699,387.  
   Osborn, William H. 2,715,062.  
 Phelps, Glenn. 2,701,918, Cl. 33—80.  
 Phelps, James C., and E. R. Shenk, to Radio Corp. of America. 2,712,037, Cl. 178—17.  
 Phelps, William H. 2,726,503, Cl. 56—25.4.  
 Phenning, John H.: *See*—  
   Nilson, Harold, and Phenning. 2,708,882.  
 Philadelphia Gear Works, Inc.: *See*—  
   Kron, Harold O., and Ball. 2,703,991.  
 Philadelphia Valve Co.: *See*—  
   Jensen, James A. 2,700,559.  
 Philbrick, Frank H. 2,698,674, Cl. 188—86.  
 Philbrook, Donald W. 2,722,411, Cl. 265—40.  
 Philco Corp.: *See*—  
   Bell, Richard A. 2,727,140.  
   Blayney, James L. 2,701,850.  
   Blayney, James L. 2,716,231.  
   Boothroyd, Wilson P. 2,708,716.  
   Bowman, John M. 2,706,774.  
   Bradley, William E. 2,713,605.  
   Bradley, William E. 2,714,710.  
   Bryan, James S. 2,715,155.  
   Clark, Edward G. 2,703,341.  
   Creamer, Edgar M., Jr. 2,723,306.  
   Farrow, Frederick R., Jr., and Bender. 2,698,902.  
   Fite, Wade L., and Rittmann. 2,712,087.  
   Harman, Emil I. 2,711,711.  
   Ishler, Harry K., and Grabiec. 2,704,169.  
   Kennedy, Gilbert J. 2,720,117.  
   Lewinter, Sidney W. 2,711,479.  
   Mocey, Walter G. 2,707,871.  
   Munster, Allen C. 2,717,358.  
   Ogletree, William A. 2,717,311.  
   Ostapovich, Peter L. 2,713,133.  
   Rudolph, William E. 2,722,669.  
   Schaefer, Harold W. 2,700,532.  
   Scofield, Donald W. 2,727,133.  
   Scofield, Donald W., and Schaefer. 2,702,848.  
 Philco Corp.: *See*—Continued.  
   Shoemaker, Malcolm G. 2,706,894.  
   Smith, David B. 2,716,151.  
   Smith, Helen E. 2,713,776.  
   Spafford, Ralph W. 2,709,237.  
   Staebler, Lloyd A. 2,712,437.  
   Staebler, Lloyd A., and Phillips. 2,710,508.  
   Sunstein, David E. 2,700,156.  
   Sunstein, David E. 2,702,371.  
   Sunstein, David E. 2,705,794.  
   Sunstein, David E. 2,718,000.  
   Sunstein, David E. 2,728,075.  
   Terry, Matson C., and Kramer. 2,713,247.  
   Valdes, Sergio F. 2,725,421.  
   Zearfoss, Elmer W., Jr. 2,705,876.  
   Zearfoss, Elmer W., Jr. 2,709,342.  
   Zearfoss, Elmer W., Jr., and Reichardt. 2,709,900.  
   Zearfoss, Elmer W., Jr. 2,719,407.  
 Philero, James, to The Englander Co., Inc. 2,698,444, Cl. 5—263.  
 Philipp, Lawrence A., to Nash-Kelvinator Corp. 2,703,442, Cl. 20—35.  
 Philipp, Lawrence A., to Nash-Kelvinator Corp. 2,708,348, Cl. 62—4.  
 Philipp, Lawrence A., to Nash-Kelvinator Corp. 2,720,759, Cl. 62—103.  
 Philipp, Lawrence A., to Nash-Kelvinator Corp. 2,727,362, Cl. 62—6.  
 Philipp, Otto M., to The National Cash Register Co. 2,701,100, Cl. 235—138.  
 Philippi, John: *See*—  
   Davis, Robert P., and Philippi. 2,700,583.  
   Fullwood, Edward F., and Philippi. 2,709,420.  
 Phillips, Thomas E., to Owens-Corning Fiberglas Corp. 2,723,209, Cl. 117—126.  
 Philipson, Stanley J. 2,707,228, Cl. 240—52.5.  
 Phillips, Albert R.: *See*—  
   Yow, William P., Jr., and Phillips. 2,717,706.  
 Phillips, Arthur P.: *See*—  
   Castillo, Julio C., and Phillips. 2,723,939.  
 Phillips, Benjamin: *See*—  
   Frostick, Frederick C., Jr., and Phillips. 2,716,123.  
 Phillips, Benjamin. 2,708,446, Cl. 134—93.  
 Phillips, Benjamin A.: *See*—  
   Ashby, Carl T., and Phillips. 2,717,499.  
 Phillips, Clifton H., to Shell Development Co. 2,727,779, Cl. 294—99.  
 Phillips, Curt M. 2,718,744, Cl. 56—158.  
 Phillips, Dean O.: *See*—  
   North, Harold D., Jr., and Phillips. 2,706,133.  
 Phillips, Edward V., and L. J. Berman, to Hughes Aircraft Co. 2,725,554, Cl. 343—11.  
 Phillips, Edwin W.: *See*—  
   Fessler, Frank. 2,714,573.  
 Phillips, Ernest L. 2,710,451, Cl. 33—9.  
 Phillips, Frank: *See*—  
   Ackerman, Charles, and Phillips. 2,706,338.  
 Phillips, Frank M. 2,716,039, Cl. 292—163.  
 Phillips, Fred C. 2,722,757, Cl. 36—59.  
 Phillips, George C. 2,724,466, Cl. 189—43.  
 Phillips, Glenn M., to The Refinite Corp. 2,705,608, Cl. 251—30.  
 Phillips, Harold P., to Hastings Mfg. Co. 2,712,971, Cl. 309—45.  
 Phillips, Harold P., to Hastings Mfg. Co. 2,717,525, Cl. 80—5.1.  
 Phillips, Harry. 2,709,554, Cl. 242—84.4.  
 Phillips, Herbert: *See*—  
   Staebler, Lloyd A., and Phillips. 2,710,508.  
 Phillips, John E.: *See*—  
   Hunter, Alfred W., and Phillips. 2,709,856.  
 Phillips, John J., to Titeflex, Inc. 2,700,140, Cl. 339—94.  
 Phillips, John J., to Titeflex, Inc. 2,722,437, Cl. 285—72.  
 Phillips, John K., to The Goodyear Tire & Rubber Co. 2,712,170, Cl. 26—1.  
 Phillips, Lewis F. 2,710,733, Cl. 248—164.  
 Phillips Mfg. Co., Inc.: *See*—  
   Wolf, Louis L. 2,699,485.  
 Phillips, Marshall W. 2,711,284, Cl. 230—104.  
 Phillips, Michael D., to The Haloid Co. 2,711,481, Cl. 250—65.  
 Phillips, Milton P.: *See*—  
   Sprung, Abraham, and Phillips. 2,723,410.  
 Phillips, Norman W. F.: *See*—  
   Hartwick, Elbert F., Miners, and Phillips. 2,698,777.  
 Phillips, Norman W. F., B. Rapson, and E. A. Hollingshead, to Aluminum Laboratories Ltd. 2,723,911, Cl. 75—68.  
 Phillips, Paul L. 2,698,688, Cl. 211—33.  
 Phillips Petroleum Co.: *See*—  
   Arnold, Philip M. Re. 24,038.  
   Axe, William N. 2,716,113.  
   Axe, William N. 2,723,220.  
   Axe, William N., and Whitney. 2,702,819.  
   Barton, Hugh M., Jr. 2,699,836.  
   Bearer, Louis C. 2,714,059.  
   Bearer, Louis C. 2,724,618.  
   Bearer, Louis C. 2,727,792.  
   Bearer, Louis C., and Goins. 2,726,996.  
   Berger, Donald E. 2,709,678.  
   Bethae, Charles F., Pollock, and Wood. 2,717,658.  
   Blair, Allen H. 2,728,231.  
   Bliss, Jack E., and Joseph. 2,715,450.  
   Bobo, Roy A. 2,703,532.  
   Box, E. O., Jr. 2,712,559.



Phillips Petroleum Co.: *See*—Continued.

Bresee, Dick P. 2,705,699.  
 Bridgeman, Oscar C. 2,718,753.  
 Britton, Sylvester C. 2,698,511.  
 Britton, Sylvester C., and Schirmer. 2,698,510.  
 Britton, Sylvester C., and Schirmer. 2,698,513.  
 Britton, Sylvester C., and Schirmer. 2,702,984.  
 Bubb, Frank W. 2,713,457.  
 Buell, Charles K., and Clark. 2,699,986.  
 Burleigh, John E., and Fauske. 2,702,798.  
 Carney, Samuel C. 2,703,494.  
 Cines, Martin R. 2,699,422.  
 Cines, Martin R. 2,703,818.  
 Cines, Martin R., and Krejci. 2,714,055.  
 Clark, Alfred. 2,706,211.  
 Clark, Joseph W. 2,702,236.  
 Cottle, John E. 2,713,775.  
 Crawford, Francis W. 2,724,304.  
 Crouch, Willie W., and Louthan. 2,720,543.  
 Cruzan, Charles G. 2,707,776.  
 De Boisblanc, Deslonde R. 2,702,476.  
 De Boisblanc, Deslonde R. 2,703,493.  
 De Boisblanc, Deslonde R., and Marsden. 2,728,836.  
 Dees, Asa C. 2,720,509.  
 Ehrler, John W. 2,711,824.  
 Fanning, Robert J. 2,721,851.  
 Filson, Rogers C. 2,718,795.  
 Findlay, Robert A. 2,717,229.  
 Findlay, Robert A. 2,719,818.  
 Findlay, Robert A. 2,724,731.  
 Findlay, Robert A. 2,726,998.  
 Fox, Homer M. 2,698,541.  
 Fox, Homer M. 2,712,726.  
 Fox, Homer M., and Britton. 2,712,497.  
 Gilmore, Forrest E. 2,710,278.  
 Gilmore, Forrest E. 2,719,206.  
 Goetz, Louis P. 2,703,491.  
 Goins, Robert R. 2,719,873.  
 Goodhue, Lyle D., and Stansbury. 2,704,244.  
 Goodhue, Lyle D., and Tissol. 2,704,246.  
 Goodhue, Lyle D., and Tissol. 2,723,910.  
 Goodhue, Lyle D., and Tissol. 2,726,980.  
 Harbison, Lynn. 2,717,914.  
 Harbison, Lynn. 2,727,014.  
 Haskell, Donald M. 2,716,120.  
 Hayes, Victor L., Jr., and Hamlin. 2,704,973.  
 Hays, George E. 2,702,238.  
 Heller, Frank J. 2,709,715.  
 Hillyer, John C. 2,720,497.  
 Hoag, Edward H. 2,706,192.  
 Hutchins, Joseph W. 2,720,594.  
 Hutchins, Joseph W., and Crawford. 2,706,253.  
 Iske, James E. 2,726,335.  
 Jones, Jean P. 2,708,664.  
 Jones, Rufus V. 2,714,605.  
 Kangas, Charles H. 2,722,123.  
 Kilpatrick, Myron O. 2,699,380.  
 Kilpatrick, Myron O. 2,701,181.  
 Kilpatrick, Myron O. 2,702,133.  
 Kilpatrick, Myron O. 2,727,765.  
 King, William R. 2,699,381.  
 King, William R. 2,722,995.  
 Kleiss, Louis D. Re. 23,999.  
 Kleiss, Louis D., and Marwil. 2,715,647.  
 Lanning, William C., and Wilson. 2,715,603.  
 Little, Donald M. 2,702,782.  
 Lynch, Charles S. 2,714,586.  
 Mahan, John E. 2,698,848.  
 Mahan, John E. 2,703,804.  
 Mahan, John E. 2,706,730.  
 Mahan, John E. 2,728,770.  
 Malick, Emil A. 2,719,583.  
 Malick, Emil A. 2,721,890.  
 Malick, Emil A., and de Boisblanc. 2,715,715.  
 Marsden, Ross S., Jr., and de Boisblanc. 2,701,832.  
 Marsden, Ross S., Jr., and de Boisblanc. 2,710,899.  
 Maryland, Bertrand J. 2,716,053.  
 Mayland, Bertrand J. 2,719,107.  
 McCarthy, John W. 2,708,983.  
 McCollom, Kenneth A., and de Boisblanc. 2,715,832.  
 McIntire, Robert L. 2,699,987.  
 Miller, Elmer C. 2,703,844.  
 Montgomery, Orin C. 2,707,524.  
 Nisle, Robert G. 2,718,145.  
 Owen, James R. 2,700,061.  
 Pankratz, Howard J. 2,718,143.  
 Pankratz, Howard J. 2,718,339.  
 Peterson, Glen. 2,700,753.  
 Peterson, Glen. 2,724,819.  
 Piety, Raymond G. 2,709,365.  
 Piety, Raymond G. 2,712,415.  
 Piety, Raymond G. 2,721,617.  
 Piety, Raymond G., and McMillan. 2,718,449.  
 Pouppirt, Walter C., Jr. 2,721,578.  
 Prentiss, Spencer S. 2,703,960.  
 Pritchard, James E. 2,702,763.  
 Pryor, Robert C. 2,725,014.  
 Rothlisberger, Alvin C., and Ura-neck. 2,720,510.  
 Rush, Elton E. 2,707,484.  
 Ryan, Martin A. 2,707,378.  
 Schirmer, Robert M., and Britton. 2,698,512.  
 Schulze, Walter A. 2,706,184.  
 Schulze, Walter A., and Crouch. 2,721,185.  
 Scott, Cleveland R. 2,714,114.

Phillips Petroleum Co.: *See*—Continued.

Seefuth, Charles L. 2,719,021.  
 Shelton, Russell O., and Dale. 2,724,682.  
 Stansbury, Roy E., and Goodhue. 2,701,224.  
 Stark, Christopher P. 2,723,221.  
 Stark, Christopher P. 2,723,222.  
 Stewart, S. Grant. 2,719,130.  
 Studebaker, Merton L. 2,702,747.  
 Sullivan, Herbert M., Jr., and Acker. 2,708,084.  
 Swanson, Herman A., Jr. 2,709,539.  
 Tilley, Aubra E. 2,713,620.  
 Weedman, John A., and Huddleston. 2,700,664.  
 Whitney, William B. 2,710,303.  
 Wicklatz, John E. 2,719,139.  
 Wood, James Q. 2,719,135.  
 Phillips, Ray G. 2,713,459, Cl. 236—20.  
 Phillips, Raymond A., to Protector Products Inc. 2,701,584, Cl. 138—96.  
 Phillips, Robert A.: *See*—  
   Lindsay, Will H., Jr., and Phillips. 2,707,917.  
 Phillips, Robert M., to Aluminum Co. of America. 2,715,474, Cl. 215—40.  
 Phillips, Virgel E., and W. H. Unger, to General Electric Co. 2,709,735, Cl. 200—144.  
 Phillips, William K. 2,722,062, Cl. 36—1.  
 Philp, James R., to General Electric Co. 2,725,034, Cl. 118—500.  
 Philpott, La Verne R., to Radar Inc. 2,714,163, Cl. 250—36.  
 Phinn, George A. 2,717,011, Cl. 144—93.  
 Phinney, Frederick G., and E. B. Arnold, Jr., to General Motors Corp. 2,709,102, Cl. 292—336.3.  
 Phinney, John A., to Pittsburgh Consolidation Coal Co. 2,709,675, Cl. 202—23.  
 Phinney, Robert M.: *See*—  
   Judge, Thomas J., and Phinney. 2,700,727.  
 Phipps, Cornelius M., to Marathon Corp. 2,721,023, Cl. 229—62.  
 Phipps, Cornelius M., to Marathon Corp. 2,722,365, Cl. 229—40.  
 Phipps, John D. B.: *See*—  
   Drigenko, Constantine, and Phipps. 2,723,030.  
 Phoenix Closet Accessories, Inc.: *See*—  
   Marks, Saul H. 2,710,036.  
 Phoenix Gage Co.: *See*—  
   Seusa, Lino. 2,712,372.  
 Photostat Corp.: *See*—  
   Caps, Arthur W. 2,721,078.  
   Caps, Arthur W., and Webber. 2,705,907.  
 Phreaner, Ellis H. 2,705,536, Cl. 168—14.  
 Phreaner, Ellis H.,  $\frac{1}{2}$  to H. C. White. 2,720,004, Cl. 18—55.  
 Phreaner, Ellis H.,  $\frac{1}{2}$  to H. C. White. 2,720,495, Cl. 260—29.1.  
 Phrix-Werke Aktiengesellschaft: *See*—  
   Torke, Erich, Koch, and Diem. 2,698,489.  
 Phyfe, James D.: *See*—  
   Byrd, John F., and Phyfe. 2,722,570.  
 Phyl, Joseph, to Research Corp. 2,709,497, Cl. 183—7.  
 Phyl, Joseph, to Research Corp. 2,713,920, Cl. 183—7.  
 Phys-Chemical Research Corp.: *See*—  
   Pope, Martin. 2,728,831.  
 Physiological Chemicals Co.: *See*—  
   Ruskin, Simon L. 2,710,860.  
 Piana, Angelo. 2,716,916, Cl. 84—360.  
 Piantanida, Joseph. 2,727,649, Cl. 220—10.  
 Piatt Products Corp.: *See*—  
   Andrews, Henry. 2,701,295.  
 Piazza, Vincent. 2,705,841, Cl. 34—91.  
 Piazza, Thomas E., to Continental Can Co., Inc. 2,718,915, Cl. 154—18.  
 Piazza, Thomas E., to Continental Can Co., Inc. 2,720,246, Cl. 154—42.  
 Pica, Daniel,  $\frac{1}{2}$  to F. Kemptner. 2,727,679, Cl. 230—124.  
 Picand, Roland A.: *See*—  
   Tenot, André L., and Picand. 2,714,946.  
 Picanol, Jaime. 2,700,990, Cl. 139—232.  
 Picanol, Jaime. 2,705,022, Cl. 139—1.  
 Picanol, Jaime. 2,705,504, Cl. 139—1.  
 Picanol, Jaime. 2,715,423, Cl. 139—188.  
 Picanol, Jaime. 2,719,540, Cl. 139—312.  
 Picard, John B., to The National Supply Co. 2,710,087, Cl. 192—88.  
 Piccard, John A.: *See*—  
   Graham, Boynton, and Piccard. 2,715,588.  
   Graham, Boynton, and Piccard. 2,715,591.  
 Pichler, Joseph R., to General Motors Corp. 2,705,875, Cl. 62—89.5.  
 Pick, Hans. 2,720,873, Cl. 123—79.  
 Pick, Kenneth B. 2,711,051, Cl. 46—6.  
 Pickands Mather & Co.: *See*—  
   Herkenhoff, Earl C. 2,710,691.  
 Pickard, Albert F., to E. J. Longyear Co. 2,716,539, Cl. 255—1.6.  
 Pickard, Edgar C., and R. G. Warren. 2,728,473, Cl. 214—315.  
 Pickard, Henry M. H. 2,706,999, Cl. 137—584.  
 Pickens, Julius A. 2,711,740, Cl. 128—349.  
 Pickens, Roy A., and R. C. Forbes, to American Cyanamid Co. 2,723,750, Cl. 209—211.  
 Picker X-Ray Corp., Waite Mfg. Div. Inc.: *See*—  
   Goldfield, Edwin R., and Stava. 2,707,662.  
   Goldfield, Edwin R., Stava, and Bastin. 2,720,595.  
   Stava, Robert J., and Barrett. 2,726,337.  
 Pickering, Ian J., to The General Electric Co. Ltd. 2,708,229, Cl. 219—8.



- Pickering, Paul A. 2,717,450, Cl. 33—169.  
 Pickert, Lynn I., and H. N. Sudduth, to The New York Air Brake Co. 2,725,261, Cl. 303—68.  
 Pickford, George, to United Shoe Machinery Corp. 2,725,581, Cl. 12—46.  
 Picking, Jay W.: *See*—  
 Shrider, Kenneth L., and Picking. 2,720,621.  
 Pickles, Sidney B., to International Telephone and Telegraph Corp. 2,715,727, Cl. 343—106.  
 Pickren, James H. 2,720,903, Cl. 150—35.  
 Pickren, James H. 2,721,342, Cl. 9—8.3.  
 Picot, Lucien, and Y. Martin, to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain. 2,707,676, Cl. 71—39.  
 Picture Recording Co.: *See*—  
 Musebeck, George E., and Resch. 2,720,137.  
 Pidacks, Charles, to American Cyanamid Co. 2,720,727, Cl. 47—58.  
 Pidgeon, Joseph A., to The Budget Press. 2,705,587, Cl. 229—8.5.  
 Pidoux, Robert, to Ateliers de Construction Oerlikon. 2,721,958, Cl. 315—52.  
 Piedmont Hosiery Mills, Inc.: *See*—  
 Stevens, Fred K., and Davis. 2,728,210.  
 Piel, Gerard J. R., to Societe d'Electronique et d'Automatisme. 2,722,601, Cl. 250—27.  
 Pien, Hsia-Si, to Wilkening Mfg. Co. 2,713,527, Cl. 309—45.  
 Pienaar, Theunis M. S. 2,702,664, Cl. 230—108.  
 Pieper, Alphonse F. 2,706,604, Cl. 242—157.  
 Pieper, Alphonse F. 2,715,272, Cl. 32—22.  
 Pieper, George E.: *See*—  
 Pieper, Ruth A. and G. E. 2,715,240.  
 Pieper, George E. 2,725,592, Cl. 17—8.  
 Pieper, Josef H., to Hercules Powder Co. 2,718,528, Cl. 260—566.  
 Pieper, Ruth A. and G. E., to Electrolux Corp. 2,715,240, Cl. 15—415.  
 Piepho, Harvey L.: *See*—  
 Brown, Kenneth R., Piepho, and Thomas. 2,706,162.  
 Pier, Mauricio: *See*—  
 Kahn, Julio, Pier, and MacKinney. 2,724,191.  
 Pierce, Albert D.: *See*—  
 Wagner, Frederick A., and Pierce. 2,700,624.  
 Pierce, Albert R. 2,725,224, Cl. 263—40.  
 Pierce, Clayton B., to Emerol Mfg. Co., Inc. 2,703,695, Cl. 248—312.  
 Pierce, Don F.: *See*—  
 Lynch, Edward A. 2,720,925.  
 Pierce, Donn: *See*—  
 Manchester, John A., and Pierce. 2,703,567.  
 Pierce, Firth: *See*—  
 Brettell, George A., Jr., and Pierce. 2,720,712.  
 Pierce, Frank L., to Aircraft-Marine Products, Inc. 2,715,764, Cl. 29—155.55.  
 Pierce Governor Co., Inc., The: *See*—  
 Bradnick, Le Roy V. 2,722,926.  
 Pierce, James B.: *See*—  
 Astle, Melvin J., and Pierce. 2,725,383.  
 Pierce, John B., Foundation: *See*—  
 Cataldo, John B. 2,700,752.  
 Da Fano, Ettore. 2,726,213.  
 Pierce, John R., to Bell Telephone Laboratories, Inc. Re. 24,070, Cl. 250—27.  
 Pierce, John R., to Bell Telephone Laboratories, Inc. 2,707,759, Cl. 315—3.6.  
 Pierce, John R., to Bell Telephone Laboratories, Inc. 2,708,236, Cl. 250—15.  
 Pierce, John R., to Bell Telephone Laboratories, Inc. 2,719,187, Cl. 179—15.  
 Pierce, John R., to Bell Telephone Laboratories, Inc. 2,719,188, Cl. 179—15.  
 Pierce, Raymond B.: *See*—  
 Chandler, James D., and Pierce. 2,727,257.  
 Pierce, Raymond C. 2,713,484, Cl. 267—57.  
 Pierce, Raymond T., to Weston Electrical Instrument Corp. 2,721,480, Cl. 73—353.  
 Pierce, Robert E.: *See*—  
 Ottinger, August F., and Pierce. 2,712,843.  
 Pierce, Roger J., to the United States of America as represented by the Secretary of the Army. 2,701,863, Cl. 333—81.  
 Pierce, Roger J., to Collins Radio Co. 2,710,959, Cl. 343—12.  
 Pierce, Wilford F. 2,711,233, Cl. 189—75.  
 Pierce, William J., to Houdaille-Hershey Corp. 2,700,020, Cl. 204—52.  
 Piermatteo, Charles T. 2,712,589, Cl. 219—40.  
 Pierotti, Charles T., to Ajax Iron Works. 2,726,887, Cl. 287—20.  
 Pierotti, William L.: *See*—  
 Flickinger, Lester, and Pierotti. 2,704,447.  
 Pierson, Ernest. 2,700,801, Cl. 20—52.  
 Pierson, Merlin G. 2,725,268, Cl. 311—62.  
 Pierson, Sidney A.: *See*—  
 Hattan, Mark. 2,712,912.  
 Piesbergen, Norman R.: *See*—  
 Blake, Edward S., and Piesbergen. 2,710,259.  
 Piester, Loyd W., to Columbia-Southern Chemical Corp. 2,724,003, Cl. 260—650.  
 Pietenpol, William J., to Bell Telephone Laboratories, Inc. 2,711,511, Cl. 324—71.  
 Pietraszek, Thaddeus A.: *See*—  
 Martin, Frank S., Pietraszek, and Dornik. 2,728,576.  
 Pietroroia, Dominic. 2,718,431, Cl. 298—22.  
 Pietsch, Helmut, to Henkel & Cie., G. m. b. H. 2,708,198, Cl. 260—327.  
 Pietsch, Helmut, and H. Nagel, to Henkel & Cie. G. m. b. H. 2,708,200, Cl. 260—327.  
 Pietsch, Joseph A., to General Electric Co. 2,700,978, Cl. 134—186.  
 Piety, Raymond G., to Phillips Petroleum Co. 2,709,365, Cl. 73—155.  
 Piety, Raymond G., to Phillips Petroleum Co. 2,712,415, Cl. 235—61.  
 Piety, Raymond G., to Phillips Petroleum Co. 2,721,617, Cl. 181—5.  
 Piety, Raymond G., and F. L. McMillan, Jr., to Phillips Petroleum Co. 2,718,449, Cl. 346—33.  
 Pigeon-Hole Parking, Inc.: *See*—  
 Sanders, Leo K. and V. A. Re. 23,962.  
 Sanders, Leo K. and V. A. 2,716,466.  
 Piggott, Morley W. 2,701,746, Cl. 312—215.  
 Pigott, Reginald J. S., to Gulf Research & Development Co. 2,716,914, Cl. 82—34.  
 Pike, Clinton B., Jr., and R. K. Daugherty, to R. M. Magnuson, d. b. a. Magnuson Engineers. 2,728,443, Cl. 198—30.  
 Pike, Robert D. 2,704,239, Cl. 23—64.  
 Pike, Robert D. 2,704,702, Cl. 23—31.  
 Piker, Herbert M., and W. L. Schultz, to The Hamilton Metal Products Co. 2,717,469, Cl. 43—56.  
 Pikus, Frank J., to United States Steel Corp. 2,705,138, Cl. 266—43.  
 Pilas, Frank J., to Radio Corp. of America. 2,706,232, Cl. 219—4.  
 Pilas, Frank J., to Radio Corp. of America. 2,721,374, Cl. 29—25.19.  
 Pilblad, Eric J., to L. and A. Obstfeld. 2,726,391, Cl. 1—3.  
 Pilch, John S. 2,709,859, Cl. 37—144.  
 Pilch, John S. 2,717,655, Cl. 180—53.  
 Pilch, John S. 2,717,704, Cl. 214—147.  
 Pilch, John S. 2,718,312, Cl. 212—66.  
 Pilch, John S. 2,719,641, Cl. 214—510.  
 Pilch, John S. 2,722,102, Cl. 60—52.  
 Pile, Benjamin D. 2,705,762, Cl. 310—104.  
 Pilger, Paul J. 2,719,388, Cl. 51—74.  
 Pilia, Frank J., to Union Carbide and Carbon Corp. 2,710,902, Cl. 219—10.  
 Piliero, James, to The Englander Co., Inc. 2,714,730, Cl. 5—252.  
 Pilkington Brothers Ltd.: *See*—  
 Barnes, Philip C., and Cook. 2,720,060.  
 Barradell-Smith, Richard. 2,717,474.  
 Denlow, Peter M. 2,705,390.  
 Jones, Harold G. 2,719,390.  
 Touvey, Robert. 2,709,875.  
 Wilcock, John E. 2,710,492.  
 Wynne, Hubert C. 2,712,923.  
 Pillar, John E. 2,719,020, Cl. 251—4.  
 Pillemer, Louis, to Western Reserve University. 2,701,226, Cl. 167—78.  
 Pilling Chain Co.: *See*—  
 Lawson, Birdsall P. 2,723,446.  
 Lawson, Birdsall P. 2,723,447.  
 Pilling, Rex L.: *See*—  
 Bartlett, Woodrow W., and Pilling. 2,718,628.  
 Pillow, Benjamin M. 2,722,209, Cl. 123—185.  
 Pillsbury Mills, Inc.: *See*—  
 Brabender, Carl W. 2,712,209.  
 Brabender, Carl W., and Coyne. 2,709,914.  
 Harrel, Chastain G., and Lincoln. 2,715,580.  
 Pilot Full-Fashion Mills, Inc.: *See*—  
 Garrou, Louis W., and Pons. 2,706,389.  
 Piltz, Erich, to W. W. Lenkeit. 2,708,355, Cl. 66—96.  
 Piltz, Erich, to W. W. Lenkeit. 2,710,529, Cl. 66—127.  
 Pinatelli, Thomas. 2,716,976, Cl. 126—116.  
 Pinaud Foot Research: *See*—  
 Pinaud, John A. 2,717,461.  
 Pinaud, John A., deceased: H. Burbank, administratrix, to Pinaud Foot Research. 2,717,461, Cl. 36—35.  
 Pincott, James S. 2,713,704, Cl. 22—57.  
 Pincott, John: *See*—  
 Wallis, Albert E., and Pincott. 2,726,144.  
 Pincus, Alexis G., to American Optical Co. 2,716,069, Cl. 106—47.  
 Pindzola, Michael, and R. W. Gamage, to United Aircraft Corp. 2,721,476, Cl. 73—147.  
 Pine, Cecil C., to The Sperry Corp. 2,709,053, Cl. 244—77.  
 Pines, Herman, to Universal Oil Products Co. 2,721,870, Cl. 260—332.3.  
 Pines, Herman, and V. N. Ipatieff, to Universal Oil Products Co. 2,706,208, Cl. 260—668.  
 Pines, Herman, and V. N. Ipatieff, deceased (by V. Haensel, H. Pines, and V. Kibort, executors), to Universal Oil Products Co. 2,721,885, Cl. 260—668.  
 Pines, Herman, and V. N. Ipatieff, deceased (by V. Haensel, H. Pines, and V. Kibort, executors), to Universal Oil Products Co. 2,721,886, Cl. 260—668.  
 Pines, Herman, and V. N. Ipatieff, deceased (by V. Haensel, H. Pines, and V. Kibort, executors), to Universal Oil Products Co. 2,721,887, Cl. 260—668.  
 Pinion, Thomas J., and J. D. Killough: said Pinion assor to said Killough. Re. 24,059, Cl. 16—153.  
 Pinion, Thomas J., and J. D. Killough: said Pinion assor to said Killough. 2,702,399, Cl. 16—153.  
 Pinkerton, Clarence A. 2,727,721, Cl. 254—134.3.  
 Pinkerton, Dale F.: *See*—  
 Hastrup, Herman, and Pinkerton. 2,723,498.  
 Pinkerton, Howard K., to Gardner-Denver Co. 2,727,469, Cl. 103—202.



- Pinkerton, Robert G., to United States Steel Corp. 2,710,796, Cl. 75—25.
- Pinkham, Newell W.: *See*—  
Bayrer, Orson D., and Pinkham. 2,714,840.
- Pinney, John M., to The Harker Pottery Co. 2,702,435, Cl. 34—105.
- Pinney, Paul O., 50% to H. Hinde. 2,702,921, Cl. 17—2.
- Pino, Manuel A., to California Research Corp. 2,702,817, Cl. 260—475.
- Pino, Piero: *See*—  
Natta, Giulio, and Pino. 2,699,445.
- Pinomaki, Lev: *See*—  
Morrison, Warren E. 2,713,159.
- Pinsuti, Giuseppe F. 2,704,616, Cl. 215—22.
- Pintell, Milton H., to Reynolds Metals Co. 2,711,380, Cl. 154—45.9.
- Pintsch Bamiag Aktiengesellschaft: *See*—  
Kegel, Johannes, and Wirth. 2,710,692.
- Pioneer Heddle and Reed Co., Inc.: *See*—  
Suchke, Frederick M. 2,707,495.
- Pioneer Parachute Co., Inc.: *See*—  
Gimalouski, Edward A., and Kowalski. 2,726,832.  
Heinrich, Helmut G. 2,703,212.  
MacMillan, Robert R. 2,718,369.
- Pioneer Rubber Co., The: *See*—  
Goodman, Earl W. 2,716,241.
- Pipe Machinery Co., The: *See*—  
Benninghoff, William L., and Thompson. 2,728,327.
- Pipico Corp.: *See*—  
Sullivan, Robert E. 2,721,147.
- Pipeline, Inc.: *See*—  
Curtis, Arvel C. 2,707,934.  
Curtis, Arvel C. 2,713,908.  
Curtis, Arvel C. 2,717,038.
- Pipe Linings, Inc.: *See*—  
Matheny, Francis M. 2,711,000.
- Piper, Charles A.: *See*—  
Herndon, Lee R., Jr., Piper, and Smith. 2,713,795.
- Piper, Charles A., to Bendix Aviation Corp. 2,717,370, Cl. 340—151.
- Piper, Frank R., to West Point Mfg. Co. 2,699,896, Cl. 235—92.
- Piper, Frank R., and J. M. Gardner, to West Point Mfg. Co. 2,710,438, Cl. 26—12.
- Piper, William W., to General Electric Co. 2,698,915, Cl. 315—362.
- Piper, William W., and P. D. Johnson, to General Electric Co. 2,721,950, Cl. 313—108.
- Piperoux, Rene P., and R. T. Armstrong, to Celanese Corp. of America. 2,717,418, Cl. 18—8.
- Piperoux, Rene P., and J. N. Birmingham, to Celanese Corp. of America. 2,718,362, Cl. 242—56.
- Pipes, George R.: *See*—  
Gamundi, Reynold F., Pipes, and Schwendler. 2,720,999.
- Pipes, George R., and H. J. Findley, to Eaton Mfg. Co. 2,717,179, Cl. 301—37.
- Pipher, George J., to Willson Products, Inc. 2,708,932, Cl. 128—146.
- Piping Specialties, Inc.: *See*—  
Sherbrooke, Walter A. 2,713,982.
- Pipkin, Marvin, to General Electric Co. 2,726,527, Cl. 67—31.
- Piqué, Baudilio J. 2,719,327, Cl. 18—39.
- Piquerez, Arthur, to Societe dite: Tecalemit, Societe Anonyme. 2,719,605, Cl. 184—105.
- Piragino, Renato, to Riv-Officine di Villar Perosa S. p. A. 2,702,702, Cl. 267—63.
- Pirelli S. p. A.: *See*—  
Paciarini, Antonio. 2,728,105.
- Pirelli Societa per Azioni: *See*—  
Koschatzky, Bruno, and Parini. 2,712,394.  
Ruggeri, Giovanni A., and Russo. 2,711,383.  
Vesigna, Roscild. 2,722,930.
- Piron, Emil H., to Transit Research Corp. 2,723,629, Cl. 105—193.
- Piroué, Robert P., to E. I. du Pont de Nemours and Co. 2,726,266, Cl. 260—562.
- Pisani, Joseph. 2,726,113, Cl. 292—341.15.
- Pisapia, Francis J. 2,713,177, Cl. 15—202.
- Pistey, John M., to General Electric Co. 2,716,738, Cl. 339—50.
- Pistey, John M., and W. R. Young, to General Electric Co. 2,700,099, Cl. 240—51.12.
- Pitler, Richard K., to Allegheny Ludlum Steel Corp. 2,719,208, Cl. 219—8.
- Pitler, Richard K., to Allegheny Ludlum Steel Corp. 2,721,137, Cl. 75—175.5.
- Pitman, Raymond F.: *See*—  
Pitman, Raymond O., and R. F. 2,717,701.
- Pitman, Raymond O. and R. F. 2,717,701, Cl. 212—35.
- Pitman, Richard W., and R. O. Yavne, to the United States of America as represented by the Secretary of the Navy. 2,699,846, Cl. 188—90.
- Pitner, Alfred O., to Societe dite: Societe Anonyme des Roulements a Aiguilles. 2,703,264, Cl. 309—19.
- Pitner, John L.: *See*—  
Pitner, Lloyd E. 2,706,645.
- Pitner, Joseph A. 2,702,980, Cl. 56—312.
- Pitner, Lloyd E., deceased, by J. L. Pitner, administrator. 2,706,645, Cl. 281—29.
- Pitney-Bowes, Inc.: *See*—  
Edman, Joseph V. 2,728,291.  
Hanson, Walter J., and Kubovy. 2,708,403.  
Knauer, Berthold. 2,708,402.  
La Bore, Walter T. 2,717,574.  
Rouan, Francis J., and Bach. 2,706,115.  
Rouan, Francis J., and Strother. 2,703,237.  
Russell, Alva G. 2,727,460.  
Russell, Alva G., and Hanson. 2,707,913.
- Pitrella, Frank. 2,721,597, Cl. 150—52.
- Pitt, Paul A.: *See*—  
Wosika, Leon R., Hodgson, and Pitt. 2,723,531.
- Pitt, Paul A., to Solar Aircraft Co. 2,726,511, Cl. 60—39.72.
- Pitt, Robert S., to Bell Telephone Laboratories, Inc. 2,716,160, Cl. 179—90.
- Pitt, Samuel, to Western Electric Co., Inc. 2,716,379, Cl. 101—92.
- Pittinger, Fred W., to The Mechanical Mold & Machine Co. 2,728,270, Cl. 90—21.
- Pittman, Clarence E. 2,698,465, Cl. 19—106.
- Pittman, Harrison V. 2,713,835, Cl. 111—61.
- Pittman, Ralph R. 2,710,996, Cl. 20—98.
- Pitts, Jim F. 2,711,035, Cl. 37—97.
- Pitts, John K.: *See*—  
Davies, Frank, and Pitts. 2,712,327.
- Pittsburgh Coke & Chemical Co.: *See*—  
Scott, Robert C. 2,728,653.  
Williams, Gordon M., and Hensel. 2,728,771.
- Pittsburgh Consolidation Coal Co.: *See*—  
Gorin, Everett. 2,705,672.  
Gorin, Everett, and Zielke. 2,717,868.  
Howard, Frank A. Re. 24,004.  
Lee, Arthur L. 2,712,245.  
Phinney, John A. 2,709,675.  
Sams, Ira E. 2,721,050.  
Sylvander, Nels E., and Jones. 2,716,042.
- Pittsburgh Corning Corp.: *See*—  
Baker, Arvid H. 2,725,680.  
D'Eustachio, Dominic. 2,703,627.  
D'Eustachio, Dominic. 2,724,260.  
Ford, Walter D. 2,703,486.
- Pittsburgh Plate Glass Co.: *See*—  
Ackerman, Robert L. 2,715,046.  
Atkeson, Florian V., and Golightly. 2,725,320.  
Bobel, William S. 2,723,427.  
Cravener, Earl. 2,714,567.  
Dennison, Brok J., and Smith. 2,700,007.  
De Vore, Guy C. 2,707,849.  
Johnson, Ralph A., and Baldwin. 2,719,386.  
Kronen, Lawrence W. 2,714,791.  
Linder, Cyril S. 2,710,900.  
Lytle, William O. 2,724,658.  
Martin, Thomas P., and Englehart. 2,721,157.  
Peck, Elbert D., Mertes, and Hartwell. 2,722,705.  
Stein, Edward H. 2,699,668.  
Tarnopol, Milton S. 2,725,319.  
Van Clief, William C., Jr. 2,722,030.
- Pittsburgh Steel Co.: *See*—  
McNabb, Arthur E. 2,724,142.
- Pittsburgh Tag Co.: *See*—  
Magidson, Frank. 2,713,399.
- Pityo, Albert F. 2,707,848, Cl. 49—1.
- Pitz, Edward W., Jr.: *See*—  
Hale, James F., Nottingham, and Pitz. 2,712,501.
- Pitzer, Edgar C., to the United States of America as represented by the United States Atomic Energy Commission. 2,713,554, Cl. 204—90.
- Pixley Truck Sales Co.: *See*—  
Kovach, Frank. 2,719,512.
- Pizzarello, Roy A., and A. F. Schneid, to Interchemical Corp. 2,727,044, Cl. 260—377.
- Pizzi, Albert L.: *See*—  
Brescka, Rudolph S., and Pizzi. 2,712,306.
- Pizzi, Albert L., to Western Electric Co., Inc. 2,713,416, Cl. 203—159.
- Place, Nelson B. 2,719,380, Cl. 43—44.8.
- Plachecki, Alexander J.: *See*—  
Morgan, Erving B., Jurewicz, and Plachecki. 2,171,187.
- Plak, Marten: *See*—  
Lubben, Gerrit J., and Plak. 2,710,379.
- Planagumà, Antoine: *See*—  
Salsas-Serra, Francisco, and Planagumà. 2,700,576.
- Planamatic Corp.: *See*—  
Oding, Carl A. 2,718,760.
- Planer, Karl. 2,717,540, Cl. 92—51.
- Planet Products Corp.: *See*—  
Dugle, Thomas E. 2,711,299.
- Planeta, Paul H. 2,708,037, Cl. 211—74.
- Plank, Charles J.: *See*—  
Simpson, Thomas P., Branton, and Plank. 2,727,868.
- Plano, John W., and B. M. Ensley. 2,725,959, Cl. 189—14.
- Plansoen, Louis M., and E. M. Seaman, to The Federal Leather Co. 2,706,699, Cl. 154—140.
- Plant, Leland G. 2,727,351, Cl. 56—377.
- Plante, Romeo, to Forsyth Accessories Regd. 2,714,331, Cl. 88—98.
- Plantico, Victor D. 2,728,502, Cl. 224—42.1.
- Plantinga, Oliver S.: *See*—  
Deker, Marta, and Plantinga. 2,713,312.
- Plantinga, Oliver S., and M. Dekker, to Johnson & Johnson. 2,705,009, Cl. 128—269.
- Plastic Film Corp.: *See*—  
Lancaster, Talbot A. 2,720,477.



- Plastic Film Products Corp.: *See*—  
Czetli, Jess. 2,704,402.
- Plastic Inlays, Inc.: *See*—  
Larmour, James J. 2,724,200.
- Plastic Irrigation Products Co.: *See*—  
Wilson, Roy C., Jr. 2,721,764.
- Plastic Loose Leaf, Inc.: *See*—  
Minkoff, Jouval. Re. 23,967.
- Plastic Products Corp.: *See*—  
Beeson, Clement T. 2,717,421.  
Murdock, Forrest L., Sr., Boggs, and Beeson. 2,726,009.
- Plasticrete Corp.: *See*—  
Paolelle, Philip. 2,728,334.
- Plastic-Ware, Inc.: *See*—  
Margolis, Ely S. 2,719,252.
- Platel, Charles, L. Delahousse, and C. Laffitte. 2,725,299, Cl. 99—65.
- Plath, Robert, to Boeing Airplane Co. 2,706,410, Cl. 73—290.
- Plati, John T., and W. Wenner, to Hoffmann-La Roche Inc. 2,698,846, Cl. 260—260.
- Platt, Arthur G. 2,705,338, Cl. 16—154.
- Platt Brothers and Co. Ltd.: *See*—  
Butler, Edward S., and Sutcliffe. 2,715,920.
- Platt, Haviland H. 2,702,168, Cl. 244—7.
- Platt, Henry A.: *See*—  
Richards, Courtland O. 2,699,351.
- Platt, John, to The Singer Mfg. Co. 2,722,904, Cl. 112—226.
- Platt, John G., to Flex-O-Lators, Inc. 2,719,987, Cl. 5—360.
- Platt, Joseph E.: *See*—  
Pettengill, Gilbert S. 2,709,272.
- Platte, William N., to Westinghouse Electric Corp. 2,727,969, Cl. 219—4.
- Platts, George Turton, & Co. Ltd.: *See*—  
Fitzjohn, Arthur P. 2,726,773.
- Platzer, Franz. 2,709,934, Cl. 80—38.
- Platzer, Norbert J., and F. A. Carlson, Jr., to Monsanto Chemical Co. 2,710,426, Cl. 18—57.
- Plaut, Herman: *See*—  
Stenzel, Richard W., Plaut, and Buchanan. 2,716,618.
- Plaut, Herman. 2,701,809, Cl. 260—404.
- Plavan, Paul E. 2,715,411, Cl. 137—151.
- Plax Corp.: *See*—  
Horton, Paul V. Re. 24,062.
- Pleatmaster, Inc.: *See*—  
Solomon, Bert P. 2,710,653.
- Pledger, Huey, Jr.: *See*—  
Kundiger, Donald G., and Pledger. 2,719,173.
- Plesch, Johann O., to P. H. Plesch. 2,713,201, Cl. 30—50.
- Plesch, Peter H.: *See*—  
Plesch, Johann O. 2,713,201.
- Plessey Co. Ltd., The: *See*—  
Baines, Frederick. 2,726,680.  
Da Costa, Harry. 2,726,088.  
De Bell, Ernest A. 2,704,316.  
De Bell, Ernest A. 2,705,273.  
Hilton, John L. 2,706,452.  
Page, Victor A. W. 2,722,888.
- Plessner, Karl W.: *See*—  
Shen, Tzu E., and Plessner. 2,705,204.
- Pletcher, Clarence B. 2,710,980, Cl. 15—104.12.
- Pletscher, Hermann, to International Standard Electric Corp. 2,701,276, Cl. 178—61.
- Plieger, Friedrich W., and F. F. Busmann. 2,714,866, Cl. 115—35.
- Ploeger, Clyde E., to Servel, Inc. 2,717,500, Cl. 62—7.
- Ploger, Alfred: *See*—  
Stewart, Robert, and Ploger. 2,710,026.
- Plotkin, Frederic P. 2,709,113, Cl. 301—37.
- Plotkin, Frederic P. 2,709,114, Cl. 301—37.
- Plouff, Arthur J. 2,713,842, Cl. 115—41.
- Plourde, Neal N., to Gunnell Capsulations, Inc. 2,702,923, Cl. 18—48.
- Plourde, Neal N., to Gunnell Capsulations, Inc. 2,702,924, Cl. 18—48.
- Plucinski, Theodore W. 2,720,260, Cl. 160—91.
- Plue, Arnold F.: *See*—  
Rottschaefer, Bernard W., and Plue. 2,703,801.
- Plueddemann, Edwin P., and D. B. Hatcher, to Allied Chemical & Dye Corp. 2,717,900, Cl. 260—410.7.
- Plumb, Edwin W. 2,709,925, Cl. 74—615.
- Plumb, Robert F., and M. J. Linse, to Iowa Mfg. Co. of Cedar Rapids, Iowa. 2,727,732, Cl. 259—109.
- Plumlee, Carl H. 2,710,599, Cl. 121—150.
- Plumley, Harold J., and R. O. Wynn. 2,719,486, Cl. 102—70.2.
- Plummer, Harold. 2,710,035, Cl. 146—192.
- Plummer, Jesse H.: *See*—  
Draper, James C., Plummer, and Clayton. 2,704,734.
- Plummer, John L., to The Lyman Gun Sight Corp. 2,715,276, Cl. 33—50.
- Plungis, Anthony C.: *See*—  
Plungis, James A. and A. C. 2,709,939.
- Plungis, James A. and A. C. 2,709,939, Cl. 81—90.
- Plungian, Mark, to Celanese Corp. of America. 2,709,652, Cl. 92—11.
- Plunkett, John A., and E. R. Dorso. 2,713,491, Cl. 273—191.
- Pneumafil Corp.: *See*—  
Fürstenberg, Joachim. 2,724,943.  
Harris, Charles R. 2,704,430.
- Pneumatic Scale Corp., Ltd.: *See*—  
Everett, Arthur C. 2,705,101.  
Howard, Stanley R. 2,718,345.  
Howard, Stanley R. and T. P. 2,705,076.  
Howard, Thomas P. 2,704,197.  
Howard, Thomas P. 2,716,534.  
Knobel, Max. 2,699,932.  
Sterling, Walter S. 2,715,978.
- Poarch, Arthur E.: *See*—  
Twieg, George W., and Poarch. 2,701,767.
- Poche, John M. 2,710,777, Cl. 301—41.
- Pochobradsky, Frank A. 2,728,257, Cl. 84—422.
- Pociask, Anton A., Jr. 2,718,953, Cl. 192—130.
- Pockel, Irving, to Cambridge Industries Co. 2,726,225, Cl. 260—45.4.
- Pocock, Catherine. 2,704,098, Cl. 150—1.
- Podgajny, Thaddeus W.: *See*—  
Kell, Clement W., and Podgajny. 2,713,948.
- Podnos, Selim S.: *See*—  
Granath, Louis P., and Podnos. 2,701,527.
- Podolak, Walter F., and R. E. Bagley, to Boyle-Midway Inc. 2,703,425, Cl. 15—229.
- Poekel, Charles A.: *See*—  
Davenport, Granger, and Poekel. 2,700,325.
- Poel, Norman C., to American Seating Co. 2,726,126, Cl. 311—39.
- Poelman, Herman H. 2,708,137, Cl. 296—107.
- Poffenberger, Everett, to The Singer Mfg. Co. 2,722,186, Cl. 112—200.
- Poffenberger, Noland, to The Dow Chemical Co. 2,711,433, Cl. 260—674.
- Poffenberger, Noland, to The Dow Chemical Co. 2,714,056, Cl. 23—310.
- Poglein, Leslie J., to J. H. Millstein Co. 2,714,654, Cl. 240—128.
- Pohl, Walter M., to Foote Bros. Gear & Machine Corp. 2,713,928, Cl. 192—113.
- Pohl, Walter M., to Foote Bros. Gear & Machine Corp. 2,725,134, Cl. 192—105.
- Pohland, Albert, to Eli Lilly and Co. 2,728,779, Cl. 260—326.3.
- Pohlman, Reimar, to USAG Ultraschall A. G. 2,728,869, Cl. 310—8.7.
- Pohnan, Frank J., deceased (M. M. Jackson, administratrix). 2,723,919, Cl. 117—35.
- Pohndorf, Henry L., to National Welding Equipment Co. 2,709,065, Cl. 251—333.
- Pohndorf, Henry L., and G. L. Hammon, to National Welding Equipment Co. 2,709,577, Cl. 261—2.
- Pohorilla, Michael J.: *See*—  
Lawrence, Franklin I. L., Smith, and Pohorilla. 2,721,121.  
Lawrence, Franklin I. L., Smith, and Pohorilla. 2,721,180.  
Lawrence, Franklin I. L., Smith, and Pohorilla. 2,721,181.
- Poiley, Samuel M. 2,699,753, Cl. 119—52.
- Poirier, Arthur, ½ to G. D. Crosier. 2,726,422, Cl. 19—151.
- Poirier, Ernest A. 2,714,341, Cl. 92—46.
- Pokorny, Frank J., to I-T-E Circuit Breaker Corp. 2,727,111, Cl. 200—147.
- Pokorny, John M. and L. Pokorny, Jr. 2,722,016, Cl. 5—13.
- Pokorny, Louis, Jr.: *See*—  
Pokorny, John M. and L. 2,722,016.
- Pokorny, Stephen S. 2,711,235, Cl. 192—3.
- Polanski, Frank C., to Ladish Co. 2,709,094, Cl. 285—129.
- Polanski, Henry A.: *See*—  
Greer, Edward M., and Polanski. 2,712,756.
- Polaroid Corp.: *See*—  
Bachelder, Albert J., McCune, and Wolff. 2,709,223.  
Casselman, Robert C. 2,712,336.  
Fairbank, Murry N. 2,706,939.  
Land, Edwin H. 2,698,798.  
Land, Edwin H. 2,702,146.  
Land, Edwin H. 2,702,244.  
Land, Edwin H. 2,704,721.  
Land, Edwin H. 2,706,937.  
Land, Edwin H. 2,707,150.  
Land, Edwin H. 2,708,864.  
Land, Edwin H. 2,719,472.  
Land, Edwin H. 2,719,789.  
Land, Edwin H. 2,719,791.  
Land, Edwin H. 2,726,154.  
Land, Edwin H., and Rogers. 2,705,676.  
McCune, William J., Jr. 2,723,051.  
Shureliff, William A. 2,705,757.  
Shureliff, William A. 2,707,237.  
Whittier, Sidney B. 2,722,871.  
Wolff, Otto E. 2,719,565.
- Polchinski, John. 2,700,769, Cl. 2—93.
- Pole, Arthur S., to Samuel Pegg & Son Ltd. 2,721,468, Cl. 68—198.
- Polen, Percy B., to Arvey Corp. 2,712,030, Cl. 260—543.
- Polenz, Paul W. 2,720,184, Cl. 114—208.
- Polglase, Thomas R., to Anaconda Wire and Cable Co. 2,715,458, Cl. 206—65.
- Polglase, Thomas R., to Anaconda Wire and Cable Co. 2,718,303, Cl. 206—65.
- Polikoff, Jack M. 2,699,132, Cl. 112—227.
- Polissar, Milton J., to the United States of America as represented by the United States Atomic Energy Commission. 2,725,278, Cl. 23—14.5.



- Polissar, Milton J., to the United States of America as represented by the United States Atomic Energy Commission. 2,725,284, Cl. 23—263.
- Pollizzi, Giacomo,  $\frac{2}{3}$  to E. Brero and G. Ferrero. 2,701,924, Cl. 36—64.
- Polk, Emil S. 2,720,769, Cl. 67—7.1.
- Polk, Ralph, Jr. 2,723,823, Cl. 248—226.
- Polk, William E. 2,714,784, Cl. 46—124.
- Polki, Samuel. 2,703,557, Cl. 121—3.
- Polkosnik, Bernard L., to General Hardware Mfg. Co. Inc. 2,717,618, Cl. 145—24.
- Pollack, Bennie: *See*—  
Moletz, George J., Jr., and Pollack. 2,717,107.
- Pollack, Martin. 2,710,539, Cl. 73—53.
- Pollack, Sol, and P. B. Korda. 2,718,054, Cl. 30—10.
- Pollak, Felix: *See*—  
Marriage, Anthony, Pollak, and Brooks. 2,728,290.
- Pollard, Ernest L., to Elliott Co. 2,720,600, Cl. 310—51.
- Pollard, Harold J.: *See*—  
Rees, John, and Pollard. 2,715,598.
- Pollard, Joseph H.: *See*—  
Welch, Douglas F., Grieve, Hiron, and Pollard. 2,701,831.
- Pollard & Johnston: *See*—  
Murray, Jerome L. 2,702,571.
- Pollard, Leon G.: *See*—  
Turner, Frank T., Pollard, and Deibert. 2,715,202.
- Pollard, Ned C. 2,700,523, Cl. 248—181.
- Pollard, Nellie T. and W. L. 2,716,307, Cl. 45—82.
- Pollard, Willard L.: *See*—  
Pollard, Nellie T. and W. L. 2,716,307.
- Pollock, Earl S., to The Tappan Stove Co. 2,721,547, Cl. 126—191.
- Pollock, Helen: *See*—  
Rachlin, Max. 2,701,115.  
Rachlin, Max. 2,717,752.
- Pollock, Herbert C.: *See*—  
Gurewitsch, Anatole M., and Pollock. 2,701,909.  
Kingdon, Kenneth H., and Pollock. 2,701,352.
- Pollock, Lou, and H. C. Wald, to The Davies-Young Soap Co. 2,699,731, Cl. 103—262.
- Pollock, Lou, and H. C. Wald, to The Davies-Young Soap Co. 2,728,609, Cl. 299—84.
- Pollock, Lyle W.: *See*—  
Betha, Charles F., Pollock, and Wood. 2,717,658.
- Pollock Paper Corp.: *See*—  
Bromberg, Edward S. 2,707,530.
- Pollock, Willard M.: *See*—  
Chankalian, Robert H., and Pollock. 2,722,131.
- Pollock, Willard M., to American Type Founders, Inc. 2,711,937, Cl. 308—189.
- Pollopat Patents Ltd.: *See*—  
Weisheit, Georg. 2,711,650.
- Polly, Orville L.: *See*—  
Hanson, Ross A., and Polly. 2,721,190.
- Polly, Orville L., and O. D. Cunningham, to Union Oil Co. of California. 2,721,188, Cl. 260—78.3.
- Polnauer, Frederick F., to Rototek Research Corp. 2,728,357, Cl. 139—16.
- Polny, John. 2,701,931, Cl. 42—69.
- Polonski, John B., to Borg-Warner Corp. 2,720,124, Cl. 74—732.
- Poliselli, Luigi. 2,727,543, Cl. 144—285.
- Polsen, Samuel D., and S. H. Nelson. 2,700,333, Cl. 100—229.
- Polster, John A., W. S. Aldrich, and L. M. Berlin, to Minnesota Mining & Mfg. Co. 2,708,076, Cl. 242—55.4.
- Polyducer Corp.: *See*—  
Virmani, Brvant D. 2,702,691.
- Polye, William R., to Bendix Aviation Corp. 2,718,904, Cl. 137—777.
- Polymer Corp. Ltd.: *See*—  
Ambler, Cecil P. 2,720,942.  
Stott, Louis L. 2,719,330.  
Stott, Louis L., and Hervey. 2,698,966.  
Williams, Harry L., and Fordham. 2,724,708.
- Polymer Industries, Inc.: *See*—  
Marks, Lewis, and Stern. 2,716,612.
- Polytechnic Institute of Brooklyn: *See*—  
Carlin, Herbert J. 2,704,344.  
Weber, Ernst, and Ebert. 2,705,779.  
Weber, Ernst, and Ebert. 2,705,780.
- Polytechnic Research & Development Co., Inc.: *See*—  
Hopfer, Samuel. 2,710,383.  
Johnson, Stanley A. 2,710,325.
- Pomatto, Charles V., and M. E. Schlenker, to General Time Corp. 2,704,432, Cl. 58—38.
- Pommer, Frank J.: *See*—  
Collins, Clifford H., and Pommer. 2,718,564.
- Pompa, Leonard: *See*—  
Charlton, Edward J., and Pompa. 2,724,518.
- Pompeo, Domenick J.: *See*—  
Milligan, William B., Pompeo, and Rolfson. 2,722,826.
- Pompeo, Domenick J., C. J. Penther, and G. W. Noller, to Shell Development Co. 2,703,628, Cl. 183—4.1.
- Pomper, Anthony W., to John Waldron Corp. 2,705,424, Cl. 73—150.
- Pomykala, Edmund S. 2,719,083, Cl. 75—42.
- Ponce, Gerald J. 2,713,216, Cl. 36—68.
- Pond, Clarke P. 2,712,691, Cl. 30—46.
- Pond, Lester L.: *See*—  
Palmer, Frederick B., Brown, Pond, and Hinz. 2,711,568.
- Pons, Charles, to Etablissements Carpano & Pons. 2,726,052, Cl. 242—84.4.
- Pons, Onesime H.: *See*—  
Garrou, Louis W., and Pons. 2,706,389.
- Pons, Paul H., to Etablissements Saxby. 2,724,459, Cl. 188—62.
- Ponsar, Yves, to Ateliers Neyret-Beylier & Piccard-Pictet. 2,699,653, Cl. 61—28.
- Pont, Henri M. 2,705,928, Cl. 108—1.
- Pontiac Engraving & Electrotype Co.: *See*—  
Shultz, Roy M. 2,714,337.
- Pontius, Harry E.: *See*—  
Noel, William A. 2,720,825.
- Pontow, Werner, to Siemens-Schuckertwerke Aktiengesellschaft. 2,725,221, Cl. 261—62.
- Ponts, Joseph H. 2,705,982, Cl. 144—208.
- Poock, Herman J.,  $\frac{1}{2}$  to E. E. Walker. 2,726,015, Cl. 222—98.
- Pool, Leonard P., to Air Products Inc. 2,704,930, Cl. 62—175.5.
- Pool, Stuart D., to International Harvester Co. 2,703,956, Cl. 56—317.
- Pool, Stuart D., to International Harvester Co. 2,723,667, Cl. 130—31.
- Pool, Stuart D., to International Harvester Co. 2,723,668, Cl. 130—31.
- Pool, Stuart D., and E. K. Karlsson, to International Harvester Co. 2,716,322, Cl. 56—157.
- Pool, Stuart D., and W. H. Walker, to International Harvester Co. 2,716,358, Cl. 74—710.
- Pool, Stuart D., and E. K. Karlsson, to International Harvester Co. 2,723,522, Cl. 56—157.
- Pool, Stuart D., and E. K. Karlsson, to International Harvester Co. 2,723,669, Cl. 130—31.
- Poole, Arthur B.: *See*—  
Goodhouse, Carl J., and Poole. 2,711,456.
- Poole, David E.: *See*—  
McMahon, John W., Blank, Windle, and Poole. 2,703,183.
- Poole, Lewis, to Burlington Industries, Inc. 2,709,353, Cl. 66—181.
- Poole, Richard S., to Kellogg Co. 2,704,723, Cl. 99—85.
- Pooler, Leo S., to The C. P. Hall Co. of Illinois. 2,716,133, Cl. 260—537.
- Pooley, Robert W., to United States Rubber Co. 2,713,699, Cl. 18—53.
- Poor & Co.: *See*—  
Bishop, William J. 2,721,034.  
Chester, Allan E. 2,700,646.  
Chester, Allan E. 2,701,811.  
Chester, Allan E. 2,702,762.  
Chester, Allan E. 2,706,692.  
Chester, Allan E. 2,725,395.  
Chester, Allan E. 2,727,841.  
Grant, John L. 2,700,508.  
Lansing, Horace L. 2,702,161.  
Ruppert, Max K. 2,717,740.  
Ruppert, Max K. 2,719,008.
- Poorman, John E. 2,724,302, Cl. 82—1.
- Poorman, Richard M., H. B. Sargent, and H. Lamprey, to Union Carbide and Carbon Corp. 2,714,563, Cl. 117—105.
- Poos, George I.: *See*—  
Arth, Glen, E. Poos, and Sarett. 2,722,532.
- Poovey, Perry D., to Glenn Mills, Inc. 2,703,440, Cl. 19—131.
- Pope, Erastus M., and L. L. Williams, to Moore Dry Kiln Co. 2,707,443, Cl. 105—160.5.
- Pope, Lewis V.: *See*—  
Gentry, Norman L., Pope, and McDaniel. 2,724,352.
- Pope, Martin, to Phys-Chemical Research Corp. 2,728,831, Cl. 201—63.
- Popkin, Alexander H., to Esso Research and Engineering Co. 2,703,783, Cl. 252—29.
- Popkin, Alexander H., to Esso Research and Engineering Co. 2,721,878, Cl. 260—485.
- Popkin, Alexander H., and J. F. Black, to Esso Research and Engineering Co. 2,721,877, Cl. 260—485.
- Popkin, Alexander H., and J. M. Phelan, to Esso Research and Engineering Co. 2,721,879, Cl. 260—485.
- Popp, Rudolf, and M. C. Carlson, to McGill Mfg. Co. 2,722,448, Cl. 294—20.
- Poppa, Herbert: *See*—  
Pfaffenberger, Erwin, Poppa, and Goetz. 2,706,428.
- Poppe, George W., to Equitable Paper Bag Co., Inc. 2,711,853, Cl. 229—68.
- Poppe, George W., to Equitable Paper Bag Co. Inc. 2,712,410, Cl. 229—70.
- Poppe, George W., to Equitable Paper Bag Co., Inc. 2,726,804, Cl. 229—77.
- Popper, Emil. 2,707,800, Cl. 16—180.
- Porch, Charles H.: *See*—  
Urey, George M., Porch, Jarrett, and Crawford. 2,714,141.
- Porret, Daniel, to Ciba Ltd. 2,709,177, Cl. 260—465.3.
- Porsche Konstruktionen G. m. b. H.: *See*—  
Altenberg, Heinrich. 2,707,943.
- Porta Products Corp.: *See*—  
Benedek, Elek K. 2,714,378.
- Portable Tables, Inc.: *See*—  
Bell, Joseph L. 2,715,558.
- Porteous, Ronald L. 2,699,790, Cl. 132—50.
- Porter-Cable Machine Co., The: *See*—  
Pedersen, Dane H. 2,714,408.
- Porter, Carter E.: *See*—  
Stewart, Joseph, and Ward. 2,723,219.
- Porter, Charles B. A.: *See*—  
Hallewell, Harold S., and Porter. 2,722,787.
- Porter, Charles B. A., to H. S. Hallewell. 2,705,487, Cl. 125—11.
- Porter, Frank W., to Productive Equipment Corp. 2,700,198, Cl. 22—1.



- Porter, Frederick W. B.: *See*—  
Docksey, Patrick, and F. W. B. and H. T. Porter. 2,726,193.
- Porter, Frederick W. B., to The British Petroleum Co. Ltd. 2,706,703, Cl. 196—28.
- Porter, Frederick W. B., to The British Petroleum Co. Ltd. 2,718,490, Cl. 196—28.
- Porter, Frederick W. B., to The British Petroleum Co. Ltd. 2,719,108, Cl. 196—28.
- Porter, George G.: *See*—  
Baker, Arthur W., and Porter. 2,699,938.
- Porter, George S., and W. W. Wyatt, to Flexicore Co. of Colorado. 2,725,958, Cl. 188—32.
- Porter, H. K., Co., Inc. of Pittsburgh: *See*—  
Stene, Manfred. 2,712,577.
- Porter, Hardin K., to E. I. du Pont de Nemours and Co. 2,714,612, Cl. 260—518.
- Porter, Harold M., and P. H. Reardon, to The Mitchel-Tyler Co. 2,703,470, Cl. 51—60.
- Porter, Harold M., and P. H. Reardon, to The Mitchell-Tyler Co. 2,722,785, Cl. 51—131.
- Portis, Henry R., to Portis Style Industries, Inc. 2,717,393, Cl. 2—172.
- Portis, Henry R., to Portis Style Industries, Inc. 2,717,394, Cl. 2—172.
- Porter, Hubert T.: *See*—  
Docksey, Patrick, and F. W. B. and H. T. Porter. 2,726,193.
- Porter, Ian S. 2,714,371, Cl. 121—38.
- Porter, John L., to Kaiser Aluminum & Chemical Corp. 2,701,751, Cl. 23—143.
- Porter, John L., to Kaiser Aluminum & Chemical Corp. 2,701,752, Cl. 23—143.
- Porter, Maurice M. 2,706,478, Cl. 128—136.
- Porter, Wellington W. 2,706,374, Cl. 56—296.
- Porter, William L.: *See*—  
Willits, Charles O., and Porter. 2,715,581.
- Porth, Carl J. 2,700,242, Cl. 43—44.4.
- Portis Style Industries, Inc.: *See*—  
Portis, Henry R. 2,717,393.  
Portis, Henry R. 2,717,394.
- Portland Iron Works: *See*—  
Pearson, Harry C. 2,714,407.
- Porto-Rak Co.: *See*—  
Stollenwerk, Harry A. 2,710,735.
- Portouw, Robert C., and R. Farnsworth, to Powder Power Tool Corp. 2,702,902, Cl. 1—44.5.
- Poser, Paul. 2,702,465, Cl. 69—28.
- Posey, Elbert H. 2,702,389, Cl. 4—144.
- Posey Iron Works: *See*—  
Hershey, Elwood R. 2,707,315.
- Posner, Arthur. 2,715,900, Cl. 128—33.
- Posselt, Edward J., and E. W. Seeger, to Cutler-Hammer, Inc. 2,724,796, Cl. 318—250.
- Post, Anne C.: *See*—  
Walton, Richard R., and Clifford. 2,708,303.
- Post, Herman D., and C. A. Vogel, to Telectro Industries Corp. 2,705,262, Cl. 179—100.2.
- Post Machinery Co.: *See*—  
Fergnani, Walter P. 2,710,752.
- Post Machinery Corp.: *See*—  
Fergnani, Walter P. 2,701,990.
- Post, William R.: *See*—  
Rickert, Frederick D., and Post. 2,698,532.
- Postell, John A. 2,705,141, Cl. 268—96.
- Posthumus, Klass, to Hartford National Bank and Trust Co., trustee. 2,721,295, Cl. 315—39.69.
- Postlewaite, William R., H. Rogers, Jr., and R. H. Long, to California Research Corp. 2,728,466, Cl. 214—11.
- Postmaster General, Her Majesty's: *See*—  
Flowers, Thomas H., Harper, and Harris. 2,727,094.
- Poston, Blanch, and J. Bell. 2,700,390, Cl. 135—20.
- Posz, Howard M.: *See*—  
Allen, Frank C., Glover, Garstka, and Posz. 2,701,472.
- Potash Co. of America: *See*—  
Shoeld, Edmund A. 2,703,646.
- Potasse & Engrais Chimiques: *See*—  
Andres, Louis E., and Quanquin. 2,726,949.
- Potchen, Joseph A., to Haskelite Mfg. Corp. 2,699,599, Cl. 29—180.
- Potdevin, Adolph, to Potdevin Machine Co. 2,714,983, Cl. 229—62.5.
- Potdevin Machine Co.: *See*—  
Potdevin, Adolph. 2,714,983.
- Poteet, Charles A. 2,713,281, Cl. 81—177.
- Potez, Henry, to Laboratoire d'Hygiene Scientifique Hygiscient. 2,705,953, Cl. 128—173.
- Potgieter, Fred M., to Borg-Warner Corp. 2,706,388, Cl. 64—29.
- Potocnik, Rudolph, to General Motors Corp. 2,710,049, Cl. 155—112.
- Potonides, Homer: *See*—  
Carlson, Raymond L., and Potonides. 2,705,595.
- Potterberg, Rolfe, and E. T. Clayton, to Peen Plate, Inc. 2,723,204, Cl. 117—24.
- Potter, Albert T., to Ainsworth Mfg. Corp. 2,702,582, Cl. 155—14.
- Potter, Clifford S. 2,720,998, Cl. 220—6.
- Potter, Clifford S. 2,725,087, Cl. 150—5.
- Potter, David M. 2,709,366, Cl. 73—231.
- Potter, David M. 2,709,755, Cl. 290—52.
- Potter, Donald R.: *See*—  
Potter, Herbert T. 2,718,967.
- Potter, Edward. 2,719,214, Cl. 240—1.2.
- Potter, Elbert L., Jr., and W. H. Mergi, to Houdaille-Hershey Corp. 2,705,633, Cl. 267—9.
- Potter, Frederick M., to Bendix Aviation Corp. 2,720,575, Cl. 219—10.
- Potter, Harris E., and Z. and J. O. Mattox, to Precision Recapping Equipment Co. 2,712,156, Cl. 18—18.
- Potter, Herbert T.,  $\frac{1}{4}$  to D. R. Potter. 2,718,967, Cl. 209—261.
- Potter, Howell L., to The Fafnir Bearing Co. 2,728,616, Cl. 308—187.2.
- Potter, Lee R., to Southwest Products Co. 2,724,172, Cl. 29—149.5.
- Potter, Lorraine: *See*—  
Potter, Stanley H. 2,699,794.
- Potter, Marion G., to Westinghouse Electric Corp. 2,709,761, Cl. 310—72.
- Potter, Ralph B. 2,712,401, Cl. 222—115.
- Potter, Rowland S. 2,728,845, Cl. 240—11.4.
- Potter, Stanley H., deceased; L. Potter administratrix. 2,699,794, Cl. 135—5.1.
- Potter, William W., to Grand Rapids Hardware Co. 2,715,540, Cl. 292—241.
- Pottharst, John E., Jr. 2,713,996, Cl. 257—247.
- Pottle, Ralph K., to American Can Co. 2,721,683, Cl. 226—14.
- Pottmeyer, Edward W., to Blaw-Knox Co. 2,725,855, Cl. 122—499.
- Potts, Ernest L., to C. C. Brown. 2,704,581, Cl. 166—204.
- Potts, Ernest L., and F. L. Scott, Jr., to C. C. Brown. 2,704,090, Cl. 138—90.
- Potts, Helen V.: *See*—  
Potts, Thomas A. and H. V. 2,698,447.
- Potts, Phil S., to General Electric Co. 2,712,965, Cl. 308—9.
- Potts, Roy C. 2,714,972, Cl. 220—91.
- Potts, Roy C. 2,718,988, Cl. 224—5.
- Potts, Thomas A. and H. V. 2,698,447, Cl. 9—2.
- Pouchot, Walter D., to Westinghouse Electric Corp. 2,712,221, Cl. 60—39.71.
- Pouell, Harry E. 2,714,039, Cl. 301—5.
- Pouliart, Willy, and H. H. Adelaar, to International Standard Electric Corp. 2,724,018, Cl. 179—18.
- Pouliart, Willy H. P., and F. M. Michiels, to International Standard Electric Corp. 2,704,361, Cl. 340—174.
- Pouliot, Paul: *See*—  
Fortin, Charles A. 2,701,563.  
Fortin, Charles A. 2,727,509.
- Poulter, Thomas C., to Institute of Inventive Research. 2,698,575, Cl. 102—24.
- Pound, Robert V., to the United States of America as represented by the Secretary of the Navy. 2,705,752, Cl. 250—13.
- Poupitch, Ougljesa J., to Illinois Tool Works. 2,702,063, Cl. 151—37.
- Poupitch, Ougljesa J., to Illinois Tool Works. 2,703,418, Cl. 10—86.
- Poupitch, Ougljesa J., to Illinois Tool Works. 2,708,956, Cl. 151—19.
- Poupitch, Ougljesa J., to Illinois Tool Works. 2,713,883, Cl. 151—37.
- Poupitch, Ougljesa J., to Illinois Tool Works. 2,716,247, Cl. 10—86.
- Poupitch, Ougljesa J., to Illinois Tool Works. 2,716,760, Cl. 10—155.
- Poupitch, Ougljesa J., to Illinois Tool Works. 2,724,419, Cl. 151—41.74.
- Poupitch, Ougljesa J., to Illinois Tool Works. 2,724,811, Cl. 339—132.
- Poupitch, Ougljesa J., to Illinois Tool Works. 2,724,882, Cl. 24—73.
- Poupitch, Ougljesa J., to Illinois Tool Works. 2,728,092, Cl. 10—155.
- Poupitch, Ougljesa J., to Illinois Tool Works. 2,728,259, Cl. 85—5.
- Poupirt, Walter C., Jr., to Phillips Petroleum Co. 2,721,578, Cl. 137—634.
- Pourciau, Louis L.: *See*—  
Gillette, Frank N., Garman, and Pourciau. 2,714,131.
- Pouret, Pierre. 2,716,979, Cl. 128—2.1.
- Poutinen, Paul T., to Apex Products Corp. 2,699,192, Cl. 150—35.
- Poux, Noel J., to Talon, Inc. 2,715,759, Cl. 24—201.
- Powder-Power Tool Corp.: *See*—  
Erickson, Virginius R., and Bullwinkle. 2,713,166.  
Erickson, Virginius R., and Bullwinkle. 2,722,003.  
Portouw, Robert C., and Farnsworth. 2,702,902.  
Webber, Charles R., and Erickson. 2,722,004.
- Powell, Alfred A. 2,718,227, Cl. 128—76.5.
- Powell, Charles E. 2,721,085, Cl. 280—41.
- Powell, Clyde C., to National Poultry Equipment Co. 2,714,786, Cl. 51—23.
- Powell, Donald W., to Hughes Aircraft Co. 2,701,346, Cl. 339—17.
- Powell, Edgar R. 2,710,107, Cl. 214—658.
- Powell, Edna A. 2,700,381, Cl. 128—1.
- Powell, Ellis G., to C. A. Dunham Co. 2,715,003, Cl. 248—55.
- Powell, Gordon F. W.: *See*—  
Molins, Desmond W., and Powell. 2,704,079.
- Powell, Harold E.: *See*—  
Hall, Nathan I., Korn, and Powell. 2,714,632.
- Powell, Hugh S., to Powell Spring Co. 2,714,517, Cl. 280—124.
- Powell, Jack N. 2,709,019, Cl. 215—46.
- Powell, La Von I. 2,698,769, Cl. 301—63.
- Powell, Leo A., J. J. Regec, and H. W. Roeber, to Sylvania Electric Products Inc. 2,709,414, Cl. 118—215.



- Powell, Marcus B.: *See*—  
Lantz, Clair W., and Powell. 2,704,010.
- Powell Muffler Co., Inc.: *See*—  
Marx, Joseph P. 2,727,584.
- Powell, Robert J., to Continental Motors Corp. 2,705,944, Cl. 123—198.
- Powell Spring Co.: *See*—  
Powell, Hugh S. 2,714,517.
- Powell, Wilson M., to the United States of America as represented by the United States Atomic Energy Commission. 2,727,190, Cl. 317—158.
- Power, Basil D.: *See*—  
Barrett, Arthur S. D., and Power. 2,722,371.
- Power Brake Equipment Co.: *See*—  
Williams, Norman C., and Fishwood. 2,718,876.
- Power Equipment Co.: *See*—  
Bixby, William H. 2,709,778.  
Bixby, William H. 2,709,779.  
Bixby, William H. 2,713,140.
- Power, Ernest B.: *See*—  
Nelson, Evan H., and Power. 2,699,847.
- Power, Irving: *See*—  
Brown, James H., Dearborn, and Power. 2,701,258.
- Power, James R., to Bell Telephone Laboratories, Inc. 2,716,232, Cl. 340—387.
- Power, William A., to Minneapolis-Honeywell Regulator Co. 2,720,620, Cl. 318—32.
- Power Jets (Research and Development) Ltd.: *See*—  
Barr, John C. 2,717,491.  
Bettison, Derek R. 2,719,056.  
Brame, Eugene. 2,715,312.  
Feilden, Geoffrey B. R., and Ogston. 2,727,716.  
Feilden, Geoffrey B. R., Walker, and Meeson. 2,700,415.  
Forman, Ronald T. M. 2,705,868.  
Holl, Raymond, and Deacon. 2,709,888.  
Howell, Alum R. 2,702,985.  
Johnstone, Alexander P. 2,705,869.  
Lloyd, Peter. 2,706,150.  
Nicholson, Harold M. 2,704,440.  
Sharpe, Alan. 2,720,753.  
Stephenson, John M. 2,709,036.  
Stephenson, Robert A. 2,722,866.
- Powers, Augustin J., Jr., and G. A. Butter, Jr., to Powers Chemco, Inc. 2,701,183, Cl. 23—253.
- Powers Chemco, Inc.: *See*—  
Powers, Augustin J., Jr., and Butter. 2,701,183.
- Powers & Co.: *See*—  
Powers, Frank M., Oscarson, and Garecht. 2,710,012.
- Powers, Donald H., and O. P. Cohen, to Monsanto Chemical Co. 2,723,213, Cl. 117—141.
- Powers, Frank. 2,701,112, Cl. 248—134.
- Powers, Frank M., E. T. Oscarson, and F. G. Garecht, to Power & Co. 2,710,012, Cl. 135—4.
- Powers, James H., to General Electric Co. 2,700,509, Cl. 241—16.
- Powers, John B., to Union Carbide and Carbon Corp. 2,718,473, Cl. 117—49.
- Powers, John L.: *See*—  
Hoover, Walter M. 2,725,231.
- Powers, John M. 2,728,380, Cl. 155—166.
- Powers, John S., and J. W. Lang, Jr., to De Vry Corp. 2,713,642, Cl. 250—200.
- Powers, Myron J.: *See*—  
Kaufman, Vern F., Powers, and Talburt. 2,718,470.
- Powers, Otto L. 2,718,448, Cl. 346—18.
- Powers Regulator Co., The: *See*—  
Safranski, Henry P. 2,709,382.
- Powers-Samas Accounting Machines Ltd.: *See*—  
Eden, Reginald R. 2,727,684.  
Excell, Arthur W. 2,699,892.  
Excell, Arthur W. 2,721,512.  
Guttridge, Eric J., and Parmenter. 2,701,686.  
Holden, Norman G. 2,698,714.  
Johnson, William E., and Boxall. 2,716,453.  
Johnson, William E., and Hewitt. 2,728,289.  
Perrin, John. 2,699,210.  
Thomas, Arthur. 2,704,602.
- Powers, Stephen J., and W. F. Bonner, to International Telephone and Telegraph Corp. 2,703,856, Cl. 317—236.
- Powers, Walter P., to C. Todd. 2,721,649, Cl. 203—131.
- Powers, William J.: *See*—  
Hart, David, Eppig, and Powers. 2,700,603.
- Powley, Richard A., to Chrysler Corp. 2,710,327, Cl. 219—4.
- Powlick, Nicholas J. 2,707,113, Cl. 280—418.
- Poyer, Charles E., 1/2 to M. O. Poyer. 2,708,062, Cl. 224—29.
- Poyer, Charles E. 2,709,817, Cl. 5—59.
- Poyer, Mary O.: *See*—  
Poyer, Charles E. 2,708,062.
- Poyner, Russell R., and W. R. Peterson, to International Harvester Co. 2,718,433, Cl. 299—52.
- Poyss, John W. 2,709,990, Cl. 120—93.
- Poyser, Reginald G., to H. R. Marsden Ltd. 2,705,596, Cl. 241—32.
- Prache, Marie P., to Societe Lignes Telegraphiques & Telephoniques. 2,718,049, Cl. 29—155.61.
- Prache, Marie P., to Lignes Telegraphiques & Telephoniques. 2,727,945, Cl. 178—45.
- Pracilio, Francis P.: *See*—  
Liguori, Alfred T., and Pracilio. 2,700,960.
- Practical Electric Products, Inc.: *See*—  
Barkin, Aaron. 2,713,628.
- Pragalz, Leo. 2,699,623, Cl. 43—25.2.
- Prager, Hans J.: *See*—  
Cohen, Robert M., and Prager. 2,721,951.
- Prah, Harry F., to Mechanical Products Corp. 2,708,588, Cl. 284—17.
- Prain, Willis A. 2,726,314, Cl. 219—38.
- Prall, Gustav. 2,723,585, Cl. 85—32.
- Prance, Alvin W.: *See*—  
Lyijynen, Fred, and Prance. 2,699,416.
- Prasse, Herbert F., to Thompson Products, Inc. 2,715,556, Cl. 309—45.
- Prat-Daniel Corp.: *See*—  
Cartter, William G., and Ewell. 2,700,970.  
Petersen, Alfred A. 2,717,054.
- Prater, Henry L. 2,719,676, Cl. 238—24.
- Prater Pulverizer Co.: *See*—  
Thomas, George F. 2,708,033.
- Prater, W. K.: *See*—  
Duncan, Forrest R. 2,722,964.
- Prather, Edwin E., to Bendix Aviation Corp. 2,707,541, Cl. 192—91.
- Prather, Edwin E., to Bendix Aviation Corp. 2,724,451, Cl. 180—82.1.
- Prather, John J. 2,720,743, Cl. 56—207.
- Prati, Edward: *See*—  
Prati, Enrico. 2,720,849.
- Prati, Enrico, deceased (E. Prati, executor). 2,720,849, Cl. 105—369.
- Pratt, Henry, Co.: *See*—  
Saar, Robert P. 2,705,016.  
Saar, Robert P. 2,707,614.
- Pratt, Herbert L., to W. D. Allen Mfg. Co. 2,710,209, Cl. 292—1.
- Pratt, James A. 2,705,278, Cl. 240—3.
- Pratt, James H., to Girling Ltd. 2,720,954, Cl. 192—4.
- Pratt, James R.: *See*—  
Menning, Ralph H., Pratt, and Manley. 2,705,577.
- Pratt, John W.: *See*—  
James, Cyril H., and Pratt. 2,719,989.  
Lutyens, John L., and Pratt. 2,722,022.
- Pratt, Leonard C. 2,718,403, Cl. 280—11.35.
- Pratt, Read & Co., Inc.: *See*—  
Murdock, Paul F. 2,715,850.
- Pratt, Verneur E., and G. F. Gray. 2,701,979, Cl. 88—24.
- Pratt, Verneur E., and G. F. Gray, to Diebold, Inc. 2,719,714, Cl. 271—45.
- Praytor, Robert B.: *See*—  
Newell, Murray, and Praytor. 2,722,051.
- Preble, Harry, Jr.: *See*—  
Green, Xan B. K., and Preble. 2,704,940.  
Green, Xan B. K., and Preble. 2,709,325.  
Green, Xan B. K., and Preble. 2,721,430.
- Preble, Norman H., and W. A. Goss, to Detroit Harvester Co. 2,703,954, Cl. 56—25.
- Prechter, George W. 2,714,490, Cl. 241—92.
- Precious Metals Refining Co.: *See*—  
Brown, Harold. 2,726,078.
- Precision-Cosmet Co., Inc.: *See*—  
Lantz, Clair W., and Powell. 2,704,010.
- Precision Diamond Tool Co.: *See*—  
Taeyarts, Jan. 2,716,404.
- Precision Gear and Machine Co.: *See*—  
Goodgame, Jesse B. 2,715,875.
- Precision Grinding Ltd.: *See*—  
Andrews, Stanley W. C., and Dwyer. 2,714,254.
- Precision Hardware, Inc.: *See*—  
Smith, Erwin J. 2,715,242.
- Precision Paper, Inc.: *See*—  
Davis, Harold M. 2,704,453.
- Precision Recapping Equipment Co.: *See*—  
Mattox, Zeb and J. O. 2,723,425.
- Potter, Harris E., and Z. and J. O. Mattox. 2,712,156.
- Preco Inc.: *See*—  
Anderson, Paul Z. 2,715,822.  
MacLeod, David E., and Fuchs. 2,718,075.  
Stelle, Allen M., Beemer, and Fuchs. 2,717,590.
- Preisler, Leon: *See*—  
Shone, Samuel M., and Preisler. 2,711,328.
- Preisler, Leon, and S. M. Shone, to Strolee of California, Inc. 2,728,580, Cl. 280—36.
- Premier Research Laboratories Inc.: *See*—  
Font, Ramon. 2,709,226.
- Premo, Howard J. 2,714,270, Cl. 43—17.
- Prendergast, Michael J., to The General Tire and Rubber Co. 2,721,741, Cl. 273—81.6.
- Prentice, G. E., Mfg. Co., The: *See*—  
Legat, Robert C. 2,715,255.
- Prentiss, Spencer S., to Phillips Petroleum Co. 2,703,960, Cl. 60—35.6.
- Presba, Harold: *See*—  
Holthouse, Theodore H., and Presba. 2,723,611.
- Prescott, Arthur W. 2,712,769, Cl. 87—33.
- Prescott, Basil O., and J. E. Wilson, to Shell Development Co. 2,710,169, Cl. 255—1.6.
- Prescott, Basil O., and J. E. Wilson, to Shell Development Co. 2,719,024, Cl. 255—1.6.
- Prescott, Lewis A., Jr., and W. W. Smith, to Tower Iron Works. 2,714,240, Cl. 28—28.
- Prescott, Norman F., to Atwood & Morrill Co. 2,705,609, Cl. 251—162.
- Prescott, Robert S. 2,703,878, Cl. 340—253.
- Presenz, Cecil S., to the United States of America as represented by the United States Atomic Energy Commission. 2,719,941, Cl. 318—125.
- Presley, Wayman R. 2,698,885, Cl. 200—37.
- Presna, Mechanika, narodny podnik: *See*—  
Salner, Artur. 2,723,456.



- Presnell, Frank G., to Bendix Aviation Corp. 2,716,945, Cl. 103—4.
- Presnell, Frank G. 2,719,511, Cl. 121—41.
- Pres-On Switch Co., Inc.: *See*—  
Gamble, Morgan F. 2,727,957.
- Presque Isles Laboratories & Mfg., Inc.: *See*—  
Bierly, Lester A. 2,718,479.
- Press, Meyer, to Hazeltine Research, Inc. 2,717,362, Cl. 333—82.
- Pressman, Ralph, to Radio Corp. of America. 2,709,225, Cl. 307—88.
- Presstite Engineering Co., The: *See*—  
Ferguson, William C., and Sussenbach. 2,700,631.  
Sussenbach, Paul S. 2,718,691.
- Pressure Containers, Inc.: *See*—  
Appel, Frank H., Acker, and Welch. 2,699,890.
- Pressure Gauges Ltd.: *See*—  
Grant, Charles R. A. 2,719,431.  
Grant, Charles R. A. 2,725,741.
- Presto Lighters Ltd.: *See*—  
Fortin, Charles A. 2,712,322.
- Presto Lock Co.: *See*—  
Gehrie, Charles S. 2,720,773.  
Gehrie, Charles S. 2,720,774.
- Presto Recording Corp.: *See*—  
Gruber, Morris M., and Saliba. 2,714,010.
- Prestole Corp.: *See*—  
Smith, Wesley C. 2,709,390.
- Preston, Don F.: *See*—  
Tremolada, Guglielmo R., and Preston. 2,698,734.
- Preston, Don F., to E. B. Wiggins Oil Tool Co. Inc. 2,724,093, Cl. 339—75.
- Preston, Jack W., to Hughes Aircraft Co. 2,727,541, Cl. 140—149.
- Preston, John: *See*—  
Olson, Harry F., and Preston. 2,699,472.  
Olson, Harry F., and Preston. 2,699,474.  
Olson, Harry F., and Preston. 2,718,272.
- Preston, Joseph H. 2,706,409, Cl. 73—212.
- Preston, Raymond D., ½ to P. D. Gould. 2,715,982, Cl. 222—541.
- Preston, Thomas B.: *See*—  
Young, Thomas C., and Preston. 2,726,493.
- Preston, William M., to the United States of America as represented by the Secretary of the Navy. 2,719,271, Cl. 333—21.
- Prestwood, Rene J., and D. S. Martin, to the United States America as represented by the United States Atomic Energy Commission. 2,702,523, Cl. 118—48.
- Prett, Konrad, to Kerag, Kesselschmiede, Apparate- und Maschinenbau. 2,710,577, Cl. 101—124.
- Prettyman, Irven B., and F. S. Grover, to The Firestone Tire & Rubber Co. 2,713,260, Cl. 73—101.
- Preuss, Adolf O.: *See*—  
Lindstrom, Walter A., and Preuss. 2,715,958.
- Prevette, Carl E. and H. C. 2,716,495, Cl. 211—148.
- Prevette, Howard C.: *See*—  
Prevette, Carl E. and H. C. 2,716,495.
- Prevost, Ernest A. 2,721,492, Cl. 81—112.
- Prew, Henry E., to Standard Coil Products Co., Inc. 2,700,730, Cl. 250—20.
- Preway Inc.: *See*—  
Jenson, Kenneth S., nad Suhr. 2,699,820.  
Nelson, Willis N. 2,716,405.
- Price, Berry G., to Tuboscope Co. 2,721,110, Cl. 346—49.
- Price, Charles A.: *See*—  
Norris, Raymond C., and Price. 2,725,842.
- Price, Clegg E.: *See*—  
McCullough, Lewell O., Price, Beam, and Skinner. 2,725,172.
- Price-Driscoll Corp.: *See*—  
Barth, Robert M. 2,699,272.
- Price, Earl R., to Bendix Aviation Corp. 2,719,609, Cl. 188—3.
- Price, Earl R., to Bendix Aviation Corp. 2,726,884, Cl. 286—26.
- Price, Edward T. 2,705,503, Cl. 137—590.
- Price, George W., to Collins Radio Co. 2,717,360, Cl. 333—6.
- Price, Henry, to J. L. Weber. 2,718,427, Cl. 294—102.
- Price, Howell J. 2,720,710, Cl. 56—254.
- Price, James E., and K. D. Groves, to American Viscose Corp. 2,711,365, Cl. 51—298.
- Price, John A.: *See*—  
Padbury, John J., and Price. 2,726,229.
- Price, John A., to American Cyanamid Co. 2,723,258, Cl. 260—80.5.
- Price, John A., to American Cyanamid Co. 2,727,021, Cl. 260—85.5.
- Price, John A., and J. J. Padbury, to American Cyanamid Co. 2,722,525, Cl. 260—77.5.
- Price, Kenneth A., and C. L. Graham, to Northrop Aircraft, Inc. 2,723,093, Cl. 244—137.
- Price, Leo, to Winslow Mfg. Co. 2,709,854, Cl. 33—174.
- Price, Lewis C., to Esso Research and Engineering Co. 2,707,716, Cl. 260—666.
- Price, Manley R. 2,706,315, Cl. 20—4.
- Price, Murray K., to Eastern Power Devices Ltd. 2,710,322, Cl. 200—146.
- Price, Ralph E.: *See*—  
Balsiger, Harold E., and Price. Re. 23,991.
- Price, Ralph E., to Landis Tool Co. 2,704,423, Cl. 51—97.
- Price, Raymond M., and A. F. Roche, to The Dow Chemical Co. 2,723,963, Cl. 260—33.8.
- Price, Raymond M., and Associates, Inc.: *See*—  
Peters, Lewis E. 2,709,792.
- Price, Rene K.: *See*—  
Fiechter, René A. 2,708,070.
- Price, Richard H., to Saunders Valve Co. Ltd. 2,710,629, Cl. 137—793.
- Price, Richard H., to Saunders Valve Co. Ltd. 2,716,426, Cl. 137—784.
- Price, Richard H., and O. Kaye, to Saunders Valve Co. Ltd. 2,705,124, Cl. 251—266.
- Price, Roy C. 2,710,439, Cl. 28—1.
- Price, Wayne E. 2,710,564, Cl. 90—26.
- Price's Patent Candle Co. Ltd.: *See*—  
Keogh, Daniel J. 2,698,969.
- Prickett, Mona E.: *See*—  
Prickett, Wilber W. and M. E. 2,714,439.  
Prickett, Wilber W. and M. E. 2,719,480.  
Prickett, Wilber W. and M. E. 2,728,102.  
Prickett, Wilber W. and M. E. 2,728,846.
- Prickett, Wilber W. and M. E. 2,714,439, Cl. 198—31.
- Prickett, Wilber W. and M. E. 2,719,480, Cl. 99—426.
- Prickett, Wilber W. and M. E. 2,728,102, Cl. 17—11.
- Prickett, Wilber W. and M. E. 2,728,846, Cl. 240—51.
- Priedigkeit, John H., to the United States of America as represented by the Secretary of the Navy. 2,728,048, Cl. 324—57.
- Priesmeyer, Charles, to Meyer & Wenthe, Inc. 2,706,447, Cl. 101—3.
- Priesmeyer, Charles, to Meyer & Wenthe, Inc. 2,706,448, Cl. 101—3.
- Priest, William J.: *See*—  
Clark, George R., and Priest. 2,721,801.
- Prietz, Norbert, to International Standard Electric Corp. 2,703,687, Cl. 243—29.
- Prill, Alfred O. 2,711,783, Cl. 155—78.
- Prill, Alfred O. 2,717,786, Cl. 280—150.
- Prillaman, Berkley. 2,704,077, Cl. 129—1.
- Prime Mfg. Co.: *See*—  
Ridderstrom, Andrew R. 2,706,824.  
Ridderstrom, Andrew R. 2,715,739.
- Primrose, Frank W., and G. Adamec; said Adamec assor. to said Primrose. 2,714,409, Cl. 145—62.
- Prince, Basil W., to American Optical Co. 2,727,436, Cl. 88—41.
- Prince Castle Mfg. Division Inc.: *See*—  
Volkmar, William H. 2,699,924.
- Prince, David C. 2,715,595, Cl. 154—2.27.
- Prince, David C. 2,718,119, Cl. 62—3.
- Prince, David C., to General Electric Co. 2,720,272, Cl. 170—160.5.
- Prindle, Karl E.: *See*—  
Irion, Clarence E., and Prindle. 2,714,571.
- Prindle, Karl E., and G. Lacy, to The Dobeckmun Co. 2,714,569, Cl. 154—53.6.
- Prine, Walter H., to The International Nickel Co., Inc. 2,726,201, Cl. 204—26.
- Pringle, George O. 2,724,199, Cl. 39—59.
- Printing Engineers Inc.: *See*—  
Hillmer, Herman H., and Orent. 2,702,431.
- Printy, Helen C.: *See*—  
Julian, Percy L., Printy, and Meyer. 2,705,238.
- Prior, Arthur D., to Bendix Aviation Corp. 2,725,550, Cl. 340—187.
- Prior, Roger A., to General Electric Co. 2,707,767, Cl. 323—43.5.
- Prior, Roger A., and M. T. Reese, to General Electric Co. 2,707,261, Cl. 318—341.
- Prischmann, Arnold A. 2,718,746, Cl. 56—372.
- Prismacolor, Inc.: *See*—  
Oakhill, Frederic E. 2,712,264.
- Prismatic, Inc.: *See*—  
Musser, C. Walton. 2,703,070.  
Musser, C. Walton. 2,704,532.
- Pritchard, Bernard E., to H. Yetter. 2,719,397, Cl. 56—25.4.
- Pritchard, Donald J., to General Dynamics Corp. 2,710,113, Cl. 220—81.
- Pritchard, J. F., & Co.: *See*—  
Spangler, Carl V. 2,712,730.
- Pritchard, James E., to Phillips Petroleum Co. 2,702,763, Cl. 117—62.
- Pritchard, James L.: *See*—  
Van Valkenburgh, Merritt, and Pritchard. 2,698,509.
- Pritchard, John E.: *See*—  
Carleton, Dana B., and Pritchard. 2,724,944.
- Pritchard, Ronald: *See*—  
Saxby, Frank R., and Pritchard. 2,714,985.
- Pritchard, Thomas R., to Tanra Mfg. Co. 2,706,977, Cl. 123—187.5.
- Pritchard, Wilbur L., to Raytheon Mfg. Co. 2,726,333, Cl. 250—36.
- Pritchett, Wesley E. 2,721,655, Cl. 209—21.
- Pritikin, Nathan. 2,721,822, Cl. 154—95.
- Pritikin, Nathan. 2,724,674, Cl. 154—95.
- Prober, Maurice, to General Electric Co. 2,717,235, Cl. 204—59.
- Probst, Reimer E., to Standard Oil Co. 2,698,862, Cl. 260—449.
- Probst, Reimer E., to Standard Oil Co. 2,700,595, Cl. 23—288.
- Process Engineers Inc.: *See*—  
Rousman, Samuel I. 2,727,628.  
Kelly, Earl M. 2,727,785.  
Kelly, Earl M., and Kivari. 2,713,026.
- Process Evaluation and Development Corp.: *See*—  
Birdseye, Clarence. 2,711,369.



- Process Millers, Inc.: *See*—  
De Sollano, Carlos S. F., Diez, and Berriozabal. 2,704,257.
- Procknow, Joseph J.: *See*—  
McGinty, William K., Procknow, and Warner. 2,708,711.
- Procter, Charles G., and N. Z. Alcock, to Isotope Products Ltd. 2,719,926, Cl. 250—65.
- Procter & Gamble Co., The: *See*—  
Carter, Roscoe O., Jr. 2,727,857.  
Deskey, Donald. 2,718,983.  
Field, Alexander C., Sr. 2,708,941.  
Haefele, John W. 2,719,813.  
Haefele, John W. 2,719,814.  
Mills, Victor, Stromberg, and Kemp. 2,712,529.  
Sanders, Judson H. 2,719,815.
- Procter, James C. 2,699,044, Cl. 62—89.
- Proctor, Barton A., to Proctor Dictation Machine Corp. 2,708,116, Cl. 274—13.
- Proctor Dictation Machine Corp.: *See*—  
Proctor, Barton A. 2,708,116.
- Proctor, Edward K., to Sperry Rand Corp. 2,720,589, Cl. 250—33.63.
- Proctor Electric Co.: *See*—  
Hilldale, John H. 2,712,703.  
Kulicke, Frederick W., Jr. 2,716,825.  
Logue, Francis G. 2,724,961.  
Rewald, Charles H., Jr. 2,701,425.  
Turner, Charles R. 2,699,487.  
Turner, Charles R. 2,710,470.  
Turner, Charles R. 2,728,842.  
Vogelsberg, Walter H. 2,726,297.  
Wagner, Robert J., and Hortman. 2,702,336.  
Wagner, Robert J., and Hortman. 2,710,627.  
Whitaker, Douglas C. 2,712,829.
- Proctor, John A.: *See*—  
Adams, Charles J., and Proctor. 2,728,068.
- Proctor, Ronald R., to The Pure Oil Co. 2,727,959, Cl. 200—112.
- Proctor & Schwartz, Inc.: *See*—  
Bogaty, Stanislaus. 2,713,213.  
Bokum, William F. 2,713,182.  
Redman, Frank R., Hamilton, and Wilson. 2,700,202.  
Scott, William H., and Merrigan. 2,705,096.  
Wilson, Jack P. 2,710,764.  
Wilson, Jack P., and Scott. 2,725,583.
- Producers Cotton Oil Co.: *See*—  
Yost, William G. 2,708,603.
- Production Aids Inc.: *See*—  
Broberg, Orrin R., and Vorhis. 2,703,182.  
Bruce, John K., and Black. 2,699,264.
- Productive Equipment Corp.: *See*—  
Porter, Frank W. 2,700,198.
- Productive Inventions, Inc.: *See*—  
Anderson, John W. 2,715,729.  
Krohm, Fred A. 2,698,607.  
Krohm, Fred A. 2,706,896.  
Krohm, Fred A. 2,710,421.  
Krohm, Fred A. 2,715,238.  
Krohm, Fred A. 2,715,728.  
Wise, Ralph H. 2,714,004.  
Wise, Ralph H. 2,714,005.
- Products and Licensing Corp.: *See*—  
Toulon, Pierre M. G. 2,708,268.  
Toulon, Pierre M. G. 2,713,657.  
Toulon, Pierre M. G. 2,720,553.
- Proefrock, Carl R. 2,720,148, Cl. 97—194.
- Proescholdt, Walter H.: *See*—  
Rupp, Eldor G., and Proescholdt. 2,698,799.
- Progress Mfg. Co., Inc.: *See*—  
Lane, David. 2,708,713.
- Progressive Machine Co.: *See*—  
Wysocki, Kazmier. 2,699,278.
- Progressive Products, Inc.: *See*—  
Newmark, Marshall F. 2,703,087.
- Progressive Specialties: *See*—  
Luchansky, Andrew J. 2,708,130.
- Projector, Theodore H. 2,707,811, Cl. 20—62.
- Prola, Carlo: *See*—  
Prola, Goffredo and C. 2,704,491.  
Prola, Goffredo and C. 2,704,491, Cl. 89—182.
- Proll, Gustave. 2,714,275, Cl. 46—180.
- Proll, Gustave. 2,725,779, Cl. 84—360.
- Promundo: *See*—  
Handschin, Max G. 2,709,202.
- Pronio, Harry A. 2,701,124, Cl. 255—19.
- Pronio, Lawrence: *See*—  
Heffernan, William R., Rigassio, and Pronio. 2,725,102.
- Pronio, Vincent R. 2,702,772, Cl. 154—117.
- Properzi, Ilario. 2,710,433, Cl. 22—57.4.
- Pro-phy-lac-tic Brush Co.: *See*—  
Maynard, Charles E. 2,718,024.
- Props, George P., to Fort Wayne Corrugated Paper Co. 2,714,482, Cl. 229—6.
- Propulsion Research Corp.: *See*—  
Crater, Wilbur D., and Shapiro. 2,724,965.
- Proske, Joseph, to Burgess-Norton Mfg. Co. Re. 23,954, Cl. 305—10.
- Proske, Joseph, to Burgess-Norton Mfg. Co. 2,719,758, Cl. 305—10.
- Prossen, Louis F., to Celanese Corp. of America. 2,710,689, Cl. 206—65.
- Prosser, Dwight M.: *See*—  
Prosser, Matilda E. and D. M. 2,715,747.
- Prosser, Edwin A., to The Richardson Co. 2,703,819, Cl. 136—162.
- Prosser, John W.: *See*—  
Gardner, William R. 2,702,939.
- Prosser, Matilda E. and D. M., to Peerless Balance Co. 2,715,747, Cl. 16—198.
- Protect-Al Co.: *See*—  
Fraser, Wilson P. 2,722,386.
- Protector Products Inc.: *See*—  
Philips, Raymond A. 2,701,584.
- Protectoseal Co., The: *See*—  
Lebus, William A. 2,720,201.
- Protex Weatherstrip Mfg. Co.: *See*—  
West, John C., and Christensen. 2,705,350.
- Proth, Elizabeth. 2,703,444, Cl. 24—253.
- Prout, W. J.: *See*—  
Briggs, Francis C. 2,704,036.
- Provenzano, Gaetano. 2,715,001, Cl. 244—118.
- Provincial Paper, Ltd.: *See*—  
Gunning, John R. 2,715,088.
- Prowinsky, Joseph H. 2,715,535, Cl. 280—47.16.
- Pruett, William A. 2,726,517, Cl. 62—108.5.
- Pruitt, Malcolm E., and J. M. Baggett, to The Dow Chemical Co. 2,706,181, Cl. 260—2.
- Pruitt, Malcolm E., J. M. Baggett, R. J. Bloomfield, and J. H. Templeton, to The Dow Chemical Co. 2,706,182, Cl. 260—2.
- Pruitt, Malcolm E., and J. M. Baggett, to The Dow Chemical Co. 2,706,189, Cl. 260—45.95.
- Prupis, Robert I., and S. Lees, to Conmar Products Corp. 2,705,322, Cl. 1—3.
- Prusha, Hertha: *See*—  
Horvath, Alexander M. 2,710,224.
- Prutzman, Paul E. 2,708,086, Cl. 248—205.
- Prutzman, Paul E. 2,722,160, Cl. 88—98.
- Pruyn, Francis L. 2,708,828, Cl. 61—53.
- Pryde, Everett H., to E. I. du Pont de Nemours and Co. 2,715,057, Cl. 23—14.
- Pryga, Stanley A., to North American Aviation, Inc. 2,727,232, Cl. 343—729.
- Pryor, Robert C., to Phillips Petroleum Co. 2,725,014, Cl. 103—233.
- Pryslak, Nicholas E., to Radio Corp. of America. 2,708,249, Cl. 313—285.
- Przybylski, Kurt, G. Schneider, and H. Noé, to Firma F. Schichau A. G. 2,723,845, Cl. 266—23.
- Przysiecki, Theodore I., to Teletype Corp. 2,701,822, Cl. 178—17.
- Psik, Robert T., to General Motors Corp. 2,724,958, Cl. 70—181.
- Publication Corp.: *See*—  
Behringer, Alfred C. 2,717,550.
- Pucci, Joseph, to P. B. R. Mfg. Co. 2,703,741, Cl. 311—85.
- Pucci, Joseph, to P. B. R. Mfg. Co. 2,725,676, Cl. 47—47.
- Puccinelli, Sylvio: *See*—  
De Back, William, and Puccinelli. 2,699,191.
- Puchy, Clarence G., to Jack & Heintz, Inc. 2,720,570, Cl. 201—48.
- Puckett, Lawrence P., Jr., J. Schillinger, J. J. Segal, and D. Blumberg. 2,704,876, Cl. 25—131.
- Puddington, Ira E., and A. F. Sirianni, to National Research Council. 2,714,091, Cl. 252—16.
- Pudelko, Richard: *See*—  
Indergand, Josef., and Pudelko. 2,699,365.
- Puerner, George O., to P. R. Mallory & Co., Inc. 2,717,367, Cl. 339—185.
- Puette, John D.: *See*—  
Macha, Victor M., and Puette. 2,704,838.
- Pugel, Joseph P. 2,715,731, Cl. 1—187.
- Pugh, Helen G.: *See*—  
Pugh, Willis L. and H. G. 2,702,543.
- Pugh, John G. 2,724,129, Cl. 5—349.
- Pugh, Ralph G. 2,722,057, Cl. 34—75.
- Pugh, William A., Sr. 2,724,536, Cl. 229—7.
- Pugh, Willis L. and H. G.; said W. L. Pugh assor. of 40% to said H. G. Pugh, and 10% to J. V. Butt. 2,702,543, Cl. 128—92.
- Pulaski, John W., to General Electric Co. 2,724,242, Cl. 62—103.
- Pulera, Joseph A. 2,725,905, Cl. 143—73.
- Pulford, Kenneth B.: *See*—  
Barton, William A., Pulford, and Rivington. 2,715,738.
- Pulford, Kenneth B., to United Shoe Machinery Corp. 2,725,033, Cl. 118—407.
- Pulido, Robert: *See*—  
Molina, Alfonso P. 2,715,284.
- Pullar, Harold B.: *See*—  
Endres, Herbert A., Shaw, and Pullar. 2,700,655.
- Pullen, Raymond R. 2,703,119, Cl. 144—115.
- Pullen, Raymond R. 2,726,478, Cl. 43—100.
- Pulleyblank, Aubrey V.: *See*—  
Richards, Jesse W., and Pulleyblank. 2,719,749.
- Pullin, Cyril G.: *See*—  
Shapiro, Jacob S., and Pullin. 2,703,624.
- Pullin, Cyril G., and J. S. Shapiro, to Autogiro Co. of America. 2,721,615, Cl. 170—160.13.
- Pullis, George A.: *See*—  
Bachelet, Albert E., and Pullis. 2,719,960.
- Pullman, Joseph C., to American Cyanamid Co. 2,707,367, Cl. 57—140.
- Pullman, Joseph C., to American Cyanamid Co. 2,707,368, Cl. 57—154.
- Pullman, Joseph C., to American Cyanamid Co. 2,707,369, Cl. 57—167.
- Pullman, Joseph C., to American Cyanamid Co. 2,707,499, Cl. 139—420.



- Pullman, Joseph C., and D. D. Ritson, to American Cyanamid Co. 2,708,650, Cl. 154—140.
- Pullman (Patent) Products Ltd.: *See*—  
Buen, Anders A. 2,709,958.
- Pullman-Standard Car Mfg. Co.: *See*—  
Candlin, James E., Jr. 2,728,305.  
Candlin, James E., Jr., Norby, Aylmer, and Peterson. 2,700,507.  
Meyer, Wendel J. 2,709,973.  
Sleeman, William C., and Karger. 2,706,454.  
Spence, John H. 2,715,539.  
Test, Ellis W. 2,716,872.
- Pull-Packaging, Inc.: *See*—  
Tamarin, Bernard J. 2,701,053.
- Pulp Reproduction Co.: *See*—  
Risch, Arthur H. 2,719,376.
- Pulrang, Earl J. 2,712,709, Cl. 45—28.
- Puls, Alfred E., and E. R. Swenson, to The Babee-Tenda License Corp. 2,702,222, Cl. 311—109.
- Pulsford, Edgar W., to National Research Development Corp. 2,715,712, Cl. 324—78.
- Pulsifer, Verne, and M. V. Nevitt, to Olin Mathieson Chemical Corp. 2,712,992, Cl. 75—161.
- Pulvari, Charles F. 2,698,928, Cl. 340—173.
- Punch Engineering Pty. Ltd.: *See*—  
Skillman, Thomas S. 2,698,699.  
Skillman, Thomas S. 2,708,996.
- Punderson, John O., to E. I. du Pont de Nemours and Co. 2,700,057, Cl. 260—593.
- Punte, William F., to Continental Can Co., Inc. 2,727,483, Cl. 113—120.
- Punzmann, Carl, to Bulova Watch Co., Inc. 2,720,746, Cl. 58—5.
- Purcell, Edward M., to the United States of America as represented by the Secretary of War. 2,703,841, Cl. 250—33.63.
- Purcell, Howard M.: *See*—  
Swartz, John H., and Purcell. 2,707,118.
- Purcell, James J. 2,702,998, Cl. 66—178.
- Purcell, William F. H., to Deere & Co. 2,702,711, Cl. 275—3.
- Purchas, William J., Jr., and E. Orent, to General Motors Corp. 2,701,164, Cl. 299—115.
- Purdue Research Foundation: *See*—  
George, Roscoe H., and Cooper. 2,722,608.  
Lowe, Edmund W. 2,717,823.  
McBee, Earl T., and Bittles. 2,716,140.
- Purdy, Albert W. 2,703,267, Cl. 312—225.
- Purdv, Chester A., to Western Electric Co., Inc. 2,724,562, Cl. 242—56.
- Purdy, James A.: *See*—  
Birchall, George H., Jr., and Purdy. 2,711,846.
- Purdy, Oren G., to American Logging Tool Corp. (organized November 4, 1954). 2,718,375, Cl. 254—131.
- Purdy, Roland M., and J. F. Ludwig, to Bendix Aviation Corp. 2,699,158, Cl. 123—169.
- Pure Oil Co., The: *See*—  
Ayers, George W., and Krewer. 2,716,085.  
Bond, Donald C. 2,725,281.  
Bond, Donald C. 2,727,574.  
Bond, Donald C., and Russell. 2,724,267.  
Brennan, Elmer W. 2,721,862.  
Brennan, Elmer W., and Raybould. 2,715,106.  
Ellison, Lynn E. 2,728,888.  
Goldsberry, Albert W. 2,727,855.  
Hennig, Harvey. 2,727,853.  
Marsh, Glenn A. 2,728,727.  
Martinek, Thomas W. 2,727,731.  
Millikan, Allen F. 2,724,681.  
Proctor, Ronald R. 2,727,959.  
Thacker, Carlisle M., and Folkins. 2,714,085.  
Walker, Joseph, and Lambert. 2,727,925.  
Woertz, Byron B. 2,727,588.  
Wright, Charles S. 2,728,679.
- Purex Corp., Ltd.: *See*—  
Morrisroe, John J. 2,703,788.
- Purifoy, George R., to Westinghouse Electric Corp. 2,712,103, Cl. 318—64.
- Purinton, Ellison S.: *See*—  
Hammond, John H., Jr., and Purinton. 2,711,441.
- Puritan Cordage Mills, Inc.: *See*—  
Faulkner, Clarence F. 2,717,215.
- Purkis, Frank T.: *See*—  
Madge, Evelyn W., Purkis, Ward, and Wesley. 2,707,305.
- Purolator Products, Inc.: *See*—  
Cox, John C., and Van Nest. 2,726,184.  
Kovacs, Julius P. 2,711,725.  
Mills, Justin W. 2,711,253.
- Pursche, Harry A. 2,706,438, Cl. 97—26.
- Purse, Ernest, and E. E. Hawkins. 2,701,086, Cl. 226—129.
- Pursel, Harold R., to Beaumont Birch Co. 2,701,166, Cl. 302—17.
- Pursell, John E.: *See*—  
Ordorica, Miguel A., and Pursell. 2,721,636.
- Purvis, Joseph T.: *See*—  
Secord, Lloyd C., and Purvis. 2,713,991.
- Purvis, Joseph T., to A. V. Roe Canada Ltd. 2,710,523, Cl. 60—35.6.
- Purvis, Robert J.: *See*—  
Warren, George E., and Purvis. 2,721,594.
- Purvis, Matthew R.: *See*—  
Fitch, Karl E., Neiswinter, Purvis, and Vanderlippe. 2,710,891.
- Pusateri, Francesco J., to Crompton & Knowles Loom Works. 2,699,185, Cl. 139—188.
- Pusey & Jones Corp., The: *See*—  
Goldsmith, Philip H., and Verwayen. 2,718,823.  
Ohlson, Paul E., and Hodge. Re. 24,024.
- Putnam, Ayers B. 2,710,418, Cl. 15—104.07.
- Putnam, John T., and D. B. Bruce. 2,713,940, Cl. 206—65.
- Putnam, Paul H., to United States Steel Corp. 2,710,104, Cl. 214—23.
- Puzey Bros., Inc.: *See*—  
Puzey, Dean. 2,708,504.
- Puzey, Dean, to Puzey Bros., Inc. 2,708,504, Cl. 198—126.
- Pyciak, Roman J., to Kent-Moore Organization, Inc. 2,720,057, Cl. 51—8.
- Pye Ltd.: *See*—  
Babbs, Cyrus H. 2,724,738.  
Holland, Ernest O., and Smith. 2,705,285.  
Jackson, Donald. 2,712,035.  
Jackson, Donald. 2,725,783.  
Jackson, Donald, and Green. 2,725,805.  
Lawrence, Nathaniel Q. 2,717,919.  
Theile, Richard. 2,726,351.  
Weighton, Donald. 2,706,219.  
Wiegerinck, Hendrikus T. J. 2,712,066.
- Pyeson, Harry, to Development Research, Inc. 2,723,200, Cl. 99—171.
- Pyle, George H., to Hercules Powder Co. 2,711,965, Cl. 106—189.
- Pyle-National Co., The: *See*—  
Howard, John G. 2,723,380.  
Howard, John G., and Veselsky. 2,723,867.  
Wulle, William A. 2,701,998.
- Pyne, Horace B.: *See*—  
Bayes, Charles A., and Pyne. 2,719,047.
- Pyne, Roger S., and R. M. Anderson, to Van Norman Co. 2,727,339, Cl. 51—165.
- Pyrate Sales, Inc.: *See*—  
Kennedy, Merritt T., Jr., and De Wald. 2,714,080.
- Quackenbush, Edward C., and F. E. Runge, to Whitney Blake Co. 2,728,895, Cl. 339—89.
- Quadbeck, Guenter: *See*—  
Kuhn, Richard, and Quadbeck. 2,701,256.
- Quadt, John W., to Mergenthaler Linotype Co. 2,712,247, Cl. 76—107.
- Quaker Oats Co., The: *See*—  
Rogers, Charles E. 2,726,366.
- Rupp, Eldor G., and Proescholdt. 2,698,799.
- Schneider, Frank J., Reinhart, and Christian. 2,702,010.
- Quaker Rubber Corp.: *See*—  
Keach, James R. 2,698,458.
- Quam, Ranold F. 2,703,672, Cl. 226—124.
- Quanquin, Bernard J.: *See*—  
Andres, Louis E., and Quanquin. 2,726,949.
- Quate, Calvin F., to Bell Telephone Laboratories, Inc. 2,708,727, Cl. 315—3.5.
- Quate, Calvin F., to Bell Telephone Laboratories, Inc. 2,726,291, Cl. 179—171.
- Quayle, George F., to The Yale & Towne Mfg. Co. 2,726,000, Cl. 214—653.
- Queneau, Paul E.: *See*—  
Sproule, William K., Queneau, and Nowlan. 2,719,082.
- Queretti, Alessandro. 2,716,838, Cl. 46—105.
- Quercia, Marcel, and G. Ferdinand, to Societe d'Etudes et de Recherches Techniques (S. E. R. T.), S. A. R. L. 2,728,213, Cl. 67—7.1.
- Query, Henry. 2,700,552, Cl. 280—145.
- Querry, Merle V.: *See*—  
Bernstein, Seymour, and Querry. 2,725,388.
- Quest, Arthur E. 2,704,677, Cl. 285—77.
- Quick, Paul F., to West Bend Aluminum Co. 2,713,336, Cl. 123—196.
- Quick, Thomas E. 2,720,381, Cl. 255—1.8.
- Quick-Mount Mfg. Co., Inc.: *See*—  
Grashow, Joseph. 2,727,766.
- Quick-Way Clamp Co.: *See*—  
Ginsberg, Leon. 2,724,604.
- Quidor, Arthur N. 2,715,288, Cl. 41—2.
- Quigley, Clifford. 2,728,601, Cl. 298—17.
- Quigley, Francis T.: *See*—  
Bingeman, Wilbur H., and Quigley. 2,722,625.
- Quigley, Herbert, and H. T. Meer, to National Brass Co. 2,712,749, Cl. 70—379.
- Quin, Denis C.: *See*—  
Hawkins, Edwin G. E., Quin, and Salt. 2,715,646.
- Quinby, Charles E., S. M. Udale, and C. R. Giese, to Holley Carburetor Co. 2,705,866, Cl. 60—39.09.
- Quinlan, Amos L.: *See*—  
Birchler, Robert O., and Quinlan. 2,721,710.
- Quinlan Pretzel Co., Inc.: *See*—  
Groff, Edwin I. 2,712,291.
- Quinn, Bert A. 2,710,535, Cl. 70—150.
- Quinn, Bert A. 2,726,533, Cl. 70—153.
- Quinn, Bert A. 2,726,745, Cl. 189—46.
- Quinn, David H., to Quinn Products, Inc. 2,711,994, Cl. 210—16.
- Quinn, Edward, and N. A. Monfils, to United Shoe Machinery Corp. 2,716,765, Cl. 12—1.
- Quinn, Edward, and N. S. Ferland, to United Shoe Machinery Corp. 2,722,182, Cl. 112—51.
- Quinn, James L., to Bemis Bro. Bag Co. 2,713,370, Cl. 150—11.
- Quinn, Martin F., to Eastman Kodak Co. 2,701,233, Cl. 202—42.



- Quinn, Orion T., to O. T. Quinn, Jr. 2,699,725, Cl. 103—4.  
 Quinn, Orion T., to O. T. Quinn, Jr. 2,699,726, Cl. 103—4.  
 Quinn, Orion T., Jr.: *See*—  
   Quinn, Orion T. 2,699,725.  
   Quinn, Orion T. 2,699,726.  
   Quinn, Orion T. 2,717,492.  
 Quinn, Orion T., to O. T., Jr. 2,717,492, Cl. 60—52.  
 Quinn Products, Inc.: *See*—  
   Quinn, David H. 2,711,994.  
 Quirin, Edward J., to Frederic R. Harris, Inc. 2,705,933, Cl. 114—46.  
 Quirin, Edward J. 2,715,378, Cl. 114—46.  
 Quirk, Justin P., and L. G. P. Hafner, to Quirk Machinery Co. 2,712,661, Cl. 12—47.1.  
 Quirk Machinery Co.: *See*—  
   Quirk, Justin P., and Hafner. 2,712,661.  
 Quirk, Robert W., to Ditto, Inc. 2,721,514, Cl. 101—132.5.  
 Quirolo, Charles F., and W. F. Thurber, to North American Aviation, Inc. 2,724,669, Cl. 148—11.5.  
 Quisling, Sverre. 2,721,403, Cl. 36—71.  
 Quist, Clifford M. 2,720,900, Cl. 146—14.  
 Quist, Harold A., to Sun Oil Co. 2,710,624, Cl. 137—247.  
 Quist, Harold A., to Sun Oil Co. 2,710,625, Cl. 137—248.  
 Quist, Harold A., to Sun Oil Co. 2,717,517, Cl. 73—305.  
 Quist, Harold A., to Sun Oil Co. 2,720,888, Cl. 137—250.  
 Quistgaard, Erik V., and W. T. Dunn, to Chrysler Corp. 2,726,748, Cl. 192—85.  
 Quitter, Peter: *See*—  
   Von Reis, Alf E. G., Kreisher, Quitter, and Williamson. 2,721,820.  
 Quyle, Martin E. 2,711,049, Cl. 43—42.2.  
 Qvarfordt, Nils G.: *See*—  
   Schoessow, Glen J., Carpenter, and Qvarfordt. 2,705,574.  
 Qvarnström, Helle C., to Aktiebolaget Kafab. 2,714,219, Cl. 15—256.5.  
 R. C. S. Engineering Corp.: *See*—  
   Schultz, George E. 2,714,026.  
 RCS Engineering Corp.: *See*—  
   Schultz, George E. 2,722,244.  
 R-W Mfg. Co., The: *See*—  
   Parsons, Charles H., and Ludwig. 2,707,095.  
 Raasch, Maynard S., to E. I. du Pont de Nemours and Co. 2,707,681, Cl. 95—88.  
 Raasch, William W., to Galland-Henning Mfg. Co. 2,707,097, Cl. 259—126.  
 Rabak, William. 2,723,778, Cl. 220—47.  
 Rabben, Michael. 2,725,632, Cl. 32—66.  
 Rabby, Joseph G., to National Container Corp. 2,711,851, Cl. 229—23.  
 Rabe, Charles L.: *See*—  
   Nance, William T., and Rabe. 2,716,340.  
 Rabe, Karl, to Dr. Ing. H. C. F. Porsche K.-G. 2,717,173, Cl. 296—28.  
 Rabé, Ruth: *See*—  
   Rabé, William H. 2,722,712.  
 Rabé, William H., 50% to R. Rabé. 2,722,712, Cl. 17—11.  
 Raber, Harold G. 2,703,728, Cl. 292—288.  
 Rabinovitch, Jack. 2,724,568, Cl. 248—29.  
 Rabinow, Jacob: *See*—  
   Rotkin, Israel, Rabinow, and Guarracini. 2,714,928.  
   Whitson, William L., Rabinow, and McLean. 2,704,326.  
 Rabinow, Jacob, to the United States of America as represented by the Secretary of Commerce. 2,702,472, Cl. 73—67.  
 Rabinow, Jacob, to the United States of America as represented by the Secretary of the Navy. 2,710,578, Cl. 102—70.2.  
 Rabinow, Jacob, to the United States of America as represented by the Secretary of the Navy. 2,713,927, Cl. 192—21.5.  
 Rabinow, Jacob, to the United States of America as represented by the Secretary of the Army. 2,727,605, Cl. 192—18.  
 Rabinowitz, Irving, to Irving Machinery Co., Inc. 2,702,930, Cl. 24—30.5.  
 Rabinowitz, Irving. 2,718,991, Cl. 226—56.  
 Rabinowitz, Louis M., to Louis M. Rabinowitz Foundation, Inc. 2,713,837, Cl. 112—105.  
 Rabinowitz, Louis M., Foundation, Inc.: *See*—  
   Rabinowitz, Louis M. 2,713,837.  
 Rabkin, William, and A. J. Bencivengo, to International Mutoscope Corp. 2,703,664, Cl. 221—248.  
 Raby, Clifford. 2,711,583, Cl. 30—92.  
 Rachlin, Eva: *See*—  
   Rachlin, Max. 2,701,115.  
   Rachlin, Max. 2,717,752.  
 Rachlin, Max, deceased: H. Pollock and E. Rachlin, executors. 2,701,115, Cl. 248—71.  
 Rachlin, Max, deceased: H. Pollock and E. Rachlin, executors. 2,717,752, Cl. 248—48.1.  
 Rachman, Isadore B., and S. Bobb, to P. B. R. Mfg. Co. 2,725,153, Cl. 214—383.  
 Rachnig, Walter A., to Humble Pipe Line Co., or designee. 2,701,952, Cl. 60—97.  
 Rachnig, Walter A., to Humble Pipe Line Co. 2,714,290, Cl. 60—97.  
 Rackett, Gerald F., to Columbia Pictures Corp. 2,702,312, Cl. 178—7.1.  
 Rackham, Ronald H., and T. B. Livingstone, to Tannoy Ltd. 2,717,932, Cl. 179—179.  
 Radar Inc.: *See*—  
   Page, Robert M. 2,721,321.  
   Philpott, La Verne K. 2,714,163.  
 Radcliffe, Arthur J., Jr., to, now by merger, International Telephone and Telegraph Corp. 2,725,532, Cl. 333—11.  
 Radcliffe, Milton R., to The Firestone Tire & Rubber Co. 2,713,589, Cl. 260—429.  
 Radde, Erich M. H. 2,711,422, Cl. 260—464.  
 Radecki, Edwin A.: *See*—  
   Schlaeger, Albert J., and Radecki. 2,723,292.  
 Rademacher, Lawrence B.: *See*—  
   Hughes, Arthur V., and Rademacher. 2,700,356.  
 Rademakers, Adriaan: *See*—  
   Cluven, Johannes M., Rademakers, Rathenau, and Smit. 2,722,617.  
   Van Urk, Arend T., and Rademakers. 2,698,917.  
 Rader, Elizabeth B. 2,722,055, Cl. 33—108.  
 Radford, Paul S. 2,714,964, Cl. 210—131.  
 Radiart Corp.: *See*—  
   Gray, Donald E. 2,727,404.  
 Radiation, Inc.: *See*—  
   Bruck, George. 2,708,734.  
 Radiation Research Corp.: *See*—  
   Coleman, John H. 2,701,319.  
 Radiator Specialty Co.: *See*—  
   Blumenthal, Herman. 2,719,505.  
 Radice, Ambrogio. 2,727,164, Cl. 310—86.  
 Radile, Louis L. 2,706,555, Cl. 206—9.  
 Radin, Harry M., and L. F. and W. C. Beckham. 2,701,658, Cl. 214—620.  
 Radin, Harry M., and L. F. and W. C. Beckham. 2,709,011, Cl. 214—91.  
 Radin, Jack, to Supreme Knitting Machine Co., Inc. 2,710,527, Cl. 66—93.  
 Radio Corp. of America: *See*—  
   Anderson, Earl I. 2,718,552.  
   Armstrong, Charles W. 2,710,940.  
   Arsem, Alvan D. 2,716,218.  
   Artzt, Maurice. 2,701,862.  
   Atwood, John B. 2,725,467.  
   Avins, Jack. 2,717,920.  
   Avins, Jack, and Kronenberg. 2,712,568.  
   Ayres, William R. 2,716,189.  
   Baird, Donald R. 2,704,340.  
   Bain, George W., Jr., and Johnson. 2,704,821.  
   Baker, Richard E. 2,717,976.  
   Ballard, David C. 2,717,322.  
   Barton, Loy E. 2,702,379.  
   Barton, Loy E., and Sherwood. 2,714,566.  
   Bedford, Alda V. 2,708,257.  
   Bedford, Alda V. 2,728,812.  
   Beers, Roy A. 2,715,180.  
   Beers, Roy A., Jr., and Gensel. 2,713,634.  
   Beers, Roy A., Jr., and Neubauer. 2,726,325.  
   Benway, Robert E. 2,726,347.  
   Benway, Robert E. 2,726,348.  
   Bibby, James. 2,707,995.  
   Blanks, Henry S. 2,728,021.  
   Borkan, Harold. 2,714,130.  
   Borkan, Harold, and Weimer. 2,698,874.  
   Brock, Frank M. 2,724,777.  
   Brown, George H. 2,713,152.  
   Brustman, Joseph A., and Chien. 2,702,380.  
   Bucher, Thomas T. N. 2,708,739.  
   Burns, Leslie L., Jr. 2,701,469.  
   Burnside, Don G. 2,715,096.  
   Burnside, Don G. 2,728,008.  
   Busby, John W., and Morris. 2,726,346.  
   Byrd, John F., and Phyfe. 2,722,570.  
   Canfora, Arthur E., Lignori, and Mandato. 2,705,261.  
   Carlson, Wendell L. 2,706,775.  
   Carpenter, Marshall M., Jr. 2,728,022.  
   Carpenter, Marshall M., Jr. 2,728,028.  
   Carson, Benjamin R. 2,722,225.  
   Chandler, Charles H. 2,704,327.  
   Chang, Kern K. N. 2,704,828.  
   Chang, Kern K. N., and Donal. 2,710,923.  
   Christian, Schuyler M. 2,719,799.  
   Clay, Burton R. 2,704,829.  
   Clay, Burton R. 2,717,323.  
   Cohen, Robert M., and Prager. 2,721,951.  
   Coleman, John H. 2,727,987.  
   Collins, John A. 2,713,157.  
   Cooke, Harry L. 2,727,946.  
   Cornet, Edwin. 2,715,179.  
   Coughlin, Joseph J. Re. 23,932.  
   Covely, Frank D. 3rd. 2,718,609.  
   Darling, Woodrow. 2,725,473.  
   Del Valle, Guillermo A. 2,705,640.  
   Diffenderfer, John B. 2,719,355.  
   Donahue, Daniel J., and Rennie. 2,702,270.  
   Dornfeld, Edmund G. 2,720,606.  
   Du Hamel, Raymond H. 2,706,780.  
   Duke, Vernon J. 2,717,931.  
   Dunn, Ted E. 2,726,383.  
   Dutton, Oscar B. 2,703,387.  
   Eberhard, Everett, and Endres. 2,704,792.  
   Endres, Richard O., and Blair. 2,711,509.  
   Engel, William T. 2,725,901.  
   Engley, Jenness P., and MacInnes. 2,724,829.  
   Ergen, William K. 2,702,367.  
   Evans, John E. 2,726,289.  
   Everett, Frederick C. 2,701,339.  
   Faulkner, Richard D., Barnes, and Grimes. 2,728,009.  
   Fernsler, George L. 2,704,816.  
   Fiet, Owen O. 2,705,304.  
   Fiet, Owen O. 2,724,774.



Radio Corp. of America: *See*—Continued.

Finkelstein, Morris B. 2,700,747.  
 Flory, Leslie E. 2,700,151.  
 Flory, Leslie E. 2,702,356.  
 Ford, John R. 2,716,186.  
 Ford, Thomas H. 2,720,090.  
 Forgue, Stanley V. 2,710,813.  
 Fox, Leonard P. 2,720,493.  
 Frantz, Walter J. 2,712,062.  
 Fredenburgh, Mark N. 2,719,786.  
 Fredendall, Gordon L. 2,711,516.  
 Fredendall, Gordon L. 2,714,132.  
 Freedman, Norman S., and Rosenthal. 2,711,690.  
 Friend, Albert W. 2,700,742.  
 Friend, Albert W. 2,702,316.  
 Friend, Albert W. 2,714,176.  
 Friend, Albert W. 2,719,242.  
 Friend, Albert W. 2,719,249.  
 Friend, Albert W. 2,726,355.  
 Gallup, John L., and Paity. 2,723,205.  
 Gehman, John B. 2,713,162.  
 Giacoletto, Lawrence J. 2,701,302.  
 Giacoletto, Lawrence J. 2,702,360.  
 Giacoletto, Lawrence J. 2,712,091.  
 Gibson, John J. 2,709,240.  
 Gluyas, Thomas M., Jr. 2,707,772.  
 Gluyas, Thomas M., Jr. 2,710,894.  
 Gluyas, Thomas M., Jr. 2,728,892.  
 Goldberg, Edwin A. 2,714,129.  
 Goldsmith, Alfred N. 2,703,339.  
 Goldsmith, Alfred N. 2,728,011.  
 Goodrich, Hunter C. 2,707,248.  
 Goodrich, Hunter C., Jr. 2,714,187.  
 Goodwin, William V. 2,718,637.  
 Graham, George K. 2,725,423.  
 Grantam, Virgil M. 2,721,040.  
 Gray, George W. 2,701,311.  
 Gray, George W. 2,716,161.  
 Gray, George W., and Jensen. 2,725,500.  
 Green, Norval H. 2,708,248.  
 Greig, Harold G. 2,727,826.  
 Guanella, Gustav. 2,700,129.  
 Hall, James R. 2,714,634.  
 Harris, James S. 2,716,156.  
 Harris, James S. 2,724,739.  
 Harvey, Robert L. 2,723,239.  
 Hegyi, Imre J. 2,728,010.  
 Hershberger, William D. 2,702,350.  
 Hershberger, William D. 2,702,351.  
 Hershberger, William D. 2,705,284.  
 Hershberger, William D. 2,712,068.  
 Hershberger, William D. 2,712,070.  
 Hershberger, William D. 2,714,660.  
 Hirmann, Julius. 2,719,544.  
 Hobbs, Linder C. 2,719,959.  
 Holmes, David D., and Stanley. 2,708,717.  
 Hoover, Merle V. 2,707,250.  
 Hoover, Merle V. 2,711,505.  
 Horowitz, Leopold A., and Carlson. 2,702,344.  
 Houghton, William D. 2,700,697.  
 Houghton, William D. 2,721,956.  
 Houghton, William D. 2,725,419.  
 Houghton, William D. 2,725,470.  
 Howery, Richard W. 2,716,746.  
 Hoyt, Clyde W., and Thomas. 2,718,550.  
 Isom, Warren R. 2,701,690.  
 Isom, Warren R. 2,712,771.  
 Jenny, Dietrich A. Re. 23,964.  
 Johnson, Ernest O., and Kolar. 2,714,659.  
 Kettler, Alfred H., and Hawley. 2,699,473.  
 Kihn, Harry. 2,728,875.  
 Knapp, Walter. 2,702,135.  
 Korman, Nathaniel I. 2,702,342.  
 Kovach, Leslie. 2,701,320.  
 Kroger, Marlin G., and Keizer. 2,699,463.  
 Kurshan, Jerome. 2,701,289.  
 Kurshan, Jerome. 2,728,034.  
 Larach, Simon. 2,710,262.  
 Larach, Simon. 2,727,866.  
 Law, Charles K. 2,704,329.  
 Law, Harold B. 2,702,274.  
 Law, Harold B. 2,722,623.  
 Law, Harold B. 2,727,828.  
 Lawrence, Walter F. 2,715,586.  
 Lemeshka, Milton B. 2,704,707.  
 Lindenblad, Nils E. 2,698,525.  
 Lindenblad, Nils E. 2,706,243.  
 Linder, Ernest G. 2,709,229.  
 Linder, Ernest G., and Christian. 2,720,582.  
 Lindsay, James B. 2,725,641.  
 Lindsay, James B. 2,725,846.  
 Lo, Arthur W. 2,705,287.  
 Luck, David G. C. 2,717,735.  
 Mackey, Donald, and Sass. 2,728,818.  
 Maloff, Tony G. 2,726,573.  
 Mark, John T., and Kistler. 2,727,172.  
 Markoski, John A. 2,704,726.  
 Markoski, John A. 2,727,865.  
 Mathwich, Howard R. 2,707,210.  
 Maurer, Pierre W. 2,719,543.  
 Meisenheimer, Raymond L., and Shrader. 2,706,802.  
 Mesner, Max H. 2,702,382.  
 Mesner, Max H. 2,713,149.  
 Moore, Charles E. 2,698,933.

Radio Corp. of America: *See*—Continued.

Moore, Donald G. 2,726,367.  
 Morgan, Adolph R. 2,720,133.  
 Morgan, Jeremiah M. 2,728,874.  
 Morrison, Wendell C. 2,714,704.  
 Murakami, Tomomi. 2,715,211.  
 Nelson, Herbert, and Fredenburgh. 2,726,178.  
 Nelson, Morris D. 2,726,340.  
 Nelson, Morris D. 2,728,023.  
 Nicoll, Frederick H. 2,705,764.  
 Nicoll, Frederick H. 2,707,899.  
 Norton, Lowell E. 2,707,233.  
 Norton, Lowell E. 2,714,661.  
 Norton, Lowell E. 2,714,662.  
 Norton, Lowell E. 2,714,663.  
 Norton, Lowell E. 2,716,704.  
 Norton, Lowell E. 2,728,855.  
 Oda, Donald J. 2,717,958.  
 Olive, George A. 2,724,803.  
 Olson, Harry F., and Preston. 2,699,472.  
 Olson, Harry F., and Preston. 2,699,474.  
 Olson, Harry F., and Preston. 2,718,272.  
 Oschmann, Edward F. 2,724,802.  
 Pan, Wen Y. 2,702,373.  
 Pan, Wen Y. 2,717,313.  
 Pan, Wen Y. 2,728,853.  
 Pan, Wen Y., and Carlson. 2,714,192.  
 Pantchechnikoff, Jacques L. 2,703,917.  
 Pascalar, Herbert G. 2,727,986.  
 Pensak, Louis. 2,713,604.  
 Pensak, Louis. 2,716,188.  
 Pensak, Louis. 2,728,020.  
 Person, Lars B. 2,707,268.  
 Person, Lars B. 2,719,965.  
 Peter, Rolf W. 2,719,936.  
 Pettus, James L. 2,702,705.  
 Pettus, James L. 2,709,596.  
 Pettus, James L., and Albee. 2,712,941.  
 Pettus, James L., and Blaney. 2,726,286.  
 Phelps, James C., and Sherk. 2,712,037.  
 Pilas, Frank J. 2,706,232.  
 Pilas, Frank J. 2,721,374.  
 Pressman, Ralph. 2,709,225.  
 Pryslak, Nicholas E. 2,708,249.  
 Rajchman, Jan A., and Stuart-Williams. 2,724,051.  
 Ramberg, Edward G. 2,728,024.  
 Rappaport, Paul. 2,713,644.  
 Rawson, Richard J. 2,706,242.  
 Rhodes, Roland N. 2,713,607.  
 Rhodes, Roland N., and Barco. 2,706,217.  
 Roberts, Walter V. 2,708,237.  
 Roderick, Robert W. 2,702,315.  
 Rosencrans, Charles A. 2,704,830.  
 Rotow, Alexander A. 2,723,360.  
 Rudy, William G. 2,727,170.  
 Sands, William F. 2,725,466.  
 Sands, William F. 2,727,149.  
 Schade, Otto H. 2,710,308.  
 Schneider, Helmuth F. 2,707,249.  
 Schroeder, Alfred C. 2,717,276.  
 Schroeder, Alfred C. 2,725,530.  
 Scull, William E., Jr. 2,728,027.  
 Seelen, Harry R. 2,708,774.  
 Sharp, Thomas C. 2,726,287.  
 Shenk, Eugene R., Canfora, and Volz. 2,716,158.  
 Shenk, Eugene R., and Volz. 2,714,627.  
 Shrader, Merrald B. 2,705,294.  
 Simpkins, John O., Jr. 2,723,238.  
 Singer, Kurt. 2,727,096.  
 Siskel, Manuel. 2,711,507.  
 Smith, James E. 2,707,208.  
 Smith, Lee T. 2,700,951.  
 Smith, Philip T. 2,728,019.  
 Sonnenfeldt, Richard W. 2,713,608.  
 Sonnenfeldt, Richard W. 2,716,718.  
 Sperber, Edward J. 2,706,639.  
 Sperber, Edward J. 2,706,787.  
 Stankey, James A. 2,726,180.  
 Stark, John, Jr. 2,726,354.  
 Stark, John, Jr., and Kelly. 2,725,422.  
 Sternberg, Theodore A. 2,725,617.  
 Storch, Leo. 2,724,804.  
 Stoudenheimer, Richard G., and Engstrom. 2,728,014.  
 Swedlund, Lloyd E. 2,728,012.  
 Sziklai, George C. 2,704,783.  
 Sziklai, George C. 2,713,606.  
 Sziklai, George C. 2,715,153.  
 Sziklai, George C. 2,720,811.  
 Sziklai, George C. 2,725,418.  
 Sziklai, George C. 2,725,425.  
 Sziklai, George C. 2,728,857.  
 Tannenbaum, Daniel A., and Torre. 2,706,796.  
 Thomsen, Soren M. 2,727,807.  
 Thomsen, Soren M. 2,727,808.  
 Torre, Alton J. 2,707,730.  
 Tourshou, Simeon I. 2,698,903.  
 Tourshou, Simeon I., and Maloff. 2,728,013.  
 Trachtenberg, Robert, and Westwood. 2,713,160.  
 Trevor, Bertram. 2,702,343.  
 Tricebock, Donald J. 2,711,510.  
 Underhill, Charles R., Jr. 2,699,090.  
 Van Ormer, David D. 2,721,287.  
 Van Ormer, David D. 2,728,007.  
 Volz, Philip E. 2,706,785.



Radio Corp. of America: *See*—Continued.

- Volz, Philip E. 2,714,705.  
 Vonderschmitt, Bernard. 2,708,689.  
 Wainer, Eugene. 2,703,354.  
 Walker, William E., and Harris. 2,713,085.  
 Wallmark, John T. 2,726,353.  
 Ward, Hugh C. 2,725,200.  
 Webster, William M., Jr. 2,728,006.  
 Webster, William M., Jr., and Woolston. 2,725,505.  
 Welmer, Paul K. 2,728,025.  
 Weingarten, Morris R. 2,725,678.  
 Werenfels, Peter H. 2,709,717.  
 Westwood, David H. 2,708,258.  
 Westwood, David H. 2,716,233.  
 Wheeler, Benjamin F., Norton, and Collins. 2,706,286.  
 Wilson, Allen T. 2,716,352.  
 Wise, Bernard. 2,727,950.  
 Woods, William E. 2,702,854.  
 Zachariason, Richard H. 2,708,168.  
 Zachariason, Richard H. 2,710,286.  
 Zworykin, Vladimir K. 2,711,289.  
 Zworykin, Vladimir K. 2,725,420.
- Radioplane Co.: *See*—  
 Ewing, Edgar G. 2,701,697.
- Radke, Eleanor L., and P. L. Staats, to General Electric Co. 2,718,475, Cl. 117—54.  
 Radke, Erich K. 2,707,394, Cl. 160—345.  
 Radke, Harold H., and C. H. Kotheimer, to The B. F. Goodrich Co. 2,726,733, Cl. 183—114.2.  
 Radkowski, Leo S., to Westinghouse Electric Corp. 2,727,613, Cl. 192—138.  
 Radkowski, Leo S., R. G. Warren, T. A. Daly, and H. E. Ellerman, Jr., to the United States of America as represented by the Secretary of the Navy. 2,726,550, Cl. 74—51.1.  
 Radler, Helen B. 2,717,602, Cl. 128—275.  
 Radman, Abraham M. 2,706,313, Cl. 20—2.  
 Radnofsky, Matthew I., and D. A. Mancinelli. 2,710,972, Cl. 2—195.  
 Radocy, Paul F. 2,728,324, Cl. 119—45.  
 Radt, Martin. 2,728,149, Cl. 35—30.  
 Radtke, Adelbert C.: *See*—  
 Courtney, Joseph F., and Radtke. 2,700,253.  
 Courtney, Joseph F., and Radtke. 2,720,728.  
 Peterson, Walter R., and Radtke. 2,700,478.  
 Radtke, Adelbert C., deceased, by L. E. Radtke, administratrix, to International Harvester Co. 2,698,965, Cl. 18—13.  
 Radtke, Edwin J.: *See*—  
 Gebhardt, Willard A., and Radtke. 2,703,223.  
 Radtke, Lillian E.: *See*—  
 Radtke, Adelbert C. 2,698,965.
- Radway, Henry L., to The Empire Plow Co. 2,704,499, Cl. 97—204.  
 Radzik, Frank E. 2,712,656, Cl. 5—347.  
 Raehrs, Emery C.: *See*—  
 Boehm, Carl A., and Raehrs. 2,709,395.  
 Rafferty, Arthur W. 2,700,488, Cl. 222—71.  
 Rafferty, Richard A. 2,698,449, Cl. 15—104.16.  
 Rafoth, Bennie A., and G. E. Wauda, to Marathon Corp. 2,716,519, Cl. 229—39.  
 Rafoth, Leslie J. 2,701,550, Cl. 119—154.  
 Ragan, George L., to the United States of America as represented by the Secretary of the Navy. 2,700,137, Cl. 333—97.  
 Ragan, George W., to C. L. Smith. 2,703,926, Cl. 30—4.  
 Ragan, Randall C.: *See*—  
 Compton, Max De F., and Ragan. 2,700,008.  
 Ragan, Thomas M., to Baker Oil Tools, Inc. 2,707,999, Cl. 166—63.  
 Ragan, Thomas M., to Baker Oil Tools, Inc. 2,711,795, Cl. 166—120.  
 Ragan, Thomas M., to Baker Oil Tools, Inc. 2,713,913, Cl. 166—173.  
 Ragan, Thomas M., and B. Kriegel, to Baker Oil Tools, Inc. 2,701,614, Cl. 166—63.  
 Ragatz, Edw. G., Co.: *See*—  
 Ragatz, Edward G. 2,713,478.  
 Ragatz, Edward G., to Edw. G. Ragatz Co. 2,713,478, Cl. 261—114.  
 Ragland, Douglas, to Esso Research and Engineering Co. 2,706,027, Cl. 192—85.  
 Ragland, Douglas, to Esso Research and Engineering Co. 2,722,835, Cl. 73—312.  
 Ragland, Douglas, and G. E. Cannon, to Esso Research and Engineering Co. 2,726,063, Cl. 255—1.8.  
 Rahaim, Peter A.,  $\frac{1}{2}$  to R. B. Russell. 2,702,926, Cl. 20—92.  
 Rahm, Howard E.: *See*—  
 Kelley, Gilbert A., and Rahm. 2,700,536.
- Raible, C. Grief: *See*—  
 Jenny, Albert C. 2,711,724.  
 Raible, Charles G.: *See*—  
 Jenny, Albert C. 2,710,606.  
 Raible, Charles G., to Fanner Metal Products Co. 2,718,647, Cl. 10—54.  
 Raible, Julius, to SKF Kugellagerfabriken Gesellschaft mit beschränkter Haftung. 2,706,668, Cl. 308—169.  
 Raibourn, Paul. 2,713,116, Cl. 250—7.  
 Raibourn, Paul. 2,716,154, Cl. 178—74.  
 Raibourn, Paul, to Chromatic Television Laboratories, Inc. 2,723,305, Cl. 178—5.4.  
 Raiche, Paul A. 2,699,167, Cl. 128—216.  
 Raiche, Paul A., to Davol Rubber Co. 2,709,279, Cl. 18—58.7.  
 Raick, Julien. 2,727,816, Cl. 75—42.  
 Raicy, Frank W. 2,726,624, Cl. 115—21.
- Raifman, Joshua S. 2,698,487, Cl. 2—278.  
 Rail Flange Lubricator Co.: *See*—  
 Stidd, Charles L. 2,704,137.  
 Railroad Accessories Corp.: *See*—  
 Lavarack, Frederick C., and Hussey. 2,712,914.  
 Lavarack, Frederick C., Hussey, and Lundy. 2,713,102.  
 Railton, Denis E., and F. White; said Railton assor. of  $\frac{1}{2}$  of his share to Ideal Capsules Ltd. and said White assor. to Ideal Capsules Ltd. 2,699,265, Cl. 214—7.  
 Rain Bird Sprinkler Mfg. Corp.: *See*—  
 Coffey, Jule H. 2,702,048.  
 Rainbo-Cel, Inc.: *See*—  
 Sobel, Sol. 2,712,190.  
 Rainbow, Horace S., to Armstrong Siddeley Motors Ltd. 2,704,136, Cl. 183—62.  
 Rainbow, Horace S., and R. F. W. Guest, to Armstrong Siddeley Motors Ltd. 2,708,340, Cl. 60—35.6.  
 Raines, Thomas A., 20% to H. E. Tueffel, 20% to G. N. Guérine, 20% to J. D. Iacono, and 10% to E. G. Brust, Jr. 2,714,379, Cl. 128—2.05.  
 Rainey, Clifton K.: *See*—  
 Parker, Charles A., and Rainey. 2,699,893.  
 Parker, Charles A., and Rainey. 2,702,622.  
 Rainey, Hartley B. 2,704,502, Cl. 98—59.  
 Rainone, Nicholas J., to Westinghouse Electric Corp. 2,721,291, Cl. 313—276.  
 Rainsberg, Kenneth D. 2,721,481, Cl. 73—382.  
 Raisbeck, Gordon, to Bell Telephone Laboratories, Inc. 2,719,190, Cl. 179—171.  
 Raisbeck, Gordon, and R. L. Wallace, Jr., to Bell Telephone Laboratories, Inc. 2,713,665, Cl. 332—31.  
 Raish, Thomas W., Sr. 2,704,384, Cl. 20—40.5.  
 Raitiere, Louis P.: *See*—  
 Garman, Raymond L., and Raitiere. 2,721,319.  
 Raizen, Charles S. 2,703,469, Cl. 46—92.  
 Rajchman, Jan A., and R. Stuart-Williams, to Radio Corp. of America. 2,724,051, Cl. 250—27.  
 Rajnicek, August S. 2,718,013, Cl. 4—109.  
 Rajo Automotive Research Corp.: *See*—  
 Jagersberger, Joseph W. 2,698,613.  
 Raker, Winfred E., to Sar. Inc. 2,710,093, Cl. 206—16.  
 Rakos, Nicholas. 2,699,850, Cl. 192—17.  
 Rakowsky, Victor. 2,725,983, Cl. 209—211.  
 Rakowsky, Victor. 2,726,763, Cl. 209—172.5.  
 Rakowsky, Victor. 2,726,765, Cl. 209—211.  
 Rakowsky, Victor. 2,726,766, Cl. 209—211.  
 Rakowsky, Victor. 2,726,767, Cl. 209—211.  
 Rakowsky, Victor. 2,726,768, Cl. 209—211.  
 Raleigh, James F., to Underwood Electric & Mfg. Co., Inc. 2,720,416, Cl. 297—15.  
 Raleigh, Walter J.: *See*—  
 Armstrong, Daniel A., Raleigh, and Scott. 2,713,858.  
 Ralick, Samuel T. 2,698,443, Cl. 5—99.  
 Ralls, Jack W., to G. D. Searle & Co. 2,715,640, Cl. 260—397.45.  
 Ralston, Eldon K. 2,704,548, Cl. 137—469.  
 Ralston, Eldon K. 2,704,551, Cl. 137—494.  
 Ralston, John D. 2,717,112, Cl. 226—116.  
 Ralston, Robert H., to Hercules Powder Co. 2,722,492, Cl. 117—232.  
 Ram Domestic Products Co.: *See*—  
 Miller, Charles, and Romanelli. 2,715,512.  
 Romanelli, Pat, and Miller. 2,702,201.  
 Ramadanoff, Dimitri, to Union Carbide and Carbon Corp. 2,699,404, Cl. 117—61.  
 Ramberg, Edward G., to Radio Corp. of America. 2,728,024, Cl. 315—17.  
 Rambo, Sheldon I., and A. C. Frey, to Westinghouse Electric Corp. 2,719,273, Cl. 333—97.  
 Rambo, Sheldon I., and B. Boyd, to Westinghouse Electric Corp. 2,723,334, Cl. 219—10.77.  
 Rambo, William H.: *See*—  
 Burgon, William J. 2,714,081.  
 Rambusch Decorating Co.: *See*—  
 Burliuk, David, and Rambusch. 2,716,185.  
 Rambusch, Edward: *See*—  
 Burliuk, David, and Rambusch. 2,716,185.  
 Ramer, John L., and C. G. Molander, to The Orr Felt and Blanket Co. 2,724,414, Cl. 139—77.  
 Ramey, Axiuer J. 2,701,557, Cl. 123—141.  
 Ramey, Robert A., Jr. 2,717,965, Cl. 307—88.  
 Ramey, Robert A., Jr. 2,719,885, Cl. 179—171.  
 Rampino, Louis D., to Tide Water Associated Oil Co. 2,719,110, Cl. 106—38.  
 Rampino, Louis D. Associated, to Tide Water Associated Oil Co. 2,728,715, Cl. 196—147.  
 Ramsay, Alexander G., and A. E. Wallis, to The International Nickel Co., Inc. 2,726,951, Cl. 75—0.5.  
 Ramsay, Thomas W., to Morris Motors Ltd. 2,718,678, Cl. 20—69.  
 Ramsay, Thomas W., to Morris Motors Ltd. 2,724,877, Cl. 20—69.  
 Ramsby, Mary L.: *See*—  
 Younghusband, Mary L. 2,698,944.  
 Ramsel, Charles A., to Caterpillar Tractor Co. 2,717,067, Cl. 192—93.  
 Ramser, John H., to The Atlantic Refining Co. 2,728,218, Cl. 73—28.  
 Ramsey Corp.: *See*—  
 Marien, Melvin W. 2,715,555.  
 Ramsey, George H., to Esso Research and Engineering Co. 2,727,726, Cl. 255—61.  
 Ramsey, James C. 2,714,509, Cl. 273—106.



- Ramsey, Melvin A., to Worthington Corp. 2,709,345, Cl. 62—115.
- Ramseyer, Robert, to Society "Brevets Aero-Mecaniques." S. A. 2,717,532, Cl. 89—1.
- Ranby, Peter W., and S. T. Henderson, to Thorn Electrical Industries Ltd. 2,726,214, Cl. 252—301.4.
- Ranco Inc.: *See*—
- Hoover, Arthur M., and Greenawalt. 2,707,584.
- Raney, Estel C. 2,712,579.
- Rand, Henry J., to Magic Seal, Inc. 2,704,650, Cl. 251—324.
- Rand, Henry J., to Air Mass, Inc. 2,719,986, Cl. 5—348.
- Rand, Richard: *See*—
- Grafman, Abraham J. 2,717,664.
- Randa, Donald E. 2,711,928, Cl. 299—84.
- Randall, Anthony J. 2,705,521, Cl. 152—225.
- Randall, Arthur E., 10% to J. E. Mullins and 10% to R. W. Sterling. 2,708,905, Cl. 120—93.
- Randall, Chester J., and W. J. Gruner, to United States Rubber Co. 2,724,676, Cl. 154—139.
- Randall Co., The: *See*—
- Hall, Ralph W. 2,706,524.
- Randall, David I.: *See*—
- Hoefle, Milton L., Randall, and Renfrew. 2,704,292.
- Hoefle, Milton L., Randall, and Renfrew. 2,722,535.
- Hoefle, Milton L., Randall, and Renfrew. 2,722,536.
- Hoefle, Milton L., Randall, and Renfrew. 2,723,279.
- Randall, David I., to General Aniline & Film Corp. 2,728,774, Cl. 260—296.
- Randall, David I., and T. A. Martin, to General Aniline & Film Corp. 2,703,321, Cl. 260—275.
- Randall, David I., and E. E. Renfrew, to General Aniline & Film Corp. 2,722,534, Cl. 260—372.
- Randall, David I., and E. E. Renfrew, to General Aniline & Film Corp. 2,727,903, Cl. 260—372.
- Randall, Kenneth D., to Modern Displays. 2,704,409, Cl. 40—2.
- Randall, Pryor N., to Standard Oil Co. 2,710,886, Cl. 13—24.
- Randall, Ross D.: *See*—
- Collins, Arthur R., Ryder, and Randall. 2,699,292.
- Collins, Arthur R., Ryder, and Randall. 2,707,217.
- Randall, Walter H., to Keyes Fibre Co. 2,704,493, Cl. 92—54.
- Randebrock, Rudolf: *See*—
- Ebel, Friedrich, and Randebrock. 2,717,898.
- Randles, Arthur E., to Baljak Corp. 2,714,483, Cl. 229—31.
- Randles, Guy S.: *See*—
- Reynolds, William D., and Randles. 2,703,996.
- Randol, Glenn T. Re. 2,049, Cl. 192—073.
- Randol, Glenn T. 2,700,216, Cl. 30—62.
- Randol, Glenn T. 2,704,057, Cl. 123—90.
- Randol, Glenn T. 2,705,482, Cl. 123—90.
- Randol, Glenn T. 2,707,885, Cl. 74—472.
- Randol, Glenn T. 2,709,850, Cl. 30—57.
- Randol, Glenn T. 2,709,851, Cl. 30—57.
- Randol, Glenn T. 2,715,268, Cl. 30—64.
- Randol, Glenn T. 2,716,678, Cl. 200—61.89.
- Randolph, Chalmers H., to Minnesota Mining & Mfg. Co. 2,706,368, Cl. 51—170.
- Randolph, John W.: *See*—
- Nigh, Robert R., and Randolph. 2,706,357.
- Randolph, Seldon L. 2,722,129, Cl. 74—220.
- Rands, Robert D., Jr.: *See*—
- Krueger, Paul A., Patterson, Turner, and Rands. 2,723,992.
- Rane, Leo, and L. R. Newhouser. 2,726,235, Cl. 260—112.
- Raney, Estel C., to Ranco Inc. 2,712,579, Cl. 200—140.
- Raney, Robert M., to The Electric Storage Battery Co. 2,716,146, Cl. 136—36.
- Raney, Russell R., to International Harvester Co. 2,726,663, Cl. 130—30.
- Raney, Russell R., V. J. Komuchar, and J. H. Bing, to International Harvester Co. 2,704,166, Cl. 214—519.
- Raney, Russell R., V. J. Komuchar, J. E. Gammie, and R. C. Evans, to International Harvester Co. 2,726,501, Cl. 55—51.
- Raney, William E.,  $\frac{1}{4}$  to C. M. Penney and  $\frac{1}{4}$  to M. J. Siebert. 2,718,376, Cl. 254—134.3.
- Rankin, Floyd C., and O. A. Good, to The McCreary Foundation, Inc. 2,715,941, Cl. 164—73.
- Rankin, Homer C.: *See*—
- Cox, Thomas O., Rankin, and Trott. 2,698,729.
- Ranko, Leonard A., and B. L. Shank. 2,712,810, Cl. 116—130.
- Ranney, Francis G., to Charak Furniture Co. 2,699,975, Cl. 311—48.
- Ranney, Francis G., to Charak Furniture Co. 2,699,976, Cl. 311—48.
- Ranous, Jack W., to Mitts and Merrill. 2,710,442, Cl. 29—96.
- Ranque, Georges, to Societe en nom collectif: Anciens Etablissements Aubert & Duval A. R. J. Duval Successeurs. 2,720,703, Cl. 33—24.
- Ransburg, Edwin M., to Ransburg Electro-Coating Corp. 2,698,814, Cl. 117—62.
- Ransburg, Edwin M., to Ransburg Electro-Coating Corp. 2,703,549, Cl. 118—51.
- Ransburg, Edwin M., to Ransburg Electro-Coating Corp. 2,723,646, Cl. 118—51.
- Ransburg, Edwin M., to Ransburg Electro-Coating Corp. 2,728,689, Cl. 117—93.
- Ransburg, Edwin M., and E. P. Miller, to Ransburg Electro Coating Corp. 2,706,964, Cl. 118—51.
- Ransburg Electro-Coating Corp.: *See*—
- Juvinall, James W. 2,724,661.
- Miller, Emery P. 2,718,477.
- Ransburg, Edwin M. 2,698,814.
- Ransburg, Edwin M. 2,703,549.
- Ransburg, Edwin M. 2,723,646.
- Ransburg, Edwin M. 2,728,689.
- Ransburg, Edwin M., and Miller. 2,706,964.
- Smart, William L. 2,728,607.
- Smart, William L., and Juvinall. 2,728,606.
- Starkey, William A. 2,711,155.
- Starkey, William A. 2,723,921.
- Ransohoff, N., Inc.: *See*—
- Ransohoff, Nathan. 2,725,643.
- Ransohoff, Nathan, to N. Ransohoff, Inc. 2,725,643, Cl. 34—242.
- Ransomes & Rapier Ltd.: *See*—
- Stokes, Antony S. 2,722,319.
- Stokes, Antony S., Worsnop, and McDonald. 2,704,615.
- Ranson, John: *See*—
- Oulianoff, George, and Ranson. 2,699,645.
- Räntsch, Kurt, to C. Zeiss. 2,699,092, Cl. 88—39.
- Ranzi, Ubaldo. 2,706,547, Cl. 192—58.
- Ranzi, Ubaldo. 2,710,680, Cl. 192—58.
- Ranzi, Ubaldo. 2,717,678, Cl. 192—58.
- Rapid-Rap, Inc.: *See*—
- Murray, Arthur J. 2,701,661.
- Rapisarda, Edward D., to Gilbert & Barker Mfg. Co. 2,710,678, Cl. 189—34.
- Rapp, Charles F.: *See*—
- Long, Marshall, Miller, and Rapp. 2,708,287.
- Rapp, George M., to Houdaille-Hershey Corp. 2,721,731, Cl. 257—124.
- Rapp, Gustav W., to R. P. Sherer, R. B. Kraetsch, and R. D. Sherer, trustees. 2,705,695, Cl. 167—55.
- Rapp, Harold L. 2,717,527, Cl. 81—7.5.
- Rappaport, Paul, to Radio Corp. of America. 2,713,644, Cl. 307—88.5.
- Rappl, Anton, to Trico Products Corp. 2,702,722, Cl. 296—44.
- Rappl, Anton, to Trico Products Corp. 2,706,291, Cl. 15—255.
- Rapplea, George W. 2,703,139, Cl. 159—4.
- Rapson, Bryan: *See*—
- Phillips, Norman W. F., Rapson, and Hollingshead. 2,723,911.
- Rapson, William H., and M. Wayman, to Canadian International Paper Co. 2,716,058, Cl. 92—13.
- Rasi, Frank M.: *See*—
- Kellman, Joseph, and Rasi. 2,698,753.
- Rask, Eric H., to Sperry Rand Corp. 2,721,642, Cl. 197—135.
- Rasmussen, Arne P., and D. W. Roese, to Westinghouse Electric Corp. 2,727,705, Cl. 244—77.
- Rasmussen, Carl. 2,706,069, Cl. 222—538.
- Rasmussen, Harald R., to Scott Testers, Inc. 2,704,696, Cl. 308—233.
- Rasmussen, Harald R., to Scott Testers, Inc. 2,722,832, Cl. 73—101.
- Rasmussen, Luther A., to Gibson Refrigerator Co. 2,700,194, Cl. 20—35.
- Rasmussen, Olaf. 2,711,638, Cl. 67—6.1.
- Rasmussen, Ragnar R. G.: *See*—
- Engdahl, Seth M. F., and Rasmussen. 2,709,214.
- Rassner, Louis. 2,709,853, Cl. 33—174.
- Ratchford, William P.: *See*—
- Fein, Martin L., Ratchford, Filachione, and Fisher. 2,700,616.
- Ratcliff, C. E.: *See*—
- Howard, Kenneth C. 2,724,205.
- Ratcliffe, George L., to National Lead Co. 2,724,696, Cl. 252—8.5.
- Ratcliffe, Temple W.: *See*—
- Jones, Maurice F., Harter, and Ratcliffe. 2,711,436.
- Ratelband, Johannes B. 2,706,612, Cl. 251—5.
- Rath, Claude C. 2,716,293, Cl. 36—3.
- Rathenau, Gerhart W.: *See*—
- Cluwen, Johannes M., Rademakers, Rathenau, and Smit. 2,722,617.
- Warmoltz, Nicolaas, and Rathenau. 2,714,680.
- Rathkey, Arthur S. 2,725,058, Cl. 128—221.
- Rathman, Gilbert, to Dresser Industries, Inc. 2,705,922, Cl. 103—128.
- Rathsprecher, David, to General Closure Corp. 2,700,484, Cl. 215—79.
- Ratigan, J. P., Inc.: *See*—
- Ratigan, James P. 2,711,312.
- Ratigan, James P., to J. P. Ratigan, Inc. 2,711,312, Cl. 267—1.
- Ratliff, Vern C. 2,720,679, Cl. 18—12.
- Ratmeyer, Walter H. 2,728,183, Cl. 56—104.
- Ratte, Heinrich: *See*—
- Geller, Julius, and Ratte. 2,717,232.
- Rattenbury, Kenneth H.: *See*—
- Toy, Arthur D. F., and Rattenbury. 2,714,100.
- Rattray, George, & Co. Inc.: *See*—
- Pasini, Harold C. 2,721,038.
- Rätz, Rudi, to Bohme Fettchemie G. m. b. H. 2,722,531, Cl. 260—307.
- Ratzer, John H., to Babcock & Wilcox Ltd. 2,707,047, Cl. 198—192.
- Rau, Eric J., to Container Corp. of America. 2,710,094, Cl. 206—45.15.
- Rau, Harry A.: *See*—
- Wilckens, Eibe A., and Rau. 2,703,130.
- Raub, Royal D. 2,715,464, Cl. 210—51.



- Rauch, Alexander. 2,701,871, Cl. 339—254.  
 Rauch, John B.: *See*—  
   Manuel, Ted B., and Rauch. 2,710,173.  
 Rauch, Konrad, to The National Cash Register Co. 2,704,634, Cl. 235—61.11.  
 Rauch, Richard R.: *See*—  
   Farber, Edward R., and Rauch. 2,727,980.  
 Rauch, William T.: *See*—  
   Boynton, Erwin R., and Rauch. 2,709,966.  
 Rauen, Carl F. 2,727,603, Cl. 192—4.  
 Raught, Arthur V., to Ford Motor Co. 2,701,665, Cl. 222—177.  
 Rauland Corp., The: *See*—  
   Buttino, Albert L. 2,715,298.  
   Nixen, David, and Snyder. 2,713,754.  
   Reed, William O. 2,714,688.  
 Rauner, Lawrence A., to Dow Corning Corp. 2,718,507, Cl. 260—19.  
 Rauner, Lawrence A., to Dow Corning Corp. 2,718,508, Cl. 260—22.  
 Rausch, Clifford E.: *See*—  
   Reynolds, Kenneth W., Billson, and Rausch. 2,716,416.  
 Rausenberger, Lawrence E., to The Steel Products Engineering Co. 2,703,868, Cl. 339—5.  
 Rauth, John D.: *See*—  
   Bender, Welcome W., Rauth, Merrill, and Richardson. 2,719,685.  
 Rautnig, Josef. 2,713,365, Cl. 144—208.  
 Ravenhall, John J.: *See*—  
   Trevaskis, Henry W., Ravenhall, and Dewar. 2,712,272.  
 Ravitch, Alexander: *See*—  
   Dworeck, Louis A. and H. G., and Ravitch. 2,711,767.  
 Rawe, Martin. 2,707,421, Cl. 93—28.  
 Rawitzer, William J.: *See*—  
   Olson, Elmer T. 2,708,381.  
   Olson, Elmer T. 2,708,382.  
 Rawl, Ethrudge F., and J. C. Pfaff; said Pfaff assor. to said Rawl. 2,709,726, Cl. 200—16.  
 Rawlings, James W. 2,716,433, Cl. 150—52.  
 Rawson, Richard J., to Radio Corp. of America. 2,706,242, Cl. 250—13.  
 Rawstron, George O.: *See*—  
   Reason, Richard E., and Rawstron. 2,701,170.  
   Reason, Richard E., and Rawstron. 2,723,461.  
 Ray, Alvin W.: *See*—  
   Ray, William R. 2,718,919.  
 Ray, Frederick E., to Socony Mobil Oil Co., Inc. 2,716,091, Cl. 252—418.  
 Ray, Harry E. 2,717,785, Cl. 280—41.  
 Ray, Joe R. 2,718,867, Cl. 116—114.  
 Ray, Joseph E.: *See*—  
   Jones, Ila W., and Ray. 2,726,595.  
 Ray, Paul O. 2,712,441, Cl. 270—58.  
 Ray, Roland. 2,704,170, Cl. 222—143.  
 Ray, Vida: *See*—  
   Ray, William R. 2,718,919.  
 Ray, William A.: *See*—  
   Ray, William R. 2,718,919.  
 Ray, William A., to General Controls Co. 2,700,393, Cl. 137—66.  
 Ray, William A., to General Controls Co. 2,703,095, Cl. 137—66.  
 Ray, William A., to General Controls Co. 2,705,045, Cl. 158—11.  
 Ray, William A., to General Controls Co. 2,707,518, Cl. 158—136.  
 Ray, William A. 2,712,429, Cl. 251—130.  
 Ray, William A., to General Controls Co. 2,716,394, Cl. 121—41.  
 Ray, William A., to General Controls Co. 2,719,939, Cl. 317—165.  
 Ray, William A., to General Controls Co. 2,726,359, Cl. 318—33.  
 Ray, William R., deceased; V., W. A., and A. W. Ray, executors. 2,718,919, Cl. 158—53.  
 Raybestos-Manhattan, Inc.: *See*—  
   Adams, James, Jr. 2,727,844.  
   Adams, James, Jr. 2,728,239.  
   Batchelor, Clyde S., and Steck. 2,711,775.  
   Kingman, George F. 2,711,984.  
   Novak, Izador J. 2,711,822.  
   Rohrer, John D., and Sachs. 2,718,936.  
   Steck, Rudolph E. 2,702,770.  
 Raybould, Harold G., Jr.: *See*—  
   Brennan, Elmer W., and Raybould. 2,715,106.  
 Raybrook Co.: *See*—  
   Rayburn, Alden G. 2,719,409.  
 Rayburn, Alden G., to Raybrook Co. 2,719,409, Cl. 62—117.55.  
 Rayburn, Alden G., to V. M. Carter. 2,719,424, Cl. 70—224.  
 Rayburn, Vincent A., to Western Electric Co., Inc. 2,717,125, Cl. 242—25.  
 Rayburn, Vincent A., to Western Electric Co., Inc. 2,717,127, Cl. 242—45.  
 Rayburn, Vincent A., to Western Electric Co., Inc. 2,717,285, Cl. 191—1.  
 Rayburn, Vincent A., to Western Electric Co., Inc. 2,717,776, Cl. 266—3.  
 Rayet, Paulin: *See*—  
   Braconier, Frédéric F. A., and Rayet. 2,705,732.  
 Raylite Electric Corp.: *See*—  
   Petry, John. 2,716,745.  
 Raymond, Albert L., and J. W. Cusic, to G. D. Searle & Co. 2,703,803, Cl. 260—253.  
 Raymond Concrete Pile Co.: *See*—  
   Smith, Edward A. 2,723,532.  
   Upson, Maxwell M. 2,706,498.  
 Raymond Engineering Laboratory, Inc.: *See*—  
   Almquist, Nils T. 2,702,515.  
   Blomgren, Axel E. 2,698,657.  
 Raymond, George F.: *See*—  
   Daly, Lawrence E., Raymond, and Snyder. 2,706,698.  
 Raymond, Harold D.: *See*—  
   Black, James F., and Raymond. 2,702,479.  
 Raynaud, Leonard F.: *See*—  
   Schmidt, Morton, and Raynaud. 2,701,136.  
 Rayner, Claude A. A., and F. Bird, to Ciba Ltd. 2,718,681, Cl. 22—194.  
 Raynes, Burt F. 2,717,788, Cl. 285—129.  
 Raynor, Charlie J. 2,712,233, Cl. 73—141.  
 Raynor, Forrest G., to The Babcock & Wilcox Co. 2,715,451, Cl. 183—28.  
 Raynsford, Charles K., to Vitro Corp. of America. 2,724,268, Cl. 73—194.  
 Rayonier Inc.: *See*—  
   Bock, Louis H. 2,724,723.  
   Bock, Louis H., and Anderson. 2,699,438.  
   Van Blaricom, Lloyd E., and Gray. 2,710,254.  
   Van Blaricom, Lloyd E., and Gray. 2,710,255.  
   Van Blaricom, Lloyd E., Gray, and Ward. 2,727,029.  
 Rays, Ralph J.: *See*—  
   Frick, Charles H., and Rays. 2,706,975.  
 Raytheon Mfg. Co.: *See*—  
   Anderson, Mauritz L. 2,703,790.  
   Anderson, Mauritz L. 2,722,491.  
   Argento, Henry F. 2,703,079.  
   Barr, Robert L. 2,704,359.  
   Bastow, Wendell R. 2,727,189.  
   Blass, Judd, and Shall. 2,704,802.  
   Blitz, Daniel. 2,712,625.  
   Blitz, Daniel. 2,714,206.  
   Bowen, Robert I. 2,726,327.  
   Brown, Malcolm H., and Klemperer. 2,700,741.  
   Calosi, Carlo L., and Carwile. 2,704,333.  
   Clampitt, Lawrence L., and Parks. 2,704,338.  
   Courtney, Howard W. 2,703,879.  
   Cronin, Leo J. 2,725,287.  
   Dobson, William T., III, and Kahn. 2,714,311.  
   Fletcher, Walter B. 2,706,271.  
   Fryklund, Robert A. 2,715,055.  
   Fryklund, Robert A. 2,725,547.  
   Fryklund, Robert A., and Sabin. 2,723,462.  
   Gardner, Bernard C. 2,713,648.  
   Gardner, Bernard C. 2,724,072.  
   Griefen, Richard A. 2,716,223.  
   Hall, William M. 2,717,995.  
   Hall, William M., and Gross. 2,700,092.  
   Harrison, Bertram M. 2,724,099.  
   Hergenrother, Rudolf C. 2,713,647.  
   Hosmer, Douglas W. 2,722,496.  
   Jacobi, Richard J. 2,706,277.  
   Jenks, Frederic A., and Wild. 2,713,636.  
   Johnson, Philip M. 2,712,071.  
   Kather, Erich N. 2,714,178.  
   Katz, Leonhard. 2,716,217.  
   Klemperer, Hans. 2,706,246.  
   Klemperer, Hans. 2,715,183.  
   Knauss, Harold P. 2,721,286.  
   Krasno, Maxwell R. 2,721,259.  
   La Rue, Albert D. 2,704,337.  
   Myers, Herman L. 2,720,474.  
   Myers, Herman L. 2,724,666.  
   Pritchard, Wilbur L. 2,726,333.  
   Reed, John. 2,709,242.  
   Renner, Gerard W. 2,728,063.  
   Riblet, Henry J. 2,702,884.  
   Riblet, Henry J. 2,709,241.  
   Rubin, Milton D. 2,722,607.  
   St. Jean, Lloyd E. 2,726,384.  
   Sardella, John J. 2,720,617.  
   Shelton, Earl J. 2,721,294.  
   Turner, Edwin E. 2,713,263.  
   Welch, Arthur E. 2,714,070.  
   Wimberly, Floyd T. 2,717,378.  
 Rea, Wilton T., to Bell Telephone Laboratories, Inc. 2,728,906, Cl. 340—324.  
 Read, Alfred E.: *See*—  
   Higgins, Eric B., and Read. 2,710,269.  
 Read, Arthur, to Floseal Corp. 2,701,678, Cl. 229—17.  
 Read, Chester L.: *See*—  
   Weeks, Robert L., and Read. 2,723,941.  
 Read, Douglas M., and J. Staples, to Lan-Elec Ltd. 2,718,028, Cl. 17—26.  
 Read, George E., to Insta-Freezer Corp. 2,713,474, Cl. 259—43.  
 Read, George E., L. E. Thompson, and W. W. Gollos, to W. W. Gollos, trustee. 2,718,188, Cl. 99—386.  
 Read, Leland B., to Carter Carburetor Corp. 2,713,999, Cl. 261—34.  
 Read Standard Corp.: *See*—  
   Boston, John A. 2,714,358.  
   Cook, John V. 2,703,539.  
   Nelson, Robert E. 2,728,308.  
   Rhodes, Herbert C. 2,702,624.  
   Rhodes, Herbert C. 2,704,982.  
   Rhodes, Herbert C. 2,706,043.  
   Rhodes, Herbert C. 2,728,307.



- Read Standard Corp.: *See*—Continued.  
 Rhodes, Herbert C. 2,728,506.  
 Russell, Charles L., and Steinmeyer. 2,706,034.  
 Temple, Hiram E. 2,718,972.  
 Tench, George E. 2,701,542.  
 Whitfield, Joseph E. 2,701,683.  
 Whitfield, Joseph E. 2,721,494.  
 Whitfield, Joseph E. 2,721,747.  
 Williams, Edward J. 2,706,033.
- Readecker, Robert M., to Minneapolis-Honeywell Regulator Co. 2,701,475, Cl. 74—100.  
 Reader, Ernest G., K. G. Ziemelis, and S. Karageogioeff, to Universal Match Corp. 2,714,315, Cl. 74—465.  
 Reader, Joseph T.: *See*—  
 Butler, Robert P. 2,723,084.  
 Reader, Lawrence J.: *See*—  
 Korejwa, Alfred, and Reader. 2,709,160.  
 Reading, Ralph R. 2,721,148, Cl. 117—104.  
 Reading, Walter J. 2,714,257, Cl. 34—85.  
 Reading, Walter J. 2,724,485, Cl. 198—25.  
 Ready-Power Co.: *See*—  
 Gumpfer, Harold D., and Marsh. 2,726,522.  
 Reagan, Leon H.: *See*—  
 Pharis, William W., and Reagan. 2,700,069.  
 Reagan, Leon H., to Stromberg-Carlson Co. 2,703,342, Cl. 179—27.  
 Reagan, Leon H., to Stromberg-Carlson Co. 2,719,883, Cl. 179—42.  
 Reagan, Leon H., to General Dynamics Corp. 2,726,285, Cl. 179—27.  
 Reamer, Thomas E., to Shell Development Co. 2,722,515, Cl. 252—18.  
 Reamey, Kenneth F. 2,703,235, Cl. 268—59.  
 Reap, James D., Jr. 2,699,490, Cl. 240—2.13.  
 Reardon Co., The: *See*—  
 Grossi, Frank X. 2,699,401.  
 Reardon, Patrick H.: *See*—  
 Porter, Harold M., and Reardon. 2,703,470.  
 Porter, Harold M., and Reardon. 2,722,785.  
 Reaser, Warren E., to The Sun Tool & Machine Co. 2,724,219, Cl. 51—91.  
 Reason, Richard E., to Taylor, Taylor & Hobson Ltd. 2,719,947, Cl. 346—112.  
 Reason, Richard E., and G. O. Rawstron, to Kapella Ltd. 2,701,170, Cl. 308—140.  
 Reason, Richard E., and G. O. Rawstron, to Taylor, Taylor & Hobson Ltd. 2,723,461, Cl. 33—174.  
 Reason, Richard E., J. R. Adams, and K. R. Coleman, to Kapella Ltd. 2,724,987, Cl. 88—24.  
 Reasoner, Richard C., and O. C. Helfinstine, to Buckeye Iron & Brass Works. 2,710,019, Cl. 137—463.  
 Rebenstock, August: *See*—  
 Neugebauer, Wilhelm, Barthenheier, and Rebenstock. 2,702,242.  
 Rebernigg, Robert. 2,723,854, Cl. 272—7.  
 Rebol, Elmer W.: *See*—  
 Wehrmann, Ralph F., and Rebol. 2,716,229.  
 Rebstock, Mildred C., and E. L. Pfeiffer, to Parke, Davis & Co. 2,717,268, Cl. 260—562.  
 Rebuffoni, Martin, to Westinghouse Electric Corp. 2,719,209, Cl. 219—8.  
 Rech, Robert H., to A. O. Smith Corp. 2,707,259, Cl. 318—207.  
 Rechler, Morton D., to Rexart Metal Industries, Inc. 2,708,962, Cl. 155—139.  
 Rechler, Morton D., to Rexart Metal Industries, Inc. 2,714,921, Cl. 155—105.  
 Rechler, Morton D., to Rexart Metal Industries, Inc. 2,715,035, Cl. 287—14.  
 Rehton, George D.: *See*—  
 Harrison, Charles C., Mead, Rehton, and Wheelon. 2,702,577.  
 Reck, Frank, to Bell Telephone Laboratories, Inc. 2,725,198, Cl. 242—7.  
 Reck, Herbert J. 2,704,146, Cl. 198—30.  
 Reck, Richard A.: *See*—  
 Vander Wal, Robert J., Harwood, and Reck. 2,712,558.  
 Reck, Richard A., and W. W. Ross, to Armour and Co. 2,727,026, Cl. 260—102.  
 Reclaimix, Inc.: *See*—  
 Neville, Charles A. 2,701,213.  
 Reconstruction Finance Corp.: *See*—  
 Dahl, Edward T. 2,720,838.  
 Manley, John C. 2,714,180.  
 Record Files, Inc.: *See*—  
 Regenhardt, Hans W. 2,726,916.  
 Regenhardt, Hans W., and Wells. 2,702,553.  
 Record, Truman,  $\frac{1}{2}$  each to G. R. Tompkins and J. S. Newhouse. 2,708,551, Cl. 236—12.  
 Rector, Clinton: *See*—  
 Corcoran, John F., Cryor, and Rector. 2,711,354.  
 Rector, Enoch. 2,719,707, Cl. 261—43.  
 Rector, Laurence L. 2,709,091, Cl. 285—22.  
 Rector, Marion R.: *See*—  
 Ruh, Robert P., and Rector. 2,716,109.  
 Reda Pump Co.: *See*—  
 Arutunoff, Armais. 2,725,824.  
 Red Devil Tools: *See*—  
 Wyman, Guy C. 2,705,389.  
 Redd Roller Bit Co.: *See*—  
 Stokes, John C. 2,712,922.  
 Redd, Thomas J. 2,726,648, Cl. 123—119.  
 Redden, Thomas K.: *See*—  
 Herres, Schuyler A., and Redden. 2,718,465.  
 Reddi-Wip, Inc.: *See*—  
 Lapin, Aaron S. 2,704,172.  
 Redell, Frederick C., to J. M. Huber Corp. 2,699,589, Cl. 24—263.  
 Redemske, Ralph F., to Servomechanisms, Inc. 2,714,309, Cl. 73—178.  
 Reder, Otto. 2,700,515, Cl. 244—15.  
 Redfield, Alfred C.: *See*—  
 Vine, Allyn C., Redfield, Jacobson, and Russell. 2,704,936.  
 Redick, David C., to General Motors Corp. 2,702,327, Cl. 200—61.34.  
 Reding, Marcel, and W. Bossard, to J. R. Geigy A. G. 2,707,182, Cl. 260—173.  
 Reding, Marcel, and W. Bossard, to J. R. Geigy A. G. 2,707,183, Cl. 260—173.  
 Redington, F. B., Co.: *See*—  
 Malhiot, Clarence J. 2,723,516.  
 Redlich, Ernest W., to Western Electric Co., Inc. 2,704,637, Cl. 242—4.  
 Redman, Cecil L., to Shell Development Co. 2,712,921, Cl. 255—24.  
 Redman, Frank R. 2,714,756, Cl. 26—18.5.  
 Redman, Frank R., J. Hamilton, and J. P. Wilson, to Proctor & Schwartz, Inc. 2,700,202, Cl. 26—18.5.  
 Redmon, Don M.: *See*—  
 Backman, William O., and Redmon. 2,708,563.  
 Redmond Co., Inc.: *See*—  
 Dean, Robert O. 2,720,601.  
 Latta, Edward. 2,717,518.  
 Redmond, John A.: *See*—  
 Kuhne, Clarence A., and Redmond. 2,725,450.  
 Redmond, John A., to Westinghouse Electric Corp. 2,724,763, Cl. 219—10.79.  
 Redmond, John C., and J. W. Graham, to Kennametal Inc. 2,711,009, Cl. 29—182.7.  
 Redmond, Robert L., and L. H. Heuer, to Automotive Spring Co. 2,703,428, Cl. 16—86.  
 Reece Corp., The: *See*—  
 Reese, Franklin A. 2,702,016.  
 Reece, Francis A., to Walton Siding Co. 2,705,514, Cl. 144—281.  
 Reece, Franklin A., to The Reece Corp. 2,702,016, Cl. 112—219.  
 Reece, Herbert A. 2,721,736, Cl. 263—44.  
 Reece, Herbert A., and C. A. Hartman. 2,709,009, Cl. 214—18.  
 Reed-Cromex Corp.: *See*—  
 Reed, Erwin. 2,712,652.  
 Reed, Donald G., to the United States of America as represented by the Secretary of the Navy. 2,710,458, Cl. 35—25.  
 Reed, Erwin, deceased; W. Friedman, executor, to Reed-Cromex Corp. 2,712,652, Cl. 4—170.  
 Reed, Exa G., to Energized Materials Corp. 2,702,406, Cl. 18—1.  
 Reed, Flossie O. 2,714,212, Cl. 4—6.  
 Reed, Forrest E. 2,709,573, Cl. 255—69.  
 Reed, Frank A. 2,708,001, Cl. 166—118.  
 Reed, Frank J., to The International Electronics Co. 2,714,512, Cl. 274—4.  
 Reed, Frank J., to The International Electronics Co. 2,717,282, Cl. 179—100.2.  
 Reed, Frank J., and L. J. Bobb, to The International Electronics Co. 2,719,884, Cl. 179—100.2.  
 Reed, George W.: *See*—  
 McKenzie, Walter H. 2,711,880.  
 Reed, Harold W.: *See*—  
 Howe, William H., and Reed. 2,698,462.  
 Reed, Howard D. 2,699,010, Cl. 45—24.  
 Reed, Jesse O. 2,710,260, Cl. 99—214.  
 Reed, John, to Raytheon Mfg. Co. 2,709,242, Cl. 333—21.  
 Reed, Kenneth J., to Eastman Kodak Co. 2,725,378, Cl. 260—240.7.  
 Reed, Lawrence E. 2,712,444, Cl. 273—1.  
 Reed, Lenore M. 2,709,861, Cl. 38—71.  
 Reed, Lionel C.: *See*—  
 Laufer, Louis, Reed, and Gutcho. 2,702,799.  
 Reed, Macdonald S. 2,709,933, Cl. 29—552.  
 Reed, Macdonald S. 2,716,805, Cl. 29—548.  
 Reed, Macdonald S. 2,716,806, Cl. 29—548.  
 Reed, Melvin M. 2,727,782, Cl. 296—91.  
 Reed Mfg. Co.: *See*—  
 Petersen, Thorvald. 2,703,027.  
 Petersen, Thorvald. 2,726,564.  
 Reed-Prentice Corp.: *See*—  
 Smith, Donald J. 2,714,406.  
 Reed, Ralph V.: *See*—  
 Chambers, Caswell G. 2,723,428.  
 Reed, Raymond E., to The Gillette Co. 2,718,068, Cl. 34—96.  
 Reed, Robert G.: *See*—  
 Breisch, Edgar W., and Reed. 2,700,085.  
 Reed, Robert H., to Mavor & Coulson Ltd. 2,718,962, Cl. 198—172.



- Reed Roller Bit Co.: *See*—  
 Boice, Elvin G. 2,700,443.  
 Boice, Elvin G. 2,711,912.  
 Boice, Elvin G. 2,719,026.  
 Boice, Elvin G. 2,721,058.  
 Boice, Elvin G. 2,727,729.  
 Boice, Elvin G., and Peter. 2,719,027.  
 Boice, Elvin G., and Peter. 2,728,559.  
 Noble, Wiley B. 2,719,028.  
 Rees, Shropshire E. 2,726,677.  
 Schmid, Paul E. 2,714,876.  
 Scott, Elmer T. 2,704,950.  
 Stokes, John C. 2,704,655.  
 Reed, Verner Z., Jr. 2,711,712, Cl. 116—174.  
 Reed, Wade R. 2,708,140, Cl. 302—14.  
 Reed, Wendell E.: *See*—  
 Baker, John H., and Reed. 2,726,507.  
 Reed, William O., to The Rauland Corp. 2,714,688, Cl. 315—13.  
 Reeder, Ralph J. 2,707,091, Cl. 248—353.  
 Reedy, Willis L.: *See*—  
 Fausek, Arthur J. and I. F., Reedy, and Copeland. 2,727,413.  
 Reek, Royal J.: *See*—  
 Wisman, Franklin O., and Reek. 2,727,166.  
 Reel, Paul F. 2,703,403, Cl. 2—14.  
 Reenstra, Willard A.: *See*—  
 Brewer, Sherman T., Reenstra, and Ritchie. 2,724,744.  
 Bruce, Edmond, and Reenstra. 2,724,746.  
 Rees, Clarence A., to Illinois Tool Works. 2,727,551, Cl. 151—7.  
 Rees, Harry V., and F. B. Sellers, to Texaco Development Corp. 2,702,240, Cl. 75—26.  
 Rees, Herbert L., and R. B. Henrickson, to Eastman Kodak Co. 2,706,687, Cl. 95—88.  
 Rees, John H. 2,723,853, Cl. 272—1.  
 Rees, John, and H. J. Pollard, to The Bristol Aeroplane Co., Ltd. 2,715,598, Cl. 154—126.  
 Rees, Louis N. Re. 23,934, Cl. 214—147.  
 Rees, Mackworth G., Inc.: *See*—  
 Botterill, John W., and Jorstad. 2,702,311.  
 Rees, Norman J., to Socony Mobil Oil Co., Inc. 2,710,121, Cl. 222—510.  
 Rees, Shropshire E., to Reed Roller Bit Co. 2,726,677, Cl. 137—494.  
 Rees, Thomas, to American Cyanamid Co. 2,710,865, Cl. 260—250.  
 Rees, Thomas, and F. B. Dorf, to American Cyanamid Co. 2,723,974, Cl. 260—250.  
 Reese, Arthur F. 2,714,898, Cl. 137—799.  
 Reese, Howard S., and T. E. Peterson. 2,723,835, Cl. 255—19.  
 Reese, Michael, Research Foundation: *See*—  
 Levinson, Sidney O., and Oppenheimer. 2,725,482.  
 Reese, Morris T.: *See*—  
 Prior, Roger A., and Reese. 2,707,261.  
 Reese, William M., to Industrial Instrument Corp. 2,712,968, Cl. 308—187.1.  
 Reeve Electrical Co., Inc., The: *See*—  
 Caretto, Howard L. 2,726,342.  
 Reeve, Howard R.: *See*—  
 Huetten, Clarence, and Reeve. 2,712,048.  
 Reeve, Lewis, to The United Steel Cos. Ltd. 2,723,904, Cl. 23—200.  
 Reeve, Lewis, to The United Steel Cos. Ltd. 2,723,912, Cl. 75—113.  
 Reeve, Lewis, to The United Steel Companies Ltd. 2,726,142, Cl. 23—154.  
 Reeve, Lewis, and G. W. Wells, to The United Steel Cos. Ltd. 2,723,902, Cl. 23—87.  
 Reeve, Robert E. 2,708,448, Cl. 134—168.  
 Reeve, Robert E. 2,720,837, Cl. 103—25.  
 Reeve, Robert E. 2,727,491, Cl. 119—14.54.  
 Reeves, Albert M. 2,704,570, Cl. 157—1.2.  
 Reeves, Arthur E., deceased; R. G. Nichols, executor. 2,709,391, Cl. 88—16.  
 Reeves, Daniel F. C. 2,702,945, Cl. 33—46.  
 Reeves, Donald H.: *See*—  
 Hornaday, James R., and Reeves. 2,718,121.  
 Reeves, Donald H. 2,715,010, Cl. 251—74.  
 Reeves, Edward. 2,711,883, Cl. 261—41.  
 Reeves-Hoffman Corp.: *See*—  
 Minnich, Edward L. 2,705,760.  
 Reeves, J. C.: *See*—  
 Rust, John D. 2,717,481.  
 Reeves, James B., to Cutler-Hammer, Inc. 2,710,358, Cl. 307—155.  
 Reeves, Paul B., to Reliance Electric and Engineering Co. 2,714,822, Cl. 74—509.  
 Reeves Pulley Co.: *See*—  
 McClelland, John C. 2,703,986.  
 Reeves, Richard F.: *See*—  
 Van Order, Robert B., and Reeves. 2,723,917.  
 Reeves, Robert W. 2,723,046, Cl. 220—52.  
 Reeves Steel and Mfg. Co.: *See*—  
 Curtis, Rowland G. 2,703,110.  
 Refining Unincorporated: *See*—  
 Mattikow, Morris, and Perlman. 2,704,764.  
 Mattikow, Morris, and Perlman. 2,721,872.  
 Refinite Corp., The: *See*—  
 Phillips, Glenn M. 2,705,608.  
 Reflectone Corp., The: *See*—  
 Brown, Forrest W. 2,720,039.  
 Simjian, Luther G. 2,711,606.  
 Simjian, Luther G. 2,711,667.  
 Regal Plastic Co.: *See*—  
 Benson, Homer I. 2,700,179.  
 Regan, Colston J., R. J. Stephenson, and G. S. Clements, to London County Council. 2,703,782, Cl. 210—2.  
 Regan Forge & Engineering Co.: *See*—  
 Garrison, Marion A. 2,699,921.  
 Regec, John J.: *See*—  
 Powell, Leo A., Regec, and Roeber. 2,709,414.  
 Regenhardt, Hans W., to Record Files, Inc. 2,726,916, Cl. 312—341.  
 Regenhardt, Hans W., and F. R. Wells, to Record Files, Inc. 2,702,553, Cl. 129—28.  
 Regie Autonome Des Transports Parisiens: *See*—  
 Jeanson, Marcel. 2,726,739.  
 Regie des Mines de la Sarre: *See*—  
 Costes, Henri G. A. M. 2,710,672.  
 Costes, Henri G. A. M. 2,710,673.  
 Regie Nationale des Usines Renault: *See*—  
 Peras, Lucien. 2,727,504.  
 Saives, Léon. 2,724,083.  
 Saives, Léon. 2,727,288.  
 Saives, Léon. 2,727,602.  
 Regimbal, Laurent, and F. Thurmer. 2,699,172, Cl. 130—30.  
 Regimbal, Laurent, and F. Thurmer. 2,700,452, Cl. 198—179.  
 Regina Sewing Machine Corp.: *See*—  
 Rutishauser, Paul O. 2,706,458.  
 Regnault, Henri: *See*—  
 Grillet, Lucien, and Regnault. 2,727,502.  
 Regnier, Wilmer D.: *See*—  
 Day, Carl L., and Regnier. 2,704,929.  
 Regulateurs France: *See*—  
 Lerousseau, Robert, and Bourdeau. 2,717,611.  
 Rehbein, Charles A., to Shell Development Co. 2,700,641, Cl. 196—52.  
 Rehberg, Chessie E., and C. H. Fisher, to the United States of America as represented by the Secretary of Agriculture. 2,712,025, Cl. 260—347.4.  
 Rehberger, Harry. 2,727,411, Cl. 76—54.  
 Rehm, Gustav A., to Springfield Boiler Co. 2,699,761, Cl. 122—478.  
 Rehor, Donald T.: *See*—  
 Gilchrist, Allan E., Harrup, Hendrickson, and Rehor. 2,722,523.  
 Reich, Ernest C. 2,704,421, Cl. 51—26.  
 Reich, Ernst, to Ciba Ltd. 2,720,519, Cl. 260—201.  
 Reich, Harold A. 2,700,824, Cl. 33—9.  
 Reichardt, Charles J.: *See*—  
 Zeaross, Elmer W., Jr., and Reichardt. 2,709,900.  
 Reichardt, Hugo O. 2,721,064, Cl. 261—21.  
 Reichel, Frank H., and A. O. Russell, to American Viscose Corp. 2,698,967, Cl. 18—57.  
 Reichelderfer, Charles A.: *See*—  
 Norman, Edward A., Jr., and Reichelderfer. 2,704,537.  
 Reichelderfer, Charles A., to Norman Products Co. 2,704,571, Cl. 158—1.  
 Reichenstein, Wilfred R.: *See*—  
 Kuhn, Wayne H., and Reichenstein. 2,713,428.  
 Reichert, Allan S., and R. T. Adolphson, to Shampaine Co. 2,714,541, Cl. 311—11.  
 Reichert, Hans: *See*—  
 Ritter, Friedbert, Kapp, and Reichert. 2,698,871.  
 Reichert, Howard E., and G. J. Freese, to Westinghouse Electric Corp. 2,727,966, Cl. 200—168.  
 Reichert, James B. 2,724,858, Cl. 16—36.  
 Reichert, Marianne, to Deutsch Gold- und Silber-Scheideanstalt vormals Roessler. 2,712,524, Cl. 204—140.5.  
 Reichertz, Paul P., and C. E. Francis, to Socony-Vacuum Oil Co., Inc. 2,705,418, Cl. 73—38.  
 Reichl, Reymond M., to Hydrex, Inc. 2,725,743, Cl. 73—49.6.  
 Reichman, Clarence O. 2,728,312, Cl. 110—97.  
 Reichman, Harry A. 2,717,817, Cl. 311—83.  
 Reichold, Ludwig. 2,705,631, Cl. 267—1.  
 Reid, Allen F. 2,705,230, Cl. 260—122.  
 Reid, Donald E. 2,721,009, Cl. 222—336.  
 Reid Engineering Co.: *See*—  
 Reid, James H. 2,703,499.  
 Reid, Harry B., deceased (R. Reid, executrix). 2,719,307, Cl. 4—180.  
 Reid, James C.: *See*—  
 Wilson, George, and Reid. 2,715,337.  
 Reid, James H., to Reid Engineering Co. 2,703,499, Cl. 74—531.  
 Reid, James H., to Allen B. Du Mont Laboratories, Inc. 2,725,510, Cl. 318—31.  
 Reid, John C., Jr., and G. H. Bressler, to The Atlantic Refining Co. 2,719,853, Cl. 260—346.8.  
 Reid, John D.: *See*—  
 Daul, George C., Reid, and Reinhardt. 2,721,784.  
 Daul, George C., Reinhardt, and Reid. 2,724,633.  
 Weaver, Jeremiah W., Frick, and Reid. 2,711,998.  
 Reid, John D., to the United States of America as represented by the United States Atomic Energy Commission. 2,714,165, Cl. 250—41.9.  
 Reid, John D., to the United States of America as represented by the United States Atomic Energy Commission. 2,715,196, Cl. 313—305.  
 Reid, Orland B., to The Singer Mfg. Co. 2,699,744, Cl. 112—152.  
 Reid, Orland B., to The Singer Mfg. Co. 2,712,801, Cl. 112—141.  
 Reid, Otto S. 2,708,056, Cl. 222—481.  
 Reid, Rachel: *See*—  
 Reid, Harry B. 2,719,307.



- Reid, Ralph A., and V. W. Leonard, to General Electric Co. 2,725,433, Cl. 200—38.
- Reid, Raymond W., to The Dow Chemical Co. 2,715,653, Cl. 136—100.
- Reid, Robert J., to The Firestone Tire & Rubber Co. 2,713,562, Cl. 260—4.
- Reid, Robert J., to The Firestone Tire & Rubber Co. 2,713,566, Cl. 260—45.5.
- Reid, Robert J., and C. E. Best, to The Firestone Tire & Rubber Co. 2,713,549, Cl. 154—43.5.
- Reid, Robert J., and C. E. Best, to The Firestone Tire & Rubber Co. 2,713,550, Cl. 154—43.5.
- Reid, Robert L. 2,714,147, Cl. 201—62.
- Reid, Thomas S., to Minnesota Mining & Mfg. Co. 2,706,733, Cl. 260—453.
- Reid, William B., Jr., to The Upjohn Co. 2,719,851, Cl. 260—326.3.
- Reidy, Edward L.: *See—*  
Stoddard, Emory F., and Reidy. 2,724,232.
- Reiff, Ferdinand, and H. Kirchhoff, to Zellstoffabrik Waldhof. 2,719,148, Cl. 260—211.5.
- Reiff, Orland M., and A. P. Kozacik, to Socony-Vacuum Oil Co., Inc. 2,700,673, Cl. 260—332.3.
- Reifsnnyder, James D., and J. H. Brown, to Lily-Tulip Cup Corp. 2,721,686, Cl. 229—5.5.
- Reiley, Francis V., to General Electric Co. 2,726,669, Cl. 137—85.
- Reilly, Alfred F., to Evans Case Co. 2,702,999, Cl. 67—7.1.
- Reilly, Alfred F., to Evans Case Co. 2,710,532, Cl. 67—4.1.
- Reilly, Frank E., to Electrographic Corp. 2,704,977, Cl. 101—401.3.
- Reilly, Joe: *See—*  
Rohrbach, Hans. 2,718,752.
- Reilly, Naomi. 2,710,612, Cl. 132—1.
- Reilly Tar & Chemical Corp.: *See—*  
Cislak, Francis E. 2,716,118.  
Cislak, Francis E. 2,716,119.
- Reime, Bert N., J. H. Schmidt, and E. B. Walter, to McDonnell Aircraft Corp. 2,701,440, Cl. 60—35.6.
- Reimchissel, Charles A., to Landis Machine Co. 2,711,548, Cl. 10—104.
- Reinbolt, Dale J., and D. C. Dugan. 2,701,378, Cl. 15—111.
- Reince, Helen C.: *See—*  
Christman, Peter J. 2,704,041.
- Reinecke, Howard E., to Febco, Inc. 2,722,943, Cl. 137—217.
- Reineman, Richard G.: *See—*  
Chapman, David, and Reineman. 2,709,119.  
Chapman, David, and Reineman. 2,722,965.
- Reiner Electronics Co., Inc.: *See—*  
Jonas, Walter M. 2,716,226.
- Reiner, Irving. 2,701,272, Cl. 136—111.
- Reiner, Kenneth. 2,705,991, Cl. 151—41.71.
- Reiner, Laszlo: *See—*  
Merckel, Frederick G., and Reiner. 2,700,012.
- Reiner, Laszlo, and V. S. Miller, to Wallace & Tiernan, Inc. 2,724,721, Cl. 260—516.
- Reiner, Robert, Inc.: *See—*  
Lambach, Fritz. 2,704,643.  
Lambach, Fritz. 2,709,976.  
Lambach, Fritz, and Siegel. 2,720,093.
- Reiners, Neville M., to Cummins Engine Co., Inc. 2,727,498, Cl. 123—32.
- Reiners, Neville M., to Cummins Engine Co., Inc. 2,727,503, Cl. 123—140.
- Reiners, Walter: *See—*  
Fürst, Stefan. 2,707,546.  
Fürst, Stefan. 2,707,548.
- Reiners, Walter, and S. Fürst; said Fürst assor. to said Reiners. 2,716,004, Cl. 242—37.
- Reingold, Lucien, and C. Fouré, to Office National d'Etudes et de Recherches Aeronautiques (O. N. E. R. A.). 2,716,863, Cl. 60—39.28.
- Reingold, Noah, to A. Lavenburg. 2,723,889, Cl. 311—95.
- Reingruber, Frank and J. 2,703,832, Cl. 200—139.
- Reingruber, Frank and J. 2,714,526, Cl. 297—11.
- Reingruber, Joseph: *See—*  
Reingruber, Frank and J. 2,703,832.  
Reingruber, Frank and J. 2,714,526.
- Reinhard, John F., and J. A. King, to Warner-Hudnut, Inc. 2,727,893, Cl. 260—256.4.
- Reinhard, Robert N., to Foremost Dairies, Inc. 2,705,462, Cl. 107—1.
- Reinhard, Walter J. 2,709,826, Cl. 16—16.
- Reinhard, Walter J. 2,720,245, Cl. 154—1.8.
- Reinhardt, Henry B., to American Brake Shoe Co. 2,721,707, Cl. 241—197.
- Reinhardt, Robert M.: *See—*  
Daul, George C., Reid, and Reinhardt. 2,721,784.  
Daul, George C., Reinhardt, and Reid. 2,724,633.
- Reinhart, Harold C.: *See—*  
Brodbeck, Almer H., and Reinhart. 2,720,258.
- Reinhart, Robert R.: *See—*  
Schneider, Frank J., Reinhart, and Christian. 2,702,010.
- Reinish, Gloria B., and C. E. O'Toole, to Sperry Rand Corp. 2,716,236, Cl. 343—13.
- Reinholz, William H. 2,722,967, Cl. 155—69.
- Reinking, Alvin E.: *See—*  
Hill, Edward M. 2,721,586.
- Reinold, Eugene J., and L. A. Barry, to Standard Oil Co. 2,715,516, Cl. 257—236.
- Reintjes, George P. 2,725,833, Cl. 110—99.
- Reinwald, Oskar: *See—*  
Guardiola Aragones, Jaime J. F., Devaud, and Reinwald. 2,712,521.
- Reinwald, Oskar, to Voltohm Processes Ltd. 2,712,601, Cl. 250—27.
- Reischer, Walter, and M. De Angelo, to Burndy Engineering Co., Inc. 2,711,571, Cl. 24—84.
- Reise, Herman A., to Bell Telephone Laboratories, Inc. 2,698,922, Cl. 332—50.
- Reiser, Albert L. 2,705,592, Cl. 230—188.
- Reiser, George C., to Toledo Scale Co. 2,706,626, Cl. 265—55.
- Reisert, August D., and W. C. Wittmond, to Lincoln Engineering Co. 2,717,660, Cl. 184—1.5.
- Reishauer-Werkzeuge A.-G.: *See—*  
Rickenmann, Alfred. 2,711,934.
- Reiss, Philip: *See—*  
Gold, Samuel. 2,699,616.
- Reisz, Eugene. 2,712,360, Cl. 181—32.
- Reiter, David. 2,709,302, Cl. 32—63.
- Reiter, David, to Union Broach Co., Inc. 2,725,878, Cl. 128—305.
- Reiter, David, and S. Feinstein. 2,725,877, Cl. 128—218.
- Reiter, Victor: *See—*  
Rosenfeld, Harry, Reiter, and Deakter. 2,714,925.
- Reiter, William L., S. J. Gartner, and H. W. Roeber, to Sylvania Electric Products, Inc. 2,718,095, Cl. 49—1.
- Reiterman, Le Roy C.: *See—*  
Campbell, Lee R., Ebert, Schoening, and Reiterman. 2,713,165.
- Reitstötter, Josef: *See—*  
Friedrichs, Otto. 2,718,137.
- Reitner, George M. 2,713,190, Cl. 25—131.
- Reitz, Ortwin: *See—*  
Nonnenmacher, Helmut, Oettinger, and Reitz. 2,709,151.  
Oettinger, Willi, Nonnenmacher, von Fuener, and Reitz. 2,706,705.  
Von Fuener, Wilhelm, Oettinger, Nonnenmacher, and Reitz. 2,708,180.
- Reitz, Ortwin, and W. von Fuener, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,706,209, Cl. 260—674.
- Reitzel, Georg: *See—*  
Mattill, Eugen, and Reitzel. 2,728,369.
- Reitzes, Charles. 2,716,850, Cl. 51—211.
- Reketye, Paul, to S. R. Rudolph. 2,725,627, Cl. 30—202.
- Reliable Electric Co.: *See—*  
Buckley, Arthur H. 2,700,199.  
Buckley, Arthur H. 2,700,200.
- Reliable Machine Works, Inc.: *See—*  
Friedman, Samuel. 2,713,785.
- Reliance Electric and Engineering Co.: *See—*  
Compton, William H., Duff, and Smith. 2,716,859.  
Humphrey, Andrew J. 2,724,785.  
Jenner, William C., Wick, and Newpher. 2,713,715.  
Reeves, Paul B. 2,714,822.  
Shoulders, Walter L., and Hayes. 2,717,320.  
Shrider, Kenneth L., and Picking. 2,720,621.  
Springer, William E. 2,714,839.  
Springer, William E. 2,720,186.
- Reliance Mfg. Co.: *See—*  
Wenzel, Alvin J. 2,702,387.
- Reliance Steel Products Co.: *See—*  
Braun, Ottwin L. 2,705,477.
- Relis, Matthew J., to Control Instrument Co., Inc. 2,715,722, Cl. 340—253.
- Remaly, Robert F.: *See—*  
Thorp, Clark E., Kinney, and Remaly. 2,700,648.
- Rembrandt Lamp Corp.: *See—*  
May, Frank J. 2,699,342.
- Rem-Cru Titanium, Inc.: *See—*  
Finlay, Walter L., Gosner, and Jaffee. 2,703,278.  
Jaffee, Robert I., and Ogden. 2,726,954.  
Jaffee, Robert I., Ogden, and Maykuth. Re. 24,013.  
Vordahl, Milton B. 2,704,251.
- Remfert, Bernhard: *See—*  
Kreissig, Ernst, Schaefer, Remfert, Edelman, and Müller. 2,705,605.
- Remington Arms Co., Inc.: *See—*  
Aitken, William H., Brown, and du Pont. 2,722,157.  
Catlin, Robert T., and Hickman. 2,700,764.  
Clay, Franklin B., and Sahlin. 2,709,129.  
Crittendon, Lexie R., and Haskell. 2,719,375.  
Eckstein, George R. 2,708,878.  
Finlay, Walter L., Catlin, and Hutchinson. 2,700,839.  
Kenney, Joseph F. 2,702,745.  
Kenney, Joseph F. 2,702,746.  
Kenney, Joseph F. 2,728,760.  
Leek, Wayne E. 2,719,460.  
Messinger, Lester H. 2,715,962.  
Mills, Howard W., and Schilling. 2,728,260.  
Walker, Merle H. 2,719,300.
- Remington, Frederic, and R. A. Tartaglia, to Peerless Tube Co. 2,699,252, Cl. 207—2.
- Remington Rand Inc.: *See—*  
Braun, Karl J., and Cetrangelo. 2,720,164.  
Crosman, Loring P. 2,700,503.  
Crosman, Loring P. 2,706,597.  
Dreher, Elmer H., and Schremp. 2,707,545.  
Ehnes, Charles M. 2,713,502.  
Ferry, John T., Sterling, and Mobius. 2,704,024.  
Gordon, Bernard M., and Lukoff. 2,709,747.  
Gordon, Bernard M., and Lukoff. 2,719,226.  
Guterman, Robert P. 2,698,930.



- Remington Rand Inc.: *See*—Continued.  
 Hendrickson, Arnold P. 2,708,693.  
 Layer, Ellsworth G. 2,706,141.  
 Schmitt, William F. 2,713,674.  
 Schmitt, William F. 2,713,675.  
 Schutt, Friedrich J., and Day. 2,702,629.  
 Steagall, William F. 2,709,798.  
 Steagall, William F. 2,710,952.  
 Welsh, Herbert F., Schreiner, Mock, and Eckert. 2,708,554.
- Remmen, Karl I.: *See*—  
 Bibb, John T., Remmen, and J. M. Bibb. 2,710,679.
- Rempel, Dietrich G., and F. R. Carillon, to Rempel Mfg., Inc. 2,717,849, Cl. 154—83.
- Rempel, Erika G.: *See*—  
 Rempel, Nikolaus. 2,717,237.
- Rempel Mfg., Inc.: *See*—  
 Rempel, Dietrich G., and Carillon. 2,717,849.
- Rempel, Nikolaus, deceased; E. G. Rempel, admin., to Farbenfabriken Bayer Aktiengesellschaft. 2,717,237, Cl. 204—101.
- Renard, George S.: *See*—  
 Fernandez, John J. 2,698,621.
- Renaut, Paul, to Societe a responsabilite limitee Realisations Ultrasoniques. 2,724,783, Cl. 310—8.7.
- Renberles Products Co.: *See*—  
 Brunk, Leslie L. 2,713,096.
- Rendall, John L., and D. R. Husted, to Minnesota Mining and Mfg. Co. 2,716,616, Cl. 106—273.
- Rendall, John L., and D. R. Husted, to Minnesota Mining and Mfg. Co. 2,721,807, Cl. 106—273.
- Rendel, George H., to United States Steel Corp. 2,703,384, Cl. 324—34.
- Renfrew, Edgar E.: *See*—  
 Hoeffe, Milton L., Randall, and Renfrew. 2,704,292.  
 Hoeffe, Milton L., Randall, and Renfrew. 2,722,535.  
 Hoeffe, Milton L., Randall, and Renfrew. 2,722,536.  
 Hoeffe, Milton L., Randall, and Renfrew. 2,723,279.  
 Randall, David I., and Renfrew. 2,722,534.  
 Randall, David I., and Renfrew. 2,727,903.
- Renfrew, Malcolm M.: *See*—  
 Aelony, David, and Renfrew. 2,728,747.
- Renfrew, Malcolm M., and H. Wittcoff, to General Mills, Inc. 2,705,223, Cl. 260—18.
- Renick, Wendell E.: *See*—  
 Adams, Cecil E., and Renick. 2,699,178.
- Renish, Gerald H. 2,716,608, Cl. 99—194.
- Renke, Gus. 2,725,631, Cl. 30—322.
- Renken, Georg. 2,714,793, Cl. 56—33.
- Renkenberger, Donald K. 2,723,548, Cl. 67—4.1.
- Renn, Bennie F. 2,704,525, Cl. 112—67.
- Renna, Michele, to Revolvodor International Inc. 2,712,974, Cl. 312—292.
- Renneburg, Edw., & Sons Co.: *See*—  
 Halldorsson, Gisli. 2,715,283.
- Renner, Frank. 2,702,000, Cl. 99—303.
- Renner, Gerard W., to Raytheon Mfg. Co. 2,728,063, Cl. 340—11.
- Rennerfelt, Sven B. 2,716,357, Cl. 74—691.
- Rennie, Alexander M.: *See*—  
 Donahue, Daniel J., and Rennie. 2,702,270.
- Reno, William H., to F. B. Wright Co. 2,711,816, Cl. 198—201.
- Renold, Adolph, to Bates Mfg. Co. 2,701,238, Cl. 252—192.
- Renold and Coventry Chain Co. Ltd., The: *See*—  
 Burawoy, Onissim. 2,703,019.
- Rensaa, Eiril M. 2,724,261, Cl. 72—107.
- Rentner Metal Spinning Co.: *See*—  
 Kubacki, Louis E. 2,707,845.
- Rentschler, Karl, to Alfred Gauthier G. m. b. H. 2,727,445, Cl. 95—115.
- Renutz Home Products Co.: *See*—  
 Scott, Eahl S. 2,708,764.
- Renwick, Frederick W., Sr. 2,722,260, Cl. 152—225.
- Renwick, Henry E.: *See*—  
 Anderson, Bror E., Caliendo, and Renwick. 2,704,025.
- Renz, Emil K.: *See*—  
 Arnold, Berel A., and Renz. 2,717,671.
- Renz, Emil K., to Knight Leather Co. 2,717,620, Cl. 150—34.
- Renzi, Bernard M. 2,710,969, Cl. 2—116.
- Repking, Edward F., and P. Wasyluka, to Gaylord Container Corp. 2,710,133, Cl. 229—27.
- Repking, Edward F., C. D. Fallert, and W. C. George, to Gaylord Container Corp. 2,713,964, Cl. 229—38.
- Replogle, Edward H.: *See*—  
 Bleck, Max E., and Replogle. 2,726,831.
- Replogle, Edward H., to Stanley Aviation Corp. 2,702,677, Cl. 244—122.
- Replogle, Edward H., and N. S. Majewski, to Stanley Aviation Corp. 2,709,557, Cl. 244—122.
- Repokis, Henry: *See*—  
 Gagarine, Dmitry M., and Repokis. 2,724,664.
- Reppe, Walter, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,702,304, Cl. 260—621.
- Reppe, Walter, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,716,666, Cl. 260—612.
- Reppe, Walter, H. Pasedach, and M. Seefelder, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,719,159, Cl. 260—290.
- Reppe, Walter, and H. Friederich, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,727,902, Cl. 260—343.5.
- Reppert, Richard V. 2,702,159, Cl. 235—63.
- Repsher, Leonard, and S. Pedicini, to Union Carbide and Carbon Corp. 2,699,417, Cl. 154—129.
- Republic Flow Meters Co.: *See*—  
 McMahon, Jerome B. 2,710,724.  
 McMahon, Jerome B. 2,724,962.  
 Rosenberger, Albert J. 2,706,466.
- Republic Patent Corp.: *See*—  
 Binks, Melvin J., and Samolis. 2,715,840.  
 Murphy, Frank. 2,701,558.
- Republic Steel Corp.: *See*—  
 Ayre, James H., and Farrar. 2,728,544.  
 Cain, William J. 2,719,896.  
 Crowley, Henry L. 2,716,601.  
 Farrar, Alvin J. 2,717,716.  
 Graham, Marion E., and Beidler. 2,702,738.  
 Hunt, Guilbert M. 2,719,342.  
 Krauss, Wolfgang W., and Below. 2,724,465.  
 McMahon, John W., Blank, Windle, and Poole. 2,703,183.  
 Richards, Archer W. 2,699,979.  
 Schaefer, James C. 2,722,510.  
 Van Wye, William J. 2,728,262.  
 Whitehouse, Zebulon W. 2,699,059.  
 Woina, Benjamin A. 2,709,123.
- Rerick, Albert H., to Studebaker-Packard Corp. 2,712,850, Cl. 157—1.1.
- Rerucha, Leo L., to Cornhusker Machines Co. 2,724,350, Cl. 107—22.
- Resch, Elmer P.: *See*—  
 Musebeck, George E., and Resch. 2,720,137.
- Research Corp.: *See*—  
 Andres, Stanley G. 2,717,051.  
 Armstrong, John A., and White. 2,711,225.  
 Baumrucker, William, Jr., and Flint. 2,710,153.  
 Baumrucker, William, Jr., and Flint. 2,710,154.  
 Brown, William J., and Joule. 2,702,090.  
 Buchman, Edwin R. 2,703,808.  
 Cooperman, Phillip. 2,722,284.  
 Crowder, Alexander N. 2,703,630.  
 Cunningham, Richard G. 2,725,956.  
 Davis, Albert S., Jr. 2,711,226.  
 Eilenberger, Paul F. 2,701,028.  
 Fischer, Charles W. 2,707,352.  
 Hedberg, Carl W. J. 2,708,486.  
 Hedberg, Carl W. J., and Roberts. 2,706,533.  
 Hedberg, Carl W. J., Tripp, and Wintermute. 2,708,008.  
 Hedberg, Carl W. J., and Wintermute. 2,708,487.  
 Holt, John G. 2,728,525.  
 Parker, Frank A., Jr. 2,702,949.  
 Phyl, Joseph. 2,709,497.  
 Phyl, Joseph. 2,713,920.  
 Rexford, Dean R. 2,722,542.  
 Reynolds, George T., Salvini, and Harrison. 2,698,906.  
 Richardson, Harry L. 2,705,544.  
 Richardson, Harry L. 2,712,961.  
 Richardson, Harry L. 2,727,586.  
 Roberts, Lawrence M., and Tripp. 2,722,992.  
 Schmitz, Frederick W. 2,699,224.  
 Sloan, David H. 2,720,611.  
 Streuber, Rudolf G., and Van Hoesen. 2,704,343.  
 White, Harry J. 2,704,134.  
 Wintermute, Harry A. 2,698,669.  
 Wintermute, Harry A. 2,700,429.  
 Wintermute, Harry A. 2,712,858.  
 Wintermute, Harry A. 2,712,859.  
 Wintermute, Harry A. 2,717,053.  
 Wood, Earl H. 2,706,927.  
 Woodward, Robert B. 2,701,807.  
 Woodward, Robert B. 2,702,805.
- Research Counsel, Inc.: *See*—  
 Hashimoto, Tadaichi. 2,699,409.  
 Hashimoto, Tadaichi. 2,728,733.
- Research, Inc.: *See*—  
 Sell, Wayne E., and Forrester. 2,721,945.
- Reserve Mining Co.: *See*—  
 Haley, Kenneth M. 2,707,304.
- Resistance Welders Ltd.: *See*—  
 Cumming, William R. 2,716,177.
- Resk, Michel. 2,709,560, Cl. 248—169.
- Resnick, Benjamin. 2,701,572, Cl. 132—120.
- Resnick, David. 2,721,338, Cl. 5—285.
- Respass, Forrest C., and S. C. Hamilton, Jr. 2,699,590, Cl. 25—61.
- Resseguie, Stanley. 2,726,655, Cl. 126—229.
- Restle, Albin. 2,717,594, Cl. 128—57.
- Rethwisch, Francis B.: *See*—  
 Babcock, Gordon M., and Rethwisch. 2,701,772.
- Retter, Walther, to Farbenfabriken Bayer Aktiengesellschaft. 2,719,852, Cl. 260—340.3.
- Rety, Stephen P., and J. F. Moore. 2,704,144, Cl. 193—38.
- Retz, William B., to The New Britain Machine Co. 2,709,598, Cl. 279—2.
- Retzer, Theodore C., to Westinghouse Electric Corp. 2,716,584, Cl. 316—19.
- Reuland, Frank E. 2,725,123, Cl. 188—171.
- Reurmerman, Theodor: *See*—  
 Helmig, Willem H. T., and Reurmerman. 2,722,378.
- Reuter, Clarence J., to Uarco Inc. 2,722,369, Cl. 229—69.
- Reuter, Lothar: *See*—  
 Trieschmann, Hans-Georg, Ender, Reuter, and Froese. 2,711,997.
- Reuther Tiefbau G. m. b. H.: *See*—  
 Schad, Rudolf P. J. C., and Koch. 2,707,616.
- Reutter, Jean L. 2,721,453, Cl. 62—115.
- Revallier, Leonardus J., to Stamicarbon N. V. 2,724,580, Cl. 259—4.



- Revelle, Benjamin F., to Missouri Automatic Control Corp. 2,722,276, Cl. 164—89.
- Revere Camera Co.: *See—*
- Briskin, Theodore S., and Moore. 2,711,118.
- Peto, Conrad J. 2,705,438.
- Revere Copper and Brass Inc.: *See—*
- Welden, William A. 2,715,911.
- Wilson, Wash D., and Howland. 2,708,511.
- Wyman, Glenn C. 2,719,645.
- Revere Corp. of America: *See—*
- Hazard, Charles S., and MacDonald. 2,727,392.
- Stead, Richard H. 2,713,238.
- Thurston, Arthur L. 2,716,547.
- Thurston, Arthur L. 2,723,844.
- Revoir, William H., Jr., and V. C. Smith, to Barnstead Still and Sterilizer Co., and American Optical Co. 2,703,153, Cl. 183—40.
- Revolvodor International Inc.: *See—*
- Renna, Michele. 2,712,974.
- Rewald, Charles H., Jr., to Proctor Electric Co. 2,701,425, Cl. 38—121.
- Rex, Charles H., to General Electric Co. 2,717,954, Cl. 240—23.
- Rex, Donald K.: *See—*
- Malmros, Gustav V. A., Engstrom, and Rex. 2,705,493.
- Rex, Harold B. 2,703,392, Cl. 336—130.
- Rex, Harold B. 2,716,736, Cl. 336—155.
- Rex, Harold B. 2,719,192, Cl. 179—171.
- Rex, Harold B. 2,724,807, Cl. 333—74.
- Rex, Walter A., to Esso Research and Engineering Co. 2,717,860, Cl. 196—36.
- Rexart Metal Industries, Inc.: *See—*
- Rechler, Morton D. 2,708,962.
- Rechler, Morton D. 2,714,921.
- Rechler, Morton D. 2,715,035.
- Rexford, Dean R., to Research Corp. 2,722,542, Cl. 260—484.
- Rey-Bellet, Gerald, and H. Spiegelberg, to Hoffmann-La Roche Inc. 2,726,245, Cl. 260—295.
- Rey, Joaquin G., and R. J. Garcia. 2,720,863, Cl. 120—18.
- Rey, Thomas J.: *See—*
- Spencer, Rolf E., and Rey. 2,707,590.
- Reyburn, Richard S. 2,709,109, Cl. 298—19.
- Reyes, Marcelo G. 2,699,752, Cl. 119—18.
- Reykjalin, Charles, to I. Koren. 2,717,781, Cl. 273—138.
- Reymann, Edward H., and G. J. Borella, to Austenal Laboratories, Inc. 2,716,406, Cl. 128—83.
- Reymann, George L.: *See—*
- Seagran, George W., and Reymann. 2,699,413.
- Reymersholmis Gamla Industri Aktiebolag: *See—*
- Wiklund, Johan E. 2,709,833.
- Reymes-Cole, Bernard T. R., D. N. R., and J. M. R., to The Kendall Co. 2,703,970, Cl. 66—51.
- Reymes-Cole, Bernard T. R., D. N. R., and J. M. R., to The Kendall Co. 2,703,972, Cl. 66—184.
- Reymes-Cole, David N. R.: *See—*
- Reymes-Cole, Bernard T. R., D. N. R., and J. M. R. 2,703,970.
- Reymes-Cole, Bernard T. R., D. N. R., and J. M. R. 2,703,972.
- Reymes-Cole, John M. R.: *See—*
- Reymes-Cole, Bernard T. R., D. N. R., and J. M. R. 2,703,970.
- Reymes-Cole, Bernard T. R., D. N. R., and J. M. R. 2,703,972.
- Reynolds, Alfred O.: *See—*
- Spengler, Ralph A., Reynolds, and Snyder. 2,728,169.
- Reynolds, David G. 2,698,746, Cl. 261—114.
- Reynolds, Delbert D.: *See—*
- Caldwell, John R., and Reynolds. 2,720,506.
- Fowler, William F., Jr., and Reynolds. 2,721,852.
- Reynolds, Delbert D., and W. O. Kenyon, to Eastman Kodak Co. 2,701,243, Cl. 260—79.3.
- Reynolds, Delbert D., and T. T. M. Laakso, to Eastman Kodak Co. 2,716,134, Cl. 260—570.5.
- Reynolds, Delbert D., and J. A. Cathcart, to Eastman Kodak Co. 2,725,368, Cl. 260—79.3.
- Reynolds, Delbert D., and T. T. M. Laakso, to Eastman Kodak Co. 2,725,381, Cl. 260—294.8.
- Reynolds, Ellwood W.: *See—*
- Hallam, Cecil A., and Reynolds. 2,710,394.
- Reynolds, Eugene E., to Marchant Calculators, Inc. Re. 24,042, Cl. 340—318.
- Reynolds, Eugene E., to Marchant Calculators, Inc. 2,713,456, Cl. 235—61.
- Reynolds, Frederick N. 2,704,481, Cl. 82—44.
- Reynolds Gas Regulator Co.: *See—*
- Hughes, George C. 2,707,970.
- Reynolds, George A.: *See—*
- Allen, Charles F. H., and Reynolds. 2,713,541.
- Reynolds, George A., Jr., and F. K. Holbrook, to Food Machinery and Chemical Corp. 2,720,721, Cl. 43—148.
- Reynolds, George T., G. Salvini, and F. B. Harrison, to Research Corp. 2,698,906, Cl. 250—71.
- Reynolds, Gibson, to W. D. Horn. 2,716,702, Cl. 250—2.
- Reynolds, Harry R., to The Fafnir Bearing Co. 2,718,415, Cl. 287—52.08.
- Reynolds, Henry J. 2,700,848, Cl. 47—41.
- Reynolds-Horn Research Foundation, Inc.: *See—*
- Reynolds, Walker, Jr. 2,706,475.
- Reynolds, James M.: *See—*
- Mottley, Thomas P., and Reynolds. 2,701,876.
- Reynolds, John. 2,709,380, Cl. 77—7.
- Reynolds, John D.: *See—*
- Ridder, Desmond S., and Reynolds. 2,722,565.
- Reynolds, Joseph E. 2,710,957, Cl. 340—274.
- Reynolds, Julian L. 2,707,820, Cl. 29—421.
- Reynolds, Julian L., and H. C. Lawson, to Reynolds Metals Co. 2,704,013, Cl. 93—36.01.
- Reynolds, Kenneth W., J. A. Billson, and C. E. Rausch, to General Electric Co. 2,716,416, Cl. 134—83.
- Reynolds, Lewis F., and N. W. Fesmire, to The Budd Co. 2,698,569, Cl. 98—10.
- Reynolds, Louis B.: *See—*
- Canfield, Frank V., and Reynolds. 2,726,935.
- Reynolds Mfg. Co.: *See—*
- Ward, James C. 2,717,787.
- Reynolds Metals Co.: *See—*
- Babcock, Gordon M., and Rethwisch. 2,701,772.
- Baxter, Bruce L. 2,703,978.
- Evans, Lyon D. 2,708,014.
- Fischer, Paul E., and Paulsen. 2,726,497.
- Perkins, Philip, and Staley. 2,701,396.
- Pintell, Milton H. 2,711,380.
- Reynolds, Julian L., and Lawson. 2,704,013.
- Reynolds, Peter W., and S. A. Lamb, to Imperial Chemical Industries Ltd. 2,723,997, Cl. 260—604.
- Reynolds & Reynolds Co.: *See—*
- Pfeiffer, Frank F. 2,722,436.
- Smith, Robert B. 2,722,414.
- Thompson, Lester R. 2,722,070.
- Reynolds, Richard J., to E. I. du Pont de Nemours and Co. 2,725,373, Cl. 260—92.3.
- Reynolds, Walker, Jr., to Reynolds-Horn Research Foundation, Inc. 2,706,475, Cl. 128—84.
- Reynolds, Walter F., Jr.: *See—*
- Landes, Chester G., and Reynolds. 2,698,793.
- Reynolds, William D., and G. S. Randles. 2,703,996. Cl. 77—73.5.
- Reynolds, William G. 2,716,779, Cl. 19—131.
- Reynoldson, Roland G. 2,708,979, Cl. 180—82.1.
- Reyrolle, A., & Co. Ltd.: *See—*
- Young, Austin F. B. 2,713,101.
- Rezek, Gerard: *See—*
- Godshalk, James B., Anton, and Rezek. 2,715,710.
- Rezek, William. 2,719,979, Cl. 2—132.
- Rhea, James D.: *See—*
- Howell, Fred A., and Rhea. 2,725,067.
- Rhea Mfg. Co.: *See—*
- Dolnick, Seymour S., and Glen. 2,721,818.
- Rhee, Daniel, and D. Cockburn, to Rhee Elastic Thread Corp. 2,703,436, Cl. 18—53.
- Rhee Elastic Thread Corp.: *See—*
- Rhee, Daniel, and Cockburn. 2,703,436.
- Wilhelm, Kurt E. 2,722,729.
- Rheem Mfg. Co.: *See—*
- Rheem, Richard S., and Yarbrough. 2,701,554.
- Yarbrough, Stanton L. 2,703,569.
- Zylstra, John J., and Mueller. 2,709,997.
- Rheem Mfg. Co. Employees' Pension Plan and Trust: *See—*
- Perrigney, Forrest B. 2,703,952.
- Rheem, Richard S., and S. L. Yarbrough, to Rheem Mfg. Co. 2,701,554, Cl. 122—19.
- Rhein-Chemie G. m. b. H.: *See—*
- Kern, Rudolf. 2,724,009.
- Rheinfrank, George B.: *See—*
- Howald, Arthur M., and Rheinfrank. 2,701,054.
- Rheinfrank, Lydia S., to The Spitzer Paper Box Co. 2,728,449, Cl. 206—45.22.
- Rheingans, William J., to Allis-Chalmers Mfg. Co. 2,713,643, Cl. 307—85.
- Rheinpreussen Aktiengesellschaft für Bergbau und Chemie: *See—*
- Grimme, Walter, Keil, and Schmitz. 2,701,796.
- Rheostatic Co. Ltd.: *See—*
- Chinn, Arthur J. 2,707,215.
- Rhine, Franklin E., to Sterling Steel Casting Co. 2,711,936, Cl. 308—187.
- Rhineland Paper Co.: *See—*
- Fries, Karl W., and Becker. 2,708,177.
- Tuttle, John N., and Cooper. 2,704,599.
- Rhoad, Milton J.: *See—*
- Evans, Robert D., and Rhoad. 2,706,726.
- Evans, Robert D., and Rhoad. 2,727,018.
- Rhoades, Earle D. 2,704,202, Cl. 255—1.4.
- Rhoades, John M., to General Electric Co. 2,699,654, Cl. 62—108.5.
- Rhoads, Millard A., W. D. Unruh, and W. Graber, to Auto Specialties Mfg. Co. 2,702,988, Cl. 60—52.
- Rhoades, Nolan K., to The Parker Pen Co. 2,699,147, Cl. 120—42.
- Rhoades, Nolan K., to The Parker Pen Co. 2,708,904, Cl. 120—57.
- Rhoads, Ralph W., Sr. 2,715,040, Cl. 296—24.
- Rhodes, Alan: *See—*
- Asseff, Peter A., Mastin, and Rhodes. 2,723,234.
- Asseff, Peter A., Mastin, and Rhodes. 2,723,235.
- Asseff, Peter A., Mastin, and Rhodes. 2,723,236.
- Rhodes, Albert. 2,711,185, Cl. 137—454.6.
- Rhodes, Herbert C., to Read Standard Corp. 2,702,624, Cl. 198—28.
- Rhodes, Herbert C., to Read Standard Corp. 2,704,982, Cl. 107—9.
- Rhodes, Herbert C., to Read Standard Corp. 2,706,043, Cl. 209—121.
- Rhodes, Herbert C., to Read Standard Corp. 2,728,307, Cl. 107—9.
- Rhodes, Herbert C., to Read Standard Corp. 2,728,506, Cl. 226—2.



- Rhodes, Laddie T., and K. R. Brunn. 2,721,268, Cl. 250—36.  
 Rhodes, M. H., Inc.: *See*—  
   Van Valkenburgh, Merritt, and Pritchard. 2,698,509.  
 Rhodes, Robert L.: *See*—  
   Mueller, Frank H., Tinker, and Rhodes. 2,710,163.  
 Rhodes, Robert L. 2,715,317, Cl. 62—3.  
 Rhodes, Robert P., Jr., to Coats & Clark Inc. 2,715,079, Cl. 117—102.  
 Rhodes, Roland N., to Radio Corp. of America. 2,713,607, Cl. 178—5.4.  
 Rhodes, Roland N., and A. A. Barco, to Radio Corp. of America. 2,706,217, Cl. 178—5.4.  
 Rhodes, Thomas J., to United States Rubber Co. 2,708,176, Cl. 154—2.28.  
 Rhodes, Thomas J., to United States Rubber Co. 2,710,425, Cl. 18—30.  
 Rhodes, Walter L.: *See*—  
   Frank, Paul A., and Rhodes. 2,710,524.  
 Rhodes, William A. 2,707,863, Cl. 60—36.  
 Rhodia, Inc.: *See*—  
   Meuly, Walter C., and Tremaine. 2,709,133.  
 Rhome, Jesse P.: *See*—  
   Nisperly, Walter E., and Rhome. 2,710,174.  
 Rhyne, Earl C.: *See*—  
   Behr, Herbert R., and Rhyne. 2,719,255.  
 Rhyne, Earl C., Jr., to Cline Electric Mfg. Co. 2,722,643, Cl. 318—215.  
 Rhyne, Earl C., Jr., and F. Sandgren, to Cline Electric Mfg. Co. 2,707,260, Cl. 318—229.  
 Rhyne, Earl C., Jr., and H. R. Behr, to Cline Electric Mfg. Co. 2,722,646, Cl. 318—229.  
 Riabovol, Ivan. 2,711,209, Cl. 155—94.  
 Rial, Lawrence B., and W. W. Gray. 2,707,831, Cl. 33—27.  
 Rialto Corp., The: *See*—  
   Schmitt, William H. 2,700,339.  
 Riat, Henri: *See*—  
   Hanhart, Walter, and Riat. 2,717,891.  
 Riblet, Henry J., to Raytheon Mfg. Co. 2,702,884, Cl. 333—7.  
 Riblet, Henry J., to Raytheon Mfg. Co. 2,709,241, Cl. 333—11.  
 Riblet, Joel P. 2,724,168, Cl. 27—35.  
 Riblet Tramway Co.: *See*—  
   Sowder, Tony R. 2,710,650.  
 Riblett, Earl W., to Texaco Development Corp. 2,701,757, Cl. 48—196.  
 Riblett, Earl W., and H. G. McGrath, to The M. W. Kellogg Co. 2,702,814, Cl. 260—449.6.  
 Riblett, Victor T.: *See*—  
   Fletcher, Maurice J., McKee, Riblett, and Brown. 2,706,296.  
 Ribner, Morris, to the United States of America as represented by the Secretary of the Navy. 2,717,352, Cl. 322—36.  
 Ricardo, Harry R., to National Research Development Corp. 2,720,867, Cl. 121—166.  
 Richards, Harold A., Jr., R. L. Betts, and H. M. Hartzband, to Esso Research and Engineering Co. 2,717,856, Cl. 196—29.  
 Riccardelli, Richard E. 2,714,712, Cl. 339—159.  
 Ricci, George J., Jr.,  $\frac{1}{4}$  to J. A. Ricci. 2,707,532, Cl. 188—59.  
 Ricci, Joseph A.: *See*—  
   Ricci, George J., Jr. 2,707,532.  
 Ricciuti, Michael A. 2,727,793, Cl. 304—15.  
 Rice, Charles C.: *See*—  
   Routh, Felix L. 2,709,867.  
 Rice, Charles J. 2,712,467, Cl. 294—50.8.  
 Rice, David R.: *See*—  
   Ford, Tiley L., Shaw, Howell, Pfaff, and Rice. 2,704,309.  
 Rice, Earl A. 2,720,724, Cl. 46—92.  
 Rice, Earl S.: *See*—  
   Kase, Otto E., and Rice. 2,713,390.  
 Rice, Gordon A., to KLR Laboratories, Inc. 2,712,315, Cl. 128—261.  
 Rice, Harold W.: *See*—  
   Canarone, Michael J., Rice, and Vaughn. 2,707,078.  
 Rice, Harold W., and R. C. Main, to Robertshaw-Fulton Controls Co. 2,705,531, Cl. 158—124.  
 Rice, Harry G.: *See*—  
   Rice, Nelson E. 2,721,613.  
 Rice, Henry T. M., and R. T. Stevens, to D. Stevens. 2,718,879, Cl. 121—59.  
 Rice, Henry T. M., and R. T. Stevens, to D. Stevens. 2,720,803, Cl. 81—52.4.  
 Rice, Herbert C. 2,704,112, Cl. 155—51.  
 Rice, Leon A., to Electrical Products Corp. 2,719,277, Cl. 339—50.  
 Rice, Leonard M.: *See*—  
   Geschickter, Charles F., and Rice. 2,719,848.  
   Geschickter, Charles F., and Rice. 2,721,867.  
 Rice, Leonard M., and C. F. Geschickter, to The Geschickter Fund for Medical Research, Inc. 2,720,525, Cl. 260—286.  
 Rice, Nelson E.,  $\frac{1}{2}$  to H. G. Rice. 2,721,613, Cl. 164—48.  
 Rice, Orville W.: *See*—  
   Hessler, Herbert E., Rice, and Johnson. 2,720,231.  
 Rice, Owen R., to Koppers Co., Inc. 2,707,399, Cl. 73—432.  
 Rice, Richard L., D. G. Kingsley, and G. P. Woodbury, to Stapling Machines Co. 2,726,013, Cl. 221—13.  
 Rice, Robb V., to Gane's Chemical Works, Inc. 2,715,125, Cl. 260—256.  
 Rice, Seymour S., to The Ohio Brass Co. 2,700,707, Cl. 191—59.1.  
 Rice, Walter A., to Mohawk Carpet Mills, Inc. 2,700,205, Cl. 28—72.  
 Rice, Walter A., to Mohawk Carpet Mills, Inc. 2,723,937, Cl. 154—106.  
 Rice, Wendell C. 2,707,592, Cl. 235—78.  
 Ricefield, Louis. 2,704,695, Cl. 308—194.  
 Rich, Alberta P. 2,725,563, Cl. 2—42.  
 Rich, Charles E., to The Sperry Corp. 2,701,321, Cl. 313—84.  
 Rich, John P.: *See*—  
   Burling, Elmer R., and Rich. 2,706,673.  
 Rich Mfg. Corp.: *See*—  
   Kirkpatrick, Leland W., and Vironda. 2,707,462.  
 Rich, Stanley R., to the United States of America as represented by the Secretary of the Navy. 2,703,396, Cl. 340—6.  
 Rich, Stanley R., to Magnetic Amplifier Corp. 2,706,906, Cl. 73—67.  
 Rich, Stanley R., to the United States of America as represented by the Secretary of the Navy. 2,710,950, Cl. 340—6.  
 Rich, Theodore A., to General Electric Co. 2,719,258, Cl. 321—18.  
 Rich, Theodore A., to General Electric Co. 2,721,977, Cl. 324—99.  
 Rich, Theodore A., and F. B. Foody, to General Electric Co. 2,707,737, Cl. 200—122.  
 Rich, Wilson C., Jr.: *See*—  
   Gornowski, Edward J., and Rich. 2,725,341.  
 Rich, Wilson C., Jr., to Esso Research and Engineering Co. 2,719,816, Cl. 196—8.  
 Richard, Joseph D., Jr. 2,721,101, Cl. 299—25.  
 Richard, Joseph D., Jr. 2,721,987, Cl. 340—3.  
 Richard, Peter M. 2,701,009, Cl. 155—196.  
 Richards, Alvin L.: *See*—  
   Kalin, Albert. Re. 23,994.  
 Richards, Archer W., to Republic Steel Corp. 2,699,979, Cl. 312—29.  
 Richards, Archer W., to The General Fireproofing Co. 2,702,075, Cl. 155—93.  
 Richards, Archer W., and E. J. Osterhus, to Syntrol Co. 2,727,407, Cl. 74—575.  
 Richards, Augustus J.: *See*—  
   Riordan, John M., and Richards. 2,722,909.  
 Richards, Bert L., Jr.: *See*—  
   Golding, David R. V., and Richards. 2,710,822.  
 Richards, Blaine O.: *See*—  
   Bryant, Jerrus M., and Richards. 2,708,125.  
 Richards, Charles H., to L. G. Mouchel & Partners, Ltd. 2,728,565, Cl. 261—108.  
 Richards, Courtland O., deceased, by H. A. Platt, executor. 2,699,351, Cl. 292—254.  
 Richards, Dwight, to Guy F. Atkinson Co. 2,703,515, Cl. 94—50.  
 Richards, Edwin R., to United States Steel Corp. 2,710,225, Cl. 299—47.  
 Richards, Elmer A.: *See*—  
   Livezey, William G., Storer, and Richards. 2,699,074.  
 Richards, Frank, to Ideal Toy Corp. 2,728,314, Cl. 112—79.5.  
 Richards, George F., to Teletronics Laboratory, Inc. 2,699,000, Cl. 33—172.  
 Richards, George G.: *See*—  
   Harwood, Philip S. 2,723,817.  
 Richards, Gerald M. 2,725,872, Cl. 126—62.  
 Richards, James A., Jr.: *See*—  
   Dart, Sidney L., Peterson, and Richards. 2,724,264.  
   Peterson, Leroy E., Dart, and Richards. 2,712,214.  
 Richards, Jesse W., and A. V. Pulleyblank, to Ford Motor Co. 2,719,749, Cl. 296—28.  
 Richards, John R.: *See*—  
   Verrinder, Ernest A., and Richards. 2,723,393.  
 Richards, Leslie D.: *See*—  
   Cullen, Roy H., and Richards. 2,712,920.  
 Richards, Lorenzo A. 2,718,141, Cl. 73—75.  
 Richards, Lorenzo A. 2,722,658, Cl. 324—30.  
 Richards, Lucy D. 2,718,128, Cl. 63—14.  
 Richards, Paul I., and E. E. Hays, to the United States of America as represented by the United States Atomic Energy Commission. 2,720,593, Cl. 250—41.9.  
 Richards, Ralph W.: *See*—  
   Haussler, William H., Jr., and Richards. 2,721,423.  
 Richards, Richard K.: *See*—  
   Weston, Arthur W., Moore, Richards, and Matson. 2,700,041.  
 Richards, Roger G.: *See*—  
   Blanchette, Joseph A., and Richards. 2,715,115.  
 Richards, Rose M. 2,723,064, Cl. 223—93.  
 Richards-Wilcox Canadian Co., Ltd.: *See*—  
   Norwood, Ronald M., and Pepino. 2,728,119.  
 Richardson, Charles, Corp.: *See*—  
   Richardson, Charles D. 2,724,859.  
 Richardson, Charles D., to Charles Richardson Corp. 2,724,859, Cl. 18—2.5.  
 Richardson, Charles D., and A. F. Zavist, to General Electric Co. 2,707,204, Cl. 174—110.  
 Richardson Co., The: *See*—  
   Farrell, Walter O., Schnitzius, and Ruschman. 2,725,848.  
   Fernald, Gordon H. 2,700,694.  
   Fernald, Gordon H., and Enloe. 2,707,201.  
   Lucas, Gordon B. 2,703,336.  
   McGervy, Paul J., Jr. 2,717,433.  
   Neely, Glen W. 2,720,224.  
   Prosser, Edwin A. 2,703,819.  
 Richardson, Dow C. 2,728,362, Cl. 143—101.  
 Richardson, Earl L., to Westinghouse Electric Corp. 2,714,939, Cl. 183—7.  
 Richardson, Earl L., to Colgate-Palmolive Co. 2,719,129, Cl. 252—305.  
 Richardson, Edward M., to E. P. Schoenthaler. 2,711,280, Cl. 229—23.



- Richardson, Frank F.: *See*—  
Greenwalt, Jess F., McGraw, and Richardson. 2,705,881.
- Richardson, Franklin T.: *See*—  
Midgley, Eric L., and Richardson. 2,721,373.
- Richardson, Frederick E., and J. V. Sturtevant. 2,717,452, Cl. 33—174.
- Richardson, George A., to Monsanto Chemical Co. 2,716,647, Cl. 260—307.
- Richardson, Harry L., to Research Corp. 2,705,544, Cl. 183—7.
- Richardson, Harry L., to Research Corp. 2,712,961, Cl. 299—59.
- Richardson, Harry L., to Research Corp. 2,727,586, Cl. 183—82.
- Richardson, Henry M., to News Syndicate Co., Inc. 2,703,051, Cl. 101—401.1.
- Richardson, James B. 2,703,479, Cl. 61—76.
- Richardson, James C. 2,717,771, Cl. 261—50.
- Richardson, James J. 2,711,163, Cl. 124—8.
- Richardson, John E.: *See*—  
Bakeman, Delbert C., and Richardson. 2,701,858.
- Richardson, John R., to The United States of America as represented by the United States Atomic Energy Commission. 2,725,480, Cl. 250—41.9.
- Richardson, Kenneth W., to Columbia-Southern Chemical Corp. 2,723,993, Cl. 260—521.
- Richardson, Martin A., and P. W. Morrissey, to J. I. Case Co. 2,701,945, Cl. 56—221.
- Richardson, Merrill: *See*—  
Tulane, Roy G., Thomas, and Richardson. 2,727,823.
- Richardson, Philip B., to Richardson Scale Co. 2,714,472, Cl. 222—63.
- Richardson, Ralph R., W. H. Homan, and W. T. Ritter, to Chicago Carton Co. 2,711,676, Cl. 93—36.
- Richardson, Robert D., to The Hays Corp. 2,728,217, Cl. 73—27.
- Richardson, Roger W., J. E. Moise, and F. G. Turpin, Jr., to Standard Oil Development Co. 2,702,434, Cl. 34—57.
- Richardson Scale Co.: *See*—  
Richardson, Philip B. 2,714,472.
- Richardson, Stanley P. 2,724,570, Cl. 248—113.
- Richardson, Urban W.: *See*—  
Bender, Welcome W., Rauth, Merrill, and Richardson. 2,719,685.
- Richardson, Walter B. 2,711,808, Cl. 192—85.
- Richardson, William C. 2,708,411, Cl. 103—44.
- Richardson, William F., to Flex-O-Lators, Inc. 2,724,130, Cl. 5—360.
- Richardson, William G., and C. R. Keep. 2,728,444, Cl. 198—33.
- Richardson, Woodrow W.: *See*—  
Schulz, William H., Jr., Schulz, and Richardson. 2,722,541.
- Richartz, Paul J. M.: *See*—  
Bolsey, Jacques, Nicolosi, and Richartz. 2,698,546.
- Richens, Arthur W., to Continental Can Co., Inc. 2,720,247, Cl. 154—42.
- Richey, Clarence B.: *See*—  
Hauswirth, Vernon O., and Richey. 2,727,458.
- Richey, Clarence B., to Ford Motor Co. 2,701,508, Cl. 97—46.07.
- Richey, Clarence B., to Ford Motor Co. 2,701,568, Cl. 130—5.
- Richey, Clarence B., to Ford Motor Co. 2,704,213, Cl. 275—2.
- Richey, Clarence B., R. H. Witt, and F. D. Sawyer, to Ford Motor Co. 2,701,437, Cl. 56—33.
- Richfield Oil Corp.: *See*—  
Cheney, Leroy K. 2,712,549.
- Cheney, Leroy K., and Himel. 2,712,550.
- Himel, Chester M., and Berriman. 2,712,551.
- Richford Corp.: *See*—  
Roehrich, Paul E. 2,714,475.
- Richie, Therman L.: *See*—  
Greene, Oren W., Twitty, and Richie. 2,703,438.
- Richlite Mfg. Co.: *See*—  
Kramer, Murray B. 2,728,503.
- Richman, Morris: *See*—  
Silver, Wilfred, and Richman. 2,707,283.
- Richmond, Henry H., to United States Rubber Co. 2,708,680, Cl. 260—582.
- Richmond, Nelson R., to United Aircraft Corp. 2,727,579, Cl. 170—160.2.
- Richmond Mfg. Co.: *See*—  
Conkling, William C. 2,723,751.
- Conkling, William C. 2,723,752.
- Richmond, Ralph W. 2,725,006, Cl. 97—42.
- Richmond, Stanley M.: *See*—  
Drouet, Louis D. 2,722,596.
- Richmont, Inc.: *See*—  
Livermont, Frank W. 2,703,976.
- Livermont, Frank W. 2,706,903.
- Richter, Albert. 2,699,805, Cl. 145—20.
- Richter-Glier, Adolf, to The Babcock & Wilcox Co. 2,725,834, Cl. 110—171.
- Richter, Hartmut, to Metal & Thermit Corp. 2,726,929, Cl. 23—117.
- Richter, Henry, and H. N. Campbell, to Paramount Textile Machinery Co. 2,723,176, Cl. 312—318.
- Richter, Herman W.: *See*—  
Bacon, Ernest N. 2,708,773.
- Richter, Ludwig: *See*—  
Wallace, William E., and Richter. 2,728,761.
- Richter, Wolfgang D., Jr. 2,710,632, Cl. 143—70.
- Richterkesing, Frank H., to W. M. Cissell Mfg. Co., Inc. 2,701,404, Cl. 26—28.
- Richwine, Richard H.: *See*—  
Rogers, Paul H., and Richwine. 2,723,013.
- Rick, Charles. 2,720,950, Cl. 189—65.
- Rick, Christian E., to E. I. du Pont de Nemours and Co. 2,721,626, Cl. 183—119.
- Rickard, James A.: *See*—  
Peters, Beldon A., and Rickard. 2,718,596.
- Rickard, Robert S. 2,711,167, Cl. 128—83.
- Rickemann, Alfred, to Reishauer-Werkzeuge A.-G. 2,711,934, Cl. 308—9.
- Rickenbach, August W., to Avco Mfg. Corp. 2,711,161, Cl. 123—90.
- Rickenback, Miriam F. 2,707,015, Cl. 152—213.
- Rickenbacker, Dewey C.: *See*—  
Gross, John N., Kops, and Peck. 2,714,727.
- Rickert, Frederick D., and W. R. Post, to Infants Socks, Inc. 2,698,532, Cl. 66—135.
- Rickes, Edward L., and T. R. Wood, to Merck & Co., Inc. 2,703,302, Cl. 167—81.
- Rickes, Edward L., and T. R. Wood, to Merck & Co., Inc. 2,703,303, Cl. 195—80.
- Ricketts, Colin R., and K. W. W. H. Walton, to National Research Development Corp. 2,715,091, Cl. 167—65.
- Rickey, Clarence B., to Ford Motor Co. 2,722,875, Cl. 97—46.43.
- Rickmeyer, Ernst W., to The Parker Pen Co. 2,702,021, Cl. 120—50.
- Rickmeyer, Ernst W., to The Parker Pen Co. 2,712,299, Cl. 120—50.
- Rickner, Edward J. 2,700,901, Cl. 73—304.
- Ricks, Bernard E., to Thompson Products, Inc. 2,715,766, Cl. 29—441.
- Ricks, Bernard E., to Thompson Products, Inc. 2,723,141, Cl. 287—62.
- Riddell, George: *See*—  
Dubuar, Arthur S., and Riddell. 2,719,881.
- Riddell, Leonard H. 2,701,889, Cl. 15—179.
- Riddell, Vernon E., and C. M. Buttiger, to Vinco Corp. 2,708,332, Cl. 51—267.
- Riddell, Wallace C., to Kaiser Gypsum Co., Inc. 2,711,377, Cl. 117—152.
- Riddell, William A. 2,704,984, Cl. 110—33.
- Ridderstrom, Andrew R., to Prime Mfg. Co. 2,706,824, Cl. 12—20.
- Ridderstrom, Andrew R., to Prime Mfg. Co. 2,715,739, Cl. 12—24.5.
- Riddle, Fred M., to California Institute Research Foundation. 2,728,049, Cl. 332—16.
- Riddle, George H., to Bethlehem Steel Co. 2,720,363, Cl. 238—19.
- Ridenour, Wayne F.: *See*—  
Doane, Ralph E., and Ridenour. 2,715,975.
- Rideout, Amos H., and W. T. Surrat. 2,711,906, Cl. 280—79.1.
- Rider, Clinton H.: *See*—  
Nichols, Nathaniel B., and Rider. 2,716,894.
- Rider, Frank M. 2,701,520, Cl. 101—41.
- Rider, Harry N., to "Automatic" Sprinkler Corp. of America. 2,724,444, Cl. 169—9.
- Rider, Harry N., to "Automatic" Sprinkler Corp. of America. 2,724,614, Cl. 299—121.
- Rider, Warren M.: *See*—  
Burge, James S., McKee, Conrad, Rider, and Salatin. 2,723,691.
- Ridge Tool Co., The: *See*—  
Ingwer, Carl H. 2,705,119.
- Ingwer, Carl H., and Wright. 2,699,604.
- Janik, Anton J. 2,716,947.
- Wright, Clyde E. 2,704,477.
- Ridgley, Donald E.: *See*—  
Faus, Harold T., and Ridgley. 2,712,563.
- Ridgway, Herbert N. 2,705,144, Cl. 272—56.5.
- Ridgway, Herbert N. 2,715,342, Cl. 74—594.7.
- Ridings, Garvice H.: *See*—  
Wise, Raleigh J., Ridings, and Parrott. 2,718,547.
- Ridler, Desmond S., and J. D. Reynolds, to International Standard Electric Corp. 2,722,565, Cl. 178—70.
- Ridley, Baldwin W.: *See*—  
Gebbs, Richard W., and Ridley. 2,718,205.
- Ridley, Frank F. 2,724,502, Cl. 209—172.5.
- Riebel, Fred, & Co.: *See*—  
Riebel, William K. 2,712,281.
- Riebel, William K., to Fred Riebel & Co. 2,712,281, Cl. 98—102.
- Rieber, Frank, deceased, by L. G. Rieber, executrix, to Geovision, Inc. 2,703,150, Cl. 181—0.5.
- Rieber, Lu G.: *See*—  
Rieber, Frank. 2,703,150.
- Rieber, William K.: *See*—  
Allison, Donald K. 2,704,274.
- Riedel, Erich. 2,706,048, Cl. 209—395.
- Riedl, Hans-Joachim: *See*—  
Von Schickh, Otto, and Riedl. 2,702,301.
- Riege, Harold F.: *See*—  
Andrews, David B., and Riege. 2,713,963.
- Riegel Paper Corp.: *See*—  
Jacoby, Harry L. 2,716,315.
- Riegelman, Harry M., Jr.: *See*—  
Giannini, Gabriel M., and Riegelman. 2,724,760.
- Rieger, Leonard J.: *See*—  
Brookes, Albert H., Rieger, and Martin. 2,703,512.
- Rieger, Louis. 2,709,479, Cl. 155—73.
- Rieger, Saul: *See*—  
Artzt, William W., and Rieger. 2,707,927.



- 334
- 9, Cl. 290—2.  
etal Products Corp. 2,723,060,
- Riehl, Frederick W. 2,707,23  
Rieke, Glenn T., to Rieke MSee—  
Cl. 222—566.  
Rieke Metal Products Corp.: he Fulton Co. 2,719,733, Cl.  
Rieke, Glenn T. 2,723,0  
Riemann, Howard C., to TE. 2,703,480, Cl. 62—4.  
280—501.  
Riemenschneider, Lawrence 38—14.  
Riepert, Hermann, W. Horn,  
G. m. b. H. 2,718,811, Cl. Ries. 2,717,694.  
Ries, Alvin W.: See— 135—50.  
Pansing, William F., and  
Ries, Elmer F. 2,700,979, Cl. senfeld. 2,712,978.  
Riesefeld, Fred C.: See— ral Motors Corp. 2,704,045, Cl.  
Blohm, Clyde L., and Ries  
Riesing, Ellwood F., to Gene 74—424.8.  
116—34.  
Riess, Hauley L. 2,701,478, C. Cl. 260—452.  
Riethof, George, and G. P. Atlantic Refining Co. 2,713,077,  
Development Co. 2,700,050  
Rieve, Robert W., to The Aayne. 2,700,826, Cl. 33—169.  
Cl. 260—676.  
Rifner, Frank D., to R. A. Migassio, and Pronio. 2,725,102.  
Rigassio, James L.: See— evelopment Co. 2,705,615, Cl.  
Heffernan, William R., F  
Rigby, Richard, to Shell D 257—6.  
Riggall, Albert: See— Riggall. 2,711,966.  
Watson, Thomas T., and Roberts, to the United States of  
Riggle, John W., and J. B. E. the United States Atomic Energy  
America as represented by t 250—41.9.  
Commission. 2,714,164, Cl. Riggs. 2,708,633.  
Riggs, Lloyd K.: See—  
Stimpson, Edwin G., and 773.  
Riggs & Lombard, Inc.: See—  
Wilcox, Harold R. 2,718,291.  
Rightmeyer, Grace R.: See—  
Sweigert, Leon M. 2,715,574.  
Rigidized Metals Corp.: See— 99—447.  
Clement, Joseph J. 2,706. 18—5.  
Riguell, Carl A. 2,722,883, Cl  
Rigsby, Canby A. 2,717,417, Cl Klohs, Bates, and Gross.  
Riker Laboratories, Inc.: See—  
Kusserow, Gerhard W. 24—277.  
2,727,891.  
Riker, Walter F. 2,719,345, Cl 123—103.  
Riley, Edward, ½ to M. A. Bes Gear Shaper Co. 2,706,848,  
Riley, Frank J. 2,714,880, Cl.  
Riley, Joseph, to The Fellowylor-Winfield Corp. 2,718,615,  
Cl. 29—105.  
Riley, Joseph J., to The Taylor-Winfield Corp. 2,719,946,  
Cl. 317—234.  
Riley, Joseph J., to The Taustman, to The Taylor-Winfield  
Cl. 321—8.  
Riley, Joseph J., and W. S. D Murto, to The Taylor-Winfield  
Corp. 2,715,698, Cl. 315—3.  
Riley, Joseph J., and L. J. Corp. 2,721,306, Cl. 323—18.  
Riley Stoker Corp.: See—  
Craig, Ollison. 2,716,002.  
Kuhner, Max H. 2,699,757, 708,890.  
Kuhner, Max H. 2,724,37.  
Kuppenheimer, John D. 2,98.  
Miller, Earle C. 2,718,883.  
Rogers, Wayne C. 2,699,8 Cl. 40—20.  
Stark, Elmer A. 2,709,04, chols, to American Enka Corp.  
Riley, Williams S. 2,714,265.  
Rilling, Hugh P., and C. F. N 51—25.  
2,725,277, Cl. 8—151.2. Cl. 292—125.  
Rim, Ho Yun. 2,708,091, Cl. 21. 5—337.  
Rimkus, Joseph N. 2,725,248, B. Hirschberg, Jr. 2,707,432,  
Rinaldy, August. 2,703,890, C  
Rindfleisch, Arthur G., to T. ndt, Shultz, and Tarbutton.  
Cl. 101—95.  
Rindt, Donald W.: See—  
Hein, Lawrence B., Rl 271—68.  
2,706,146. Cl. 220—24.5.  
Rineer, Arthur E. 2,699,942, C. C. Ryan, to Boyar-Schultz  
Rineer, Arthur E. 2,703,186, 44.  
Rinehart, Wendall C., and ( Corp. 2,701,355, Cl. 340—24.  
Rines, Robert H.: See— 102—70.2.  
Mueller, Hans. 2,707,749, 178—6.8.  
Rines, Robert H. 2,711,133, Cl. 332—68.  
Rines, Robert H. 2,711,440, Cl. 343—17.  
Rines, Robert H. 2,711,514, Cl. 343—113.  
Rines, Robert H. 2,711,530, Cponder. 2,703,363, Cl. 250—17.  
Rines, Robert H. 2,711,534, Cwell Surveying Co. 2,711,879,  
Rines, Robert H., and I. S. B.  
Ring, Roland, to Sperry-Sun Cl. 4—112.  
Cl. 255—1.6.  
Ring, Sylvanus C. 2,712,136, ( d Motor Co. 2,726,552, Cl.  
Ringe, Frederick A., to Fo 154—118.  
74—364.  
Ringer, Arthur. 2,726,187, Cl. Aviation Corp. 2,719,405, Cl.  
Ringer, Evue J., to Bendix 60—54.6.  
Ringer, Luther: See— ger. Re. 24,016.  
Geldhof, Peter E., and Rin. ger. 2,726,558.  
Geldhof, Peter E., and Rin.  
Ringering, Harry W.: See— 9, Cl. 73—66.  
Lowe, Kenneth. 2,700,892  
Ringering, Harry W. 2,722,82
- Ringland, William L., to Allis-Chalmers Mfg. Co. 2,715,205,  
Cl. 322—28.  
Ringland, William L., to Allis-Chalmers Mfg. Co. 2,726,361,  
Cl. 318—173.  
Ringler, William A., to The Gardner Board and Carton Co.  
2,705,556, Cl. 206—65.  
Ringler, William A., to The Gardner Board and Carton Co.  
2,706,578, Cl. 220—111.  
Ringler, William A., to The Gardner Board and Carton Co.  
2,723,488, Cl. 46—11.  
Ringo, Dan, E. B. Miller, and S. E. Bush, to Adsorption Re-  
search Corp. 2,706,532, Cl. 183—4.7.  
Ringoen, Richard M., to Collins Radio Co. 2,701,327, Cl.  
318—16.  
Ringquist, Clarence L., and R. G. Miner, to The Trane Co.  
2,702,456, Cl. 62—6.  
Rings, Franz: See—  
Janssen, Helmuth, and Rings. 2,725,747.  
Ringspann Gesellschaft m. b. H.: See—  
Maurer, Albrecht. 2,725,964.  
Ringwald, Clarence. 2,720,566, Cl. 200—115.5.  
Ringwall, Carl G., to General Electric Co. 2,727,989, Cl  
250—27.  
Ringwood Chemical Corp.: See—  
Frank, Robert L. 2,708,661.  
Rinia, Herre, to Hartford National Bank and Trust Co.,  
trustee. 2,698,896, Cl. 250—6.  
Rinia, Herre, and A. T. van Urk, to Hartford National Bank  
and Trust Co., trustee. 2,727,192, Cl. 317—201.  
Rink, Robert J., to Nordberg Mfg. Co. 2,728,614, Cl. 308—187.  
Rinke, Heinrich: See—  
Schnell, Hermann, Hintzmann, and Rinke. 2,706,207.  
Rinkenbach, William H., to Trojan Powder Co. 2,709,130,  
Cl. 52—11.  
Rinker, John C. 2,701,515, Cl. 98—88.  
Rinker, Samuel H., Jr. 2,722,775, Cl. 46—88.  
Rinn, Charles E.: See—  
Marcus, Samuel M. Rinn, and Zingheim. 2,709,361.  
Marcus, Samuel M. Rinn, and Zingheim. 2,709,362.  
Marcus, Samuel M. Rinn, and Zingheim. 2,715,470.  
Rinn, Frederick H., to Sylvania Electric Products Inc.  
2,722,619, Cl. 313—69.  
Rinne, John. 2,706,970, Cl. 123—53.  
Rinta, Arvo A. 2,719,435, Cl. 74—242.11.  
Riolo, Hans, to Albiswerk Zurich A. G. 2,716,193, Cl.  
250—215.  
Riopelle, Earl F., and N. C. Bremer, to Morse Chain Co.  
2,725,755, Cl. 74—229.  
Riordan, John M., and A. J. Richards, to Bonnar-Vawter, Inc.  
2,722,909, Cl. 118—221.  
Riordan, Matthew B., Jr., H. B. Boller, and A. E. Hambly,  
to Byron Jackson Co. 2,701,615, Cl. 166—63.  
Riotto, Joseph. 2,726,321, Cl. 240—10.6.  
Riou, Yves: See—  
Lesigne, Henri L., and Riou. 2,700,702.  
Ripley, Edward P. 2,708,783, Cl. 25—155.  
Ripley, Glenn Q., Jr., ½ to P. M. Ripley. 2,726,838, Cl.  
248—361.  
Ripley, Millard H. 2,704,109, Cl. 155—7.  
Ripley, Pauline M.: See—  
Ripley, Glenn Q., Jr. 2,726,838.  
Ripley, Stanley W., to British Insulated Callender's Cables  
Ltd. 2,717,847, Cl. 154—2.27.  
Ripper, Rudolf, ½ to S. T. Ripper. 2,701,380, Cl. 15—167.  
Ripper, Sophia T.: See—  
Ripper, Rudolf. 2,701,380.  
Ripperger, Gerald J. 2,710,414, Cl. 30—4.  
Rippee, Charles W., and H. B. Bishop. 2,722,500, Cl. 196—23.  
Rique, Raymond. 2,722,041, Cl. 20—42.  
Ri-Ri-Werk A. G.: See—  
Feldmann, Otto. 2,705,814.  
Risch, Arthur H., to Pulp Reproduction Co. 2,719,376, Cl.  
43—3.  
Risdon Mfg. Co., The: See—  
Beard, Walter C., Jr. 2,723,055.  
Risher, Robert L., and A. P. Henry, to Northrop Aircraft, Inc.  
2,718,877, Cl. 121—41.  
Risk, Norman E., and J. H. McCarthy, to Caterpillar Tractor  
Co. 2,702,603, Cl. 180—9.1.  
Risley, Douglas S. 2,706,442, Cl. 98—32.  
Risley, Roger E.: See—  
Newell, Frederick T., and Risley. 2,708,307.  
Risley, Roger E., to Dresser Industries, Inc. 2,701,731,  
Cl. 285—134.  
Risley, Roger E., to Dresser Industries, Inc. 2,705,158, Cl.  
285—14.  
Risley, Roger E., to Dresser Industries, Inc. 2,706,495, Cl.  
138—65.  
Risley, Roger E., to Dresser Industries, Inc. 2,708,951,  
Cl. 138—99.  
Risley, Roger E., and G. E. Szekely, to Dresser Industries, Inc.  
2,701,730, Cl. 285—132.  
Risley, Roger E., and P. F. Marx, to Dresser Industries, Inc.  
2,708,123, Cl. 285—98.  
Risley, Roger E., and H. L. Hoke, to Dresser Industries, Inc.  
2,721,581, Cl. 138—97.  
Risor, Roland J. 2,709,378, Cl. 76—37.  
Risser, Ross E., Jr. 2,724,970, Cl. 73—244.  
Rist, Carl E.: See—  
Wolff, Ivan A., Mellies, and Rist. 2,712,007.  
Wolff, Ivan A., Watson, and Rist. 2,719,147.  
Ristila, Matt, and J. A. Overhouse. 2,715,543, Cl. 294—50.9.  
Ritch, Julian A., Jr. 2,720,638, Cl. 340—58.



- Ritcheson, Walter F.: *See*—  
Williams, John L., and Ritcheson. 2,714,019.
- Ritchey, Eugene B. 2,725,037, Cl. 119—132.
- Ritchie, Mansfield F., to Twin Cities Container Corp. 2,709,032, Cl. 229—16.
- Ritchie, Paul F., to Hercules Powder Co. 2,703,796, Cl. 260—99.
- Ritchie, Paul F., to Hercules Powder Co. 2,703,809, Cl. 260—469.
- Ritchie, Thomas R., M. H. Scott, and W. J. Walker. 2,721,079, Cl. 271—56.
- Ritchie, W. C., and Co.: *See*—  
Smith, William C. 2,722,310.
- Ritchie, Warren H. 2,724,764, Cl. 219—35.
- Ritchie, Wesson J.: *See*—  
Brewer, Sherman T., Reenstra, and Ritchie. 2,724,744.
- Ritchie, William A. 2,706,871, Cl. 43—57.5.
- Rite Pack Co.: *See*—  
Duke, James A. 2,725,178.
- Ritepoint, Inc.: *See*—  
Lipic, Sylvester G. 2,703,483.
- Ritson, Daniel D.: *See*—  
Pullman, Joseph C., and Ritson. 2,708,650.
- Rittenhouse, Charles. 2,708,224, Cl. 200—52.
- Rittenhouse Co., The, Inc.: *See*—  
Rittenhouse, Lloyd W. 2,717,996.  
Rittenhouse, Lloyd W. 2,717,997.  
Rittenhouse, Lloyd W., Hoge, and Taylor. 2,706,757.
- Rittenhouse, Harvey L., to General Motors Corp. 2,721,097, Cl. 298—1.
- Rittenhouse, Lloyd W., to The Rittenhouse Co., Inc. 2,717,996, Cl. 340—392.
- Rittenhouse, Lloyd W., to The Rittenhouse Co., Inc. 2,717,997, Cl. 340—393.
- Rittenhouse, Lloyd W., R. R. Hoge, and J. L. Taylor, to The Rittenhouse Co., Inc. 2,706,757, Cl. 200—113.
- Ritter Co., Inc.: *See*—  
Bronk, Fay E. Re. 24,087.  
Lauterbach, Norman E. 2,700,524.  
Maurer, Jakob and R. 2,709,852.  
Morrison, Montford. 2,723,610.  
Shore, Nathan A. 2,709,546.  
Shore, Nathan A. 2,727,670.
- Ritter, Ernst. 2,700,995, Cl. 146—61.
- Ritter, Ernst M., to APAG, Apparatebau A. G. Goldach. 2,719,356, Cl. 30—43.
- Ritter, Eugene L.: *See*—  
Romaine, Millard, and Ritter. 2,711,114.
- Ritter, Ferris O. 2,716,181, Cl. 219—19.
- Ritter, Friedbert, H. Kapp, and H. Reichert, to Aktien-gesellschaft für Stickstoffdünger. 2,698,871, Cl. 13—16.
- Ritter, Friedbert, and F. Walter, to Knapsack-Griesheim Aktiengesellschaft. 2,701,188, Cl. 48—48.
- Ritter, Friedbert, and F. Walter, to Knapsack-Griesheim Aktiengesellschaft. 2,701,190, Cl. 48—216.
- Ritter, Hartien S.: *See*—  
Seavey, Frederick R., and Ritter. 2,712,034.
- Ritter, Herman, to The Singer Mfg. Co. 2,718,858, Cl. 112—181.
- Ritter, Herman, and C. A. Kessler, to The Singer Mfg. Co. 2,715,553, Cl. 308—36.1.
- Ritter, John A., to Westinghouse Electric Corp. 2,712,218, Cl. 60—39.09.
- Ritter, John W., Sr. 2,707,125, Cl. 292—341.15.
- Ritter, Julius, Jr. to Hartmann Co. 2,702,105, Cl. 190—43.
- Ritter, Julius P., Jr. 2,721,088, Cl. 280—480.
- Ritter, Walter T.: *See*—  
Richardson, Ralph R., Homan, and Ritter. 2,711,676.
- Rittmann, Albert D.: *See*—  
Fite, Wade L., and Rittmann. 2,712,087.
- Rittner, Edmund S.: *See*—  
Hughes, Ray C., Coppola, and Rittner. 2,700,118.
- Rittner, Edmund S., and S. Fine, to North American Philips Co., Inc. 2,727,968, Cl. 201—63.
- Ritz, Auguste: *See*—  
Gaudin, Charles. 2,702,610.
- Ritzert, Norman J., to The Dayton Rubber Co. 2,728,176, Cl. 51—246.
- Riv-Officine di Villar Perosa S. p. A.: *See*—  
Piragino, Renato. 2,702,702.
- Riv-Officine di Villar Perosa Società per Azioni: *See*—  
Pesante, Manlio. 2,717,515.
- Rively, Clair M., to the United States of America as represented by the Secretary of the Navy. 2,708,251, Cl. 315—183.
- Rively, Clair M., to Westinghouse Electric Corp. 2,725,495, Cl. 313—38.
- Rively, Clair M., to the United States of America as represented by the Secretary of the Navy. 2,727,188, Cl. 315—180.
- Rively, Clair M., and W. E. Gleim, to Westinghouse Electric Corp. 2,725,525, Cl. 324—33.
- Rives, Halcom D., to Swingspout Measure Co. 2,717,102, Cl. 222—89.
- Rivet, Charles A., Jr.: *See*—  
Bryan, John L., Jr., Curry, and Rivet. 2,705,420.
- Rivington, Arthur A.: *See*—  
Barton, William A., Pulford, and Rivington. 2,715,738.
- Rivoche, Eugene J. 2,708,636, Cl. 99—221.
- Rivoche, Eugene J. 2,709,857, Cl. 34—51.
- Rivoche, Eugene J. 2,713,003, Cl. 99—204.
- Rivoche, Eugene J. 2,723,202, Cl. 99—204.
- Rivoli Corset Co. Inc.: *See*—  
Mayer, Edgar G. 2,707,280.
- Rix, Warren H.: *See*—  
Zuck, Donald A., and Rix. 2,718,486.
- Rixford, Henry K., A. E. Rockwood, and J. K. Maki, to Simplex Time Recorder Co. 2,703,268, Cl. 346—81.
- Rixson, Oscar C., Co., The: *See*—  
Wenzel, Hans H. 2,703,906.
- Riza, Thomas H. 2,711,277, Cl. 226—25.
- Rizza, Frank E. 2,699,251, Cl. 206—59.
- Rizzone, Michael L.: *See*—  
Keim, Charles J., and Rizzone. 2,703,161.  
Keim, Charles J., and Rizzone. 2,703,162.
- Roach, Charles J.: *See*—  
Andren, Karl H., and Roach. 2,708,459.
- Roach, Charles J., to Western Electric Co., Inc. 2,713,194, Cl. 29—155.55.
- Roach, Frank T., to National Cylinder Gas Co. 2,708,719, Cl. 250—36.
- Roach, William B. 2,699,573, Cl. 18—17.
- Roadgrader Gauge Corp.: *See*—  
Schiavi, Vincent. 2,706,654.
- Roamer Watch Co., S. A.: *See*—  
Meyer, Max. 2,724,234.
- Roark, James J., to Esso Research and Engineering Co. 2,716,733, Cl. 333—75.
- Robb Mfg. Co.: *See*—  
Robb, Quentin W. H. 2,708,124.
- Robb, Quentin W. H., to Robb Mfg. Co. 2,708,124, Cl. 285—163.
- Robb, Wayne F., to Dry-O-Scent Co. 2,717,727, Cl. 222—512.
- Robbins, Chandler, II, and E. J. Hodgkins, to Bates Mfg. Co. 2,713,193, Cl. 28—76.
- Robbins, Charles K. 2,718,924, Cl. 164—47.
- Robbins, Daniel T., and J. F. McCrory, 25% to said Robbins, 10% to said McCrory, 32½% to H. E. Friedley, and 32½% to R. Friedley. 2,703,131, Cl. 154—9.
- Robbins, Edward S., to Robbins Floor Products, Inc. Re. 24,104, Cl. 51—89.
- Robbins Floor Products, Inc.: *See*—  
Robbins, Edward S. Re. 24,104.
- Robbins Incubator Co.: *See*—  
Rosenberg, Bernard L. 2,706,915.
- Robbins, James S., to Goodman Mfg. Co. 2,705,624, Cl. 262—7.
- Robbins, James S., to Goodman Mfg. Co. 2,705,625, Cl. 262—9.
- Robbins, James S., to Goodman Mfg. Co. 2,711,889, Cl. 262—9.
- Robbins, James S., to Goodman Mfg. Co. 2,715,524, Cl. 262—7.
- Robbins, James S., and C. A. Wilms, to Goodman Mfg. Co. 2,711,887, Cl. 262—7.
- Robbins, James S., and C. A. Wilms, to Goodman Mfg. Co. 2,711,888, Cl. 262—7.
- Robbins, James S., and C. A. Wilms, to Goodman Mfg. Co. 2,711,890, Cl. 262—9.
- Robbins, James S., and C. A. Wilms, to Goodman Mfg. Co. 2,711,891, Cl. 262—29.
- Robbins, James S., and C. A. Wilms, to Goodman Mfg. Co. 2,725,222, Cl. 262—7.
- Robbins, Jay H. 2,722,216, Cl. 128—233.
- Robbins, John R. 2,705,447, Cl. 97—212.
- Robbins, Joseph: *See*—  
Holyoak, John K., Robbins, Smart, and Wills. 2,722,023.
- Robbins & Myers, Inc.: *See*—  
Chang, Sheldon S. L. 2,720,130.
- Robertson, Charles A. 2,719,069, Cl. 312—18.
- Robertson, Donald C., and W. E. Scovill, to The Standard Oil Co. 2,721,165, Cl. 196—20.
- Robertson, Israel F.: *See*—  
Weiss, Edwin, Robertson, and West. 2,723,643.
- Robertson, Raymond F., to International Harvester Co. 2,724,315, Cl. 97—47.85.
- Robert, Bernard L.: *See*—  
Morel, Pierre L. G., and Robert. 2,708,731.
- Robert, Hector L. 2,728,250, Cl. 81—3.1.
- Robert, Jacques G.: *See*—  
Jacob, Robert M., and Robert. 2,727,063.  
Jacob, Robert M., and Robert. 2,727,072.
- Robert, Jean: *See*—  
Jacob, Robert M., Gailliot, and Robert. 2,727,071.
- Robert, John, to Glove Siding Products Co. 2,722,197, Cl. 118—58.
- Robert, Ramon C.: *See*—  
Court, Jean, and Robert. 2,704,987.
- Robertson, Frederic A., and H. T. Bright, to Robertson Mfg. Co. 2,722,432, Cl. 280—43.
- Robertson, Thomas: *See*—  
Limberg, Alfons A., and Robertson. 2,714,035.
- Roberts, Bruce: *See*—  
Nord, Evan W., and Roberts. 2,704,168.
- Roberts, Bruce, to The International Electronics Co. 2,712,572, Cl. 179—100.2.
- Roberts, Cecil L., to The Mosler Safe Co. 2,701,093, Cl. 232—44.
- Roberts, Charles B., to F. W. Roberts Mfg. Co. 2,708,552, Cl. 241—38.
- Roberts, Charles P.: *See*—  
Winnicki, Henry S., and Roberts. 2,708,619.
- Roberts, Charles V. 2,703,118, Cl. 143—141.
- Roberts, Charles W. 2,727,099, Cl. 179—100.3.
- Roberts, David T., to Holley Carburetor Co. 2,711,162, Cl. 123—117.
- Roberts, Edward H.: *See*—  
Janos, Alfred G., and Roberts. 2,724,244.



- Roberts, Edward N., to Standard Oil Co. 2,719,125, Cl. 252—46.7.
- Roberts, Edward N., E. K. Fields, and J. S. Brown, to Standard Oil Co. 2,703,785, Cl. 252—33.4.
- Roberts, Edwin F., Sr.: *See—*
- Roberts, Wade E. 2,706,610.
- Roberts, F. W., Mfg. Co.: *See—*
- Roberts, Charles B. 2,708,552.
- Roberts, Frederick G.: *See—*
- Kusiv, Daniel B., and Roberts. 2,714,827.
- Roberts, George A., C. D. Grosser, and M. V. Kiebert, Jr., to Raymond Rosen Engineering Products, Inc. 2,719,284, Cl. 340—151.
- Roberts, Harry O., to Air-Vue Products Corp. 2,720,292, Cl. 189—67.
- Roberts, Henry B., and E. S. Wood, Jr., to Roberts Industries. 2,721,341, Cl. 9—6.
- Roberts, Homer F. 2,700,400, Cl. 139—195.
- Roberts Industries: *See—*
- Roberts, Henry B., and Wood, Jr. 2,721,341.
- Roberts, Ingham S., to American Viscose Corp. 2,698,772, Cl. 308—26.
- Roberts, Ingham S., to American Viscose Corp. 2,718,363, Cl. 242—149.
- Roberts, James: *See—*
- Thomas, John D., and Roberts. 2,713,736.
- Roberts, James A.: *See—*
- Fischer, Howard R., and Roberts. 2,718,798.
- Fischer, Howard R., and Roberts. 2,718,868.
- Roberts, James R., to Weyerhaeuser Timber Co. 2,714,072, Cl. 106—200.
- Roberts, Jean, of California: *See—*
- Brownstein, Jerome J. 2,704,985.
- Roberts, John B.: *See—*
- Riggle, John W., and Roberts. 2,714,164.
- Roberts, John R., to Ditto, Inc. 2,707,433, Cl. 101—132.
- Roberts, John S.: *See—*
- King, Benton S. 2,722,374.
- Roberts, Judson E., to Holga Metal Production Co. 2,719,770, Cl. 312—221.
- Roberts, Lawrence M.: *See—*
- Hedberg, Carl W. J., and Roberts. 2,706,533.
- Roberts, Lawrence M., and D. A. Tripp, to Research Corp. 2,722,992, Cl. 183—7.
- Roberts Mfg. Co.: *See—*
- Hill, Harvey J. 2,714,274.
- Roberts, Marion L.: *See—*
- Brown, Franklin M., Strain, and Roberts. 2,707,222.
- Roberts, Morris E.,  $\frac{1}{2}$  to K. W. Lovegren. 2,721,588, Cl. 143—120.
- Roberts, Neville W., to The British Oxygen Co. Ltd. 2,700,282, Cl. 62—175.5.
- Roberts, Newell O., to the United States of America as represented by the United States Atomic Energy Commission. 2,700,736, Cl. 250—83.
- Roberts, Pascoe: *See—*
- Dole, Moody C., 2nd, and Roberts. 2,703,439.
- Roberts, Ray S. 2,715,310, Cl. 58—80.
- Roberts, Robert E. 2,715,914, Cl. 138—56.
- Roberts, Robert J., to Howe-Baker Co. 2,728,722, Cl. 204—307.
- Roberts, Robert L., to the United States of America as represented by the Secretary of Agriculture. 2,715,579, Cl. 99—80.
- Roberts, Roy L., Jr.: *See—*
- Hallerberg, Theodore W., Roberts, and Flum. 2,710,954.
- Hallerberg, Theodore W., Roberts, and Flum. 2,710,955.
- Hallerberg, Theodore W., Roberts, and Flum. 2,710,956.
- Hallerberg, Theodore W., Roberts, and Flum. 2,723,389.
- Roberts, Samuel B., R. H. Roughsedge, A. Edelman, and G. E. Koslow, to Celanese Corp. of America. 2,713,980, Cl. 242—158.
- Roberts, Shepard. 2,702,427, Cl. 29—25.35.
- Roberts, Shepard, and F. E. Williams, to General Electric Co. 2,721,808, Cl. 117—8.
- Roberts, Stiles M., to General Aniline & Film Corp. 2,723,288, Cl. 260—507.
- Roberts, Velva O. 2,700,974, Cl. 128—286.
- Roberts, Wade E., 40% to E. F. Roberts, Sr. 2,706,610, Cl. 248—168.
- Roberts, Walter van B., to Radio Corp. of America. 2,708,237, Cl. 250—20.
- Roberts, William D., to Ryman Engineering Co. 2,712,204, Cl. 51—135.
- Robertshaw-Fulton Controls Co.: *See—*
- Arden, Thomas T. 2,711,216.
- Branson, Charles D., and Smith. 2,703,298.
- Caparone, Michael J., and Dykzeul. 2,721,570.
- Caparone, Michael J., Rice, and Vaughn. 2,707,078.
- Fielden, John E. 2,704,342.
- Fielden, John E. 2,709,785.
- Garner, Russell F., and Russell. 2,715,664.
- Rice, Harold W., and Main. 2,705,531.
- Russell, William J. 2,726,716.
- Ryde, Thomas T. 2,703,231.
- Strobel, Charles K. 2,702,593.
- Strobel, Charles K. 2,707,517.
- Strobel, Charles K. 2,707,519.
- Strobel, Charles K. 2,726,653.
- Strobel, Charles K. 2,726,717.
- Weber, Victor, and Kunzler. 2,727,709.
- Weber, Victor, and Russell. 2,718,574.
- Robertshaw, Gilbert T. 2,714,156, Cl. 240—108.
- Robertson, Alan L. 2,698,536, Cl. 72—129.
- Robertson, Alexander C.: *See—*
- Wright, Edward S., and Robertson. 2,698,909.
- Robertson, Amelia M.: *See—*
- Robertson, Reuel R. and A. M. 2,709,907.
- Robertson, Arthur J., to Highway Trailers and Utilities of Alabama, Inc. 2,724,611, Cl. 296—28.
- Robertson, Charles A., to Estand, Inc. 2,710,168, Cl. 254—186.
- Robertson, Charles A., to Estand, Inc. 2,727,604, Cl. 192—7.
- Robertson, Charlotte R. B.: *See—*
- Bletcher, Ralph E., and Ward. 2,706,998.
- Bletcher, Ralph E., and Ward. 2,726,120.
- Robertson, Dale N., and K. P. Link, to Wisconsin Alumni Research Foundation. 2,703,320, Cl. 260—240.
- Robertson, David: *See—*
- Wait, Louis S. 2,718,630.
- Robertson, Delbert P., to National Steel Corp. 2,716,596, Cl. 23—230.
- Robertson, Elvin W. 2,716,752, Cl. 1—260.
- Robertson, Frederick K.: *See—*
- Bletcher, Ralph E., and Ward. 2,706,998.
- Bletcher, Ralph E., and Ward. 2,726,120.
- Robertson, H. H., Co.: *See—*
- Brown, Albert A. 2,728,423.
- Coffman, Alden W., and Hubbell. 2,714,246.
- Coffman, Alden W., and Hubbell. 2,724,177.
- Crafton, Henry H. 2,708,958.
- Hubbell, Dean S. 2,712,174.
- Robertson, James A., C. B. Miles, and D. C. Linton, to Food Machinery and Chemical Corp. 2,703,273, Cl. 23—201.
- Robertson, James H. 2,723,390, Cl. 340—261.
- Robertson, John D.: *See—*
- Dean, Walter E. 2,708,785.
- Wood, George B., Jr. 2,722,415.
- Robertson, John M.: *See—*
- Brown, Edward L., Robertson, and Shafer. 2,726,830.
- Robertson, John M., to Armco Steel Corp. 2,706,493, Cl. 138—48.
- Robertson Mfg. Co.: *See—*
- Robertson, Frederic A., and Bright. 2,722,432.
- Robertson, Nat C.: *See—*
- Morgan, Chester S., Jr., and Robertson. 2,704,294.
- Robertson, Nat C., to Celanese Corp. of America. 2,702,741, Cl. 23—283.
- Robertson, Nat C., and J. W. Walker, to Celanese Corp. of America. 2,719,166, Cl. 260—452.
- Robertson Paper Box Co. Inc.: *See—*
- Tyrseck, Walter J. 2,701,088.
- Robertson Photo-Mechanix, Inc.: *See—*
- Blatherwick, Delbert T. 2,727,431.
- Robertson, Reuel R. and A. M. 2,709,907, Cl. 67—22.
- Robertson, Roger L.: *See—*
- Eagan, William F., and Robertson. 2,723,372.
- Robeson, Charles D.: *See—*
- Cawley, John D., and Robeson. 2,709,712.
- Robeson, Charles D., and J. D. Cawley, to Eastman Kodak Co. 2,709,711, Cl. 260—617.
- Robinette, Willard C. 2,712,930, Cl. 264—18.
- Robins, Erford E., to Columbus McKinnon Chain Corp. 2,704,201, Cl. 254—167.
- Robins, Samuel D., to Du-Fast, Inc. 2,722,789, Cl. 51—170.
- Robins, Seymour. 2,710,095, Cl. 206—46.
- Robinson, Charles C., Jr.: *See—*
- Barnes, Robert R., Keith, and Robinson. 2,728,131.
- Robinson, Charles E., and W. Rock, to Joseph Lucas Ltd. 2,728,033, Cl. 317—176.
- Robinson, Charles F., to Consolidated Engineering Corp. 2,718,595, Cl. 250—41.9.
- Robinson, Charles V., to the United States of America as represented by the Secretary of the Navy. 2,702,859, Cl. 250—33.65.
- Robinson, Claude L.: *See—*
- Olson, Henry L., and Robinson. 2,706,445.
- Robinson, David M., to The Stanley Works. 2,724,857, Cl. 16—1.
- Robinson, Elvin B., to Ideal Industries, Inc. 2,700,797, Cl. 19—159.
- Robinson, Elvin B., and C. J. Costner, to Ideal Industries, Inc. 2,724,623, Cl. 308—187.1.
- Robinson, Ernest B. 2,699,099, Cl. 93—80.
- Robinson, Ernest B. 2,712,778, Cl. 93—80.
- Robinson, Florence A. 2,698,435, Cl. 2—107.
- Robinson Foundation, Inc., The: *See—*
- Worne, Howard E. 2,707,696.
- Robinson, Garner L., and J. E. Hindle. 2,714,846, Cl. 97—46.07.
- Robinson, Harry R.: *See—*
- Manley, Robert E., and Robinson. 2,710,693.
- Robinson, Henry D. 2,706,601, Cl. 238—332.
- Robinson, Herbert H. 2,711,643, Cl. 72—120.
- Robinson, Herbert M., to Robinson Products, Inc. 2,724,407, Cl. 137—595.
- Robinson, Herbert T.: *See—*
- Kesel, Robert E., and Robinson. 2,725,004.
- Robinson, Homer W. 2,711,702, Cl. 108—9.
- Robinson, Homer W. 2,718,941, Cl. 189—28.
- Robinson, Ivan M.: *See—*
- Edwards, Walter M., and Robinson. 2,710,853.
- Robinson, Jack, to T. G., D. C., and M. J. Hodgson. 2,727,329, Cl. 43—35.
- Robinson, James E. 2,716,242, Cl. 4—37.
- Robinson, John H., and P. L. Paulsen, to General Electric Co. 2,707,837, Cl. 34—133.



- Robinson, John H., and P. L. Paulsen, to General Electric Co. 2,728,481, Cl. 220—4.
- Robinson, John Warren, to Fram Corp. 2,701,062, Cl. 210—148.
- Robinson, Joseph. 2,715,507, Cl. 246—437.
- Robinson, Joseph, F. J. Leslie, and B. McDonnell, to The Consolidated Mining and Smelting Co. of Canada, Ltd. 2,715,563, Cl. 23—114.
- Robinson, Joseph J., Jr., to Marsh Wall Products, Inc. 2,699,112, Cl. 101—111.
- Robinson, Kelly C. 2,712,820, Cl. 128—75.
- Robinson, Merrill P., to Cochrane Corp. 2,723,755, Cl. 210—40.
- Robinson, Paul C., to Arkell and Smiths. 2,703,224, Cl. 257—95.
- Robinson, Preston, to Sprague Electric Co. 2,711,498, Cl. 317—258.
- Robinson, Preston, to Sprague Electric Co. 2,725,369, Cl. 260—80.5.
- Robinson, Preston, and D. B. Peck, to Sprague Electric Co. 2,704,105, Cl. 154—2.6.
- Robinson Products, Inc.: *See—*
- Robinson, Herbert M. 2,724,407.
- Robinson, Radcliffe F.: *See—*
- McMaster, Robert C., and Robinson. 2,721,941.
- Robinson, Robert B., to Boeing Airplane Co. 2,726,331, Cl. 250—36.
- Robinson, Roy O. 2,719,629, Cl. 209—72.
- Robinson, Thomas, & Son Ltd.: *See—*
- Fielden, Fred, and Murphy. 2,717,124.
- Robinson, William H.: *See—*
- Strom, William T. 2,718,980.
- Robitaille, Gérard. 2,708,978, Cl. 180—9.1.
- Robles, Jose G. A. 2,727,333, Cl. 46—52.
- Robley, Arthur C. 2,718,871, Cl. 119—14.28.
- Robotron Corp.: *See—*
- Rockafellow, Stuart C. 2,726,202.
- Rockafellow, Stuart C. 2,726,203.
- Rockafellow, Stuart C. 2,726,356.
- Rockafellow, Stuart C. 2,728,887.
- Robson, Charlton. 2,721,536, Cl. 119—14.06.
- Robson, Ian K. M.: *See—*
- Gasson, Edward J., Wild, Robson, and Millidge. 2,704,774.
- Robson, James T., to Ferro Corp. 2,715,370, Cl. 104—48.
- Robson, James T., and H. C. Tucker, to Ferre Corp. 2,708,172, Cl. 117—70.
- Robson, Paul W.: *See—*
- Martin, John R., MacGregor, and Robson. 2,698,683.
- Robson, Robert D.: *See—*
- Madison, Richard D., Burgin, Elliot, and Robson. 2,727,680.
- Roby, Sheldon S., and C. Ferry, to The Stanley Works. 2,700,080, Cl. 200—86.
- Rocchini, Albert G., to Gulf Research & Development Co. 2,718,503, Cl. 252—51.5.
- Rocco Products Inc.: *See—*
- Oppenlander, Richard C., and Rowley. 2,714,510.
- Rocha, Crespin O. 2,721,616, Cl. 180—90.6.
- Roche, Arthur F.: *See—*
- Price, Raymond M., and Roche. 2,723,963.
- Roche, Austin O., Jr., to Hoffman Specialty Mfg. Corp. 2,722,232, Cl. 137—515.5.
- Roche, Clifton R. 2,703,500, Cl. 74—731.
- Rocheleau, Leopold A. 2,710,498, Cl. 51—225.
- Rocheleau, Merle A.: *See—*
- Rushfeldt, Ferdie M. 2,698,506.
- Rochette, René E. 2,699,174, Cl. 137—64.
- Rochow, Arthur J. 2,718,336, Cl. 222—142.9.
- Rock, George L. 2,715,557, Cl. 311—10.
- Rock, William: *See—*
- Robinson, Charles E., and Rock. 2,728,033.
- Rockefeller, Arthur J. 2,722,195, Cl. 116—22.
- Rockafellow, Stuart C., to Robotron Corp. 2,726,202, Cl. 204—50.
- Rockafellow, Stuart C., to Robotron Corp. 2,726,203, Cl. 204—50.
- Rockafellow, Stuart C., to Robotron Corp. 2,726,356, Cl. 315—183.
- Rockafellow, Stuart C., to Robotron Corp. 2,728,887, Cl. 321—40.
- Rockcastle, Charles J.: *See—*
- Ferguson, John L., and Rockcastle. 2,718,105.
- Weber, William J., and Rockcastle. 2,709,513.
- Rockcastle, Charles J., to Active Products Inc. 2,712,405, Cl. 226—14.
- Rockel, Henry A. 2,715,429, Cl. 152—213.
- Rockey, Harry J., Sr.: *See—*
- Weimer, John H., and Rockey. 2,722,073.
- Rockledge Mfg. Co.: *See—*
- Weakland, Walter L. 2,710,518.
- Rockmont Envelope Co.: *See—*
- Nerim, Larry C. 2,727,488.
- Rockola, David C., to Rock-Ola Mfg. Corp. 2,719,720, Cl. 274—10.
- Rock-Ola Mfg. Corp.: *See—*
- Rockola, David C. 2,719,720.
- Rocks, Hugh N., to Landis Tool Co. Re. 24,091, Cl. 51—105.
- Rockstrom, Leonard, and E. J. Winship, to F. X. Hooper Co., Inc. 2,704,208, Cl. 271—10.
- Rockstrom, Leonard, W. F. Ward, and E. Jindra, to F. X. Hooper Co., Inc. 2,720,910, Cl. 154—31.
- Rockwell, Dean M., Jr. 2,728,135, Cl. 29—157.1.
- Rockwell, Edward A. 2,702,096, Cl. 188—3.
- Rockwell, Edward A. 2,708,451, Cl. 137—620.
- Rockwell, Edward A. 2,711,635, Cl. 64—29.
- Rockwell, Gaynor O., to the United States of America as represented by the Secretary of the Navy. 2,703,873, Cl. 340—6.
- Rockwell, Harvey W., to Allis-Chalmers Mfg. Co. 2,723,878, Cl. 298—36.
- Rockwell Mfg. Co.: *See—*
- Batchelder, George E. 2,712,461.
- Hull, Henry E. 2,709,324.
- Hull, Henry E. 2,710,501.
- McGay, John B., and Clift. 2,716,860.
- McLay, William S., and Evans. 2,700,981.
- Scherer, George F. 2,728,486.
- Rockwell, Ralph A., to Mason-Neilan Regulator Co. 2,714,895, Cl. 137—86.
- Rockwell Register Corp.: *See—*
- McGay, John B. 2,707,039.
- Rockwell, Ronald J., to Crosley Broadcasting Corp. 2,711,512, Cl. 332—43.
- Rockwell Spring and Axle Co.: *See—*
- Alden, Herbert W. 2,702,194.
- Anderson, Eugene L. 2,720,061.
- Batchelder, George E. 2,700,308.
- Buckendale, Lawrence R. 2,699,075.
- Fante, Harry H., Shepard, and Gonia. 2,715,424.
- Haugen, Edmond H. 2,698,739.
- Herider, Elmer A. 2,722,975.
- Johnson, Charles B. 2,699,916.
- Keese, Beverly W. 2,701,476.
- Super, Ralph K. 2,703,638.
- Super, Ralph K., and Harper. 2,711,801.
- Thoresen, Einar, and Batchelder. 2,700,487.
- Rockwell, Theodore, III, and V. L. McKinney, to the United States of America as represented by the United States Atomic Energy Commission. 2,727,996, Cl. 250—108.
- Rockwood, Albert E.: *See—*
- Rixford, Henry K., Rockwood, and Maki. 2,703,268.
- Rockwood, Albert E., to Simplex Time Recorder Co. 2,720,364, Cl. 242—74.
- Rockwood, John A.: *See—*
- Leerkamp, Herbert H. 2,716,913.
- Rockwood Sprinkler Co.: *See—*
- Freeman, Howard G. 2,698,664.
- Freeman, Howard G. 2,698,665.
- Rocla Pipes Ltd.: *See—*
- Serkin, Wilhelm. 2,709,845.
- Serkin, Wilhelm. 2,720,469.
- Rocwall Co.: *See—*
- Arrighini, Artile. 2,727,294.
- Rodale Mfg. Co., Inc.: *See—*
- Schmier, Jacob. 2,712,121.
- Schmier, Jacob. 2,724,808.
- Rodder, William, to The Aetna-Standard Engineering Co. 2,726,754, Cl. 198—104.
- Roddin, Daniel P., H. Beach, and B. L. Kline, to The Western Union Telegraph Co. 2,726,168, Cl. 117—36.
- Roddy, Joseph T., to The Emerson Electric Mfg. Co. 2,714,539, Cl. 308—134.1.
- Rode, John E. 2,722,167, Cl. 97—12.
- Rodeback, Charles H. 2,713,404, Cl. 192—3.
- Rodeback, George W.: *See—*
- Gray, John W., and Rodeback. 2,703,400.
- Rodeck, Armin H. 2,722,109, Cl. 62—94.
- Rodeck, Armin H., and A. G. Massey, to Massey Machine Co. 2,715,891, Cl. 121—42.
- Rodeck, Armin H., and A. G. Massey, to Massey Machine Co. 2,715,892, Cl. 121—42.
- Rodefald, William H. 2,725,095, Cl. 155—124.
- Roden, Ralph A. 2,707,653, Cl. 296—106.
- Rodenhuis, Klaas, to Hartford National Bank and Trust Co. 2,716,204, Cl. 315—17.
- Roderick, Robert W., to Radio Corp. of America. 2,702,315, Cl. 179—100.1.
- Rodgers, George F.: *See—*
- Young, De Walt S., and Rodgers. 2,704,773.
- Young, De Walt S., and Rodgers. 2,722,556.
- Rodgers, James C.: *See—*
- Stambaugh, Burnell C., Meckley, and Rodgers. 2,706,103.
- Rodgers, John S. 2,713,403, Cl. 192—3.
- Rodgers, Lester W., to Simpson, Rodgers, Smith and Hunting. 2,711,333, Cl. 288—5.
- Rodi & Wienenberger A.-G.: *See—*
- Einsele, Robert. 2,700,959.
- Rodi & Wienenberger Aktiengesellschaft: *See—*
- Ochs, Pirmin. 2,727,354.
- Rodin, William F. 2,710,989, Cl. 18—33.
- Rodman, Ernest A., to E. I. du Pont de Nemours and Co. 2,723,935, Cl. 154—101.
- Rodman, Ernest A., to E. I. du Pont de Nemours & Co. 2,725,309, Cl. 117—73.
- Rodman, Francis C., to American Seal-Kap Corp. of Delaware. 2,728,516, Cl. 229—1.5.
- Rodman, Isaac P., A. W. Nolle, A. A. Chernosky, and L. G. S. Wood, to the United States of America as represented by the Secretary of the Navy. 2,709,796, Cl. 340—3.
- Rodman, Samuel E. 2,726,780, Cl. 214—653.
- Rodwick, Frank P., to The Silux Co. 2,719,479, Cl. 99—391.
- Roe, A. V., Canada Ltd.: *See—*
- Boyd, Winnett. 2,710,503.
- Boyd, Winnett. 2,712,740.
- Creek, John O. 2,702,495.
- Creek, John O. 2,726,578.
- Creek, John O., and Dawson. 2,714,765.
- Czerwinski, Waclaw. 2,716,529.



- Roe, A. V., Canada Ltd.: *See*—Continued.  
 Forbes, Aubrey G. 2,716,313.  
 Howes, Leslie D. 2,727,358.  
 Jay, Kenneth W. 2,700,394.  
 Keast, Francis H. 2,726,806.  
 Purvis, Joseph T. 2,710,523.  
 Secord, Lloyd C., and Boyd. 2,701,949.  
 Secord, Lloyd C., and Purvis. 2,713,991.  
 Wigle, Lloyd G. 2,706,013.
- Roe, A. V., & Co. Ltd.: *See*—  
 Davies, Stuart D., and Briggs. 2,723,091.
- Roe, Charles C.: *See*—  
 Le Tourneau, Robert G., and Roe. 2,698,919.
- Roe, Lawrence A., to Jones & Laughlin Steel Corp. 2,711,248, Cl. 209—39.
- Roerber, Henry W.: *See*—  
 Powell, Leo A., Regec, and Roerber. 2,709,414.  
 Reiter, William L., Gartner, and Roerber. 2,718,095.
- Roebeling's, John A., Sons Corp.: *See*—  
 Zelle, William E. 2,715,959.
- Roebuck, Alan K.: *See*—  
 Evering, Bernard L., Roebuck, and Zletz. 2,727,023.
- Roebuck, Branson. 2,723,819, Cl. 248—165.
- Roedel, Milton J., to E. I. du Pont de Nemours and Co. 2,703,794, Cl. 260—87.3.
- Roehm, Erwin G., to The Cincinnati Milling Machine Co. 2,716,925, Cl. 90—13.5.
- Roehm, Erwin G., to The Cincinnati Milling Machine Co. 2,726,581, Cl. 90—62.
- Roehm, Erwin G., to The Cincinnati Milling Machine Co. 2,726,582, Cl. 90—62.
- Roehm, William A.: *See*—  
 Rogge, Edmund A., and Roehm. 2,704,026.
- Roehr, Zbislav M. 2,728,341, Cl. 128—218.
- Roehri, Carl. 2,713,797, Cl. 74—110.
- Roehrich, Paul E., to Richford Corp. 2,714,475, Cl. 222—501.
- Roehrig, John A.,  $\frac{1}{2}$  to W. M. Clark. 2,705,140, Cl. 267—45.
- Roehrig, John A. 2,709,581, Cl. 267—47.
- Roehrig, John A.,  $\frac{1}{2}$  to W. M. Clark. 2,711,314, Cl. 267—19.
- Roehrl, Bruno C., and H. S. Cloyd, to Nosco Plastics, Inc. 2,726,482, Cl. 46—204.
- Roehrl, Joseph S.: *See*—  
 Eller, John A., and Roehrl. 2,709,542.
- Roelofs, Elerus P. 2,714,486, Cl. 233—29.
- Roemer, Carl E., to Bendix Aviation Corp. 2,721,996, Cl. 343—118.
- Roemer, William C., to Olin Mathieson Chemical Corp. 2,703,943, Cl. 42—70.
- Roensch, Burns, to Daystrom, Inc. 2,701,904, Cl. 25—41.
- Roeschke, Conrad W., to the United States of America as represented by the United States Atomic Energy Commission. 2,715,185, Cl. 250—36.
- Roose, David W.: *See*—  
 Rasmussen, Arne P., and Roose. 2,727,705.
- Roessler, Benjamin. 2,716,031, Cl. 280—47.31.
- Roessler, Heinrich G. F., to Daimler-Benz Aktiengesellschaft. 2,714,347, Cl. 97—47.22.
- Roethel Engineering Corp.: *See*—  
 Roethel, John H. 2,706,128.  
 Roethel, John H. 2,706,130.  
 Roethel, John H. 2,712,224.  
 Roethel, John H. 2,716,569.
- Roethel, John H., to Marvel Equipment Corp. 2,699,346, Cl. 287—3.
- Roethel, John H., to Roethel Engineering Corp. 2,706,128, Cl. 292—280.
- Roethel, John H., to Roethel Engineering Corp. 2,706,130, Cl. 292—280.
- Roethel, John H., to Roethel Engineering Corp. 2,712,224, Cl. 62—108.5.
- Roethel, John H., to Roethel Engineering Corp. 2,716,569, Cl. 292—280.
- Roetter, Robert P., to Minneapolis-Honeywell Regulator Co. 2,724,555, Cl. 236—86.
- Roff, William J.: *See*—  
 Chadwick, George E., Collins, and Roff. 2,725,323.
- Rogell, Albert S. 2,712,591, Cl. 219—46.
- Roger, Albert J., to Crown Machine & Tool Co. 2,718,663, Cl. 18—30.
- Rogers, Charles E., to The Quaker Oats Co. 2,726,366, Cl. 324—61.
- Rogers, Clifford C.: *See*—  
 Holland, Joseph R. 2,727,370.
- Rogers Corp.: *See*—  
 Greenman, Norman L., and Berry. 2,698,788.
- Rogers, Dilworth T.: *See*—  
 Waddey, Walter E., Phelan, and Rogers. 2,703,318.
- Rogers, Dilworth T., and J. P. McDermott, to Esso Research and Engineering Co. 2,714,579, Cl. 252—46.7.
- Rogers, Dilworth T., and H. W. Rudel, to Esso Research and Engineering Co. 2,723,906, Cl. 44—62.
- Rogers, Dilworth T., and H. W. Rudel, to Esso Research and Engineering Co. 2,723,907, Cl. 44—62.
- Rogers, Donald B. 2,726,317, Cl. 240—1.
- Rogers, Edgar A. 2,726,463, Cl. 37—98.
- Rogers, Edward F.: *See*—  
 Leanza, William J., and Rogers. 2,720,481.  
 Leanza, William J., and Rogers. 2,728,768.
- Rogers, Edward F., to Merck & Co. 2,723,273, Cl. 260—295.
- Rogers, Frank L.: *See*—  
 Marshall, James M. 2,706,535.  
 Marshall, James M. 2,706,640.
- Rogers, Frank L. 2,706,794, Cl. 307—140.
- Rogers, George L., to General Electric Co. 2,725,517, Cl. 322—24.
- Rogers Grain & Feed Co.: *See*—  
 Rogers, Willard W. 2,699,146.
- Rogers, Herbert, Jr.: *See*—  
 Postlewaite, William R., Rogers, and Long. 2,728,466.
- Rogers, Homer R. 2,724,441, Cl. 166—212.
- Rogers, Howard G.: *See*—  
 Land, Edwin H., and Rogers. 2,705,676.  
 Rogers, Joseph N. 2,707,521, Cl. 170—34.  
 Rogers, Kathryn C. 2,717,607, Cl. 131—175.
- Rogers, Leonard M.: *See*—  
 Budzyna, Walter J., and Rogers. 2,722,240.
- Rogers, Mack. 2,704,894, Cl. 33—203.2.
- Rogers, Margaret E. 2,711,730, Cl. 128—164.
- Rogers, Margaret M., and J. P. English, to American Cyanamid Co. 2,712,011, Cl. 260—239.7.
- Rogers, Mary P. 2,713,233, Cl. 47—58.
- Rogers, Mary T. 2,720,040, Cl. 36—2.
- Rogers, Paul H., to the United States of America as represented by the Secretary of the Navy. 2,721,708, Cl. 242—4.
- Rogers, Paul H., and R. H. Richwine. 2,723,013, Cl. 192—41.
- Rogers, Quentin W., and E. R. Hutchins. 2,702,554, Cl. 132—33.
- Rogers, Robert W., to Scott Testers, Inc. 2,699,063, Cl. 73—141.
- Rogers, Robert W., to Scott Testers, Inc. 2,699,064, Cl. 73—141.
- Rogers, Wayne C., to Riley Stoker Corp. 2,699,898, Cl. 241—43.
- Rogers, Willard W., to Rogers Grain & Feed Co. 2,699,146, Cl. 119—54.
- Rogers, William E.: *See*—  
 Layton, Dudley A., and Rogers. 2,722,151.
- Rogerson, Walter A.: *See*—  
 Bate, Stanley C., Peach, and Rogerson. 2,703,279.
- Rogg, Jack: *See*—  
 Fleischer, Henry, and Rogg. 2,720,351.
- Rogge, Edmund A., and W. A. Roehm. 2,704,026, Cl. 101—157.
- Rogier, Clarence F., to Johnson Fare Box Co. 2,719,622, Cl. 194—2.
- Rogneby, Olaf R. 2,702,502, Cl. 97—226.
- Rogner, Ernst: *See*—  
 Neu, Karl-Hans, and Rogner. 2,708,290.
- Rogoff, Julian: *See*—  
 Dupre, Henry P., and Rogoff. 2,710,384.
- Rogovin, Seymour P.: *See*—  
 Hellman, Nison N., Tsuchiya, Rogovin, Jackson, and Senti. 2,726,985.
- Rogovy, Max. 2,724,842, Cl. 5—248.
- Rohacs, Etienne, to Societe d'Applications des Machines Motrices. 2,722,579, Cl. 200—77.
- Rohats, Nicholas, to General Electric Co. 2,728,886, Cl. 321—8.
- Rohde, Erwin C.: *See*—  
 Evans, Charles E., and Rohde. 2,726,843.
- Rohe, Frederick W. 2,700,172, Cl. 16—2.
- Rohm & Haas Co.: *See*—  
 Auten, Robert W., and Hankins. 2,727,015.  
 Auten, Robert W., and Yost. 2,699,435.  
 Beavers, Ellington M., and Urban. 2,727,870.  
 Bernard, John J., and Wald. 2,719,118.  
 Bodamer, George W. 2,723,229.  
 Bortnick, Newman M. 2,713,591.  
 Bortnick, Newman M. 2,718,516.  
 Cook, Richard S., and Craig. 2,702,302.  
 Craig, W. E., Shropshire, and Wilson. 2,720,548.  
 Croxall, Willard J., and Melamed. 2,715,631.  
 De Benneville, Peter L. 2,713,576.  
 De Benneville, Peter L. 2,727,068.  
 De Benneville, Peter L., and Luskin. 2,719,156.  
 Hankins, Elinor M., and Melamed. 2,727,016.  
 Hurwitz, Melvin D., and Auten. 2,728,787.  
 Hwa, Jesse C. H. 2,725,361.  
 Kine Benjamin B. 2,719,072.  
 Lo, Chien-Pen, and Craig. 2,708,679.  
 Melamed, Sidney. 2,720,508.  
 Melamed, Sidney. 2,727,019.  
 Melamed, Sidney, and Aycock. 2,727,020.  
 Niederhauser, Warren D. 2,706,195.  
 Niederhauser, Warren D. 2,725,367.  
 Strong, James S., Craig, and Elkind. 2,700,668.
- Rohn, Johann P., to Firma Russ-Elektroofen K. G. Koln. 2,706,212, Cl. 13—27.
- Rohr Aircraft Corp.: *See*—  
 Blackwell, Richard G. 2,703,252.  
 Curtis, Lloyd R., Steward, and Woods. 2,723,368.  
 Derbyshire, Charles F. 2,719,443.  
 Goebel, Kenneth W. 2,699,647.  
 Laddon, Machlin P., and Weidel. 2,702,929.  
 McCreery, Frank E. 2,712,456.
- Rohrbach, Hans,  $\frac{1}{2}$  to J. Reilly, and  $\frac{1}{3}$  to O. Brennemann. 2,718,752, Cl. 60—13.
- Rohrbach, Gilson H., to California Research Corp. 2,717,651, Cl. 166—243.
- Rohrbach, Gilson H., to California Research Corp. 2,728,400, Cl. 166—243.
- Rohrbach, Paul W., to The New York Air Brake Co. 2,726,735, Cl. 187—29.
- Rohrer, John D., and C. W. Sachs, to Raybestos-Manhattan, Inc. 2,718,936, Cl. 188—78.
- Rohrer, Joseph H.: *See*—  
 McCullough, James N., Halle, and Walter. 2,699,493.



- Rohs, Joseph F.: *See*—  
Black, Robert A., and Rohs. 2,712,834.  
Roitner, Leo. 2,712,319, Cl. 132—129.  
Roland, John K.: *See*—  
Joyce, Robert M., Jr., and Roland. 2,723,244.  
Rolatape, Inc.: *See*—  
Staples, James D. 2,716,819.  
Rolf, Elmer A., to Glencoe Mfg. Co. 2,712,781, Cl. 97—47.84.  
Rolf, Denis H., to Marconi Sounding Device Co. Ltd. 2,719,280, Cl. 340—3.  
Rolfes, August. 2,701,509, Cl. 97—46.27.  
Rol-Fol Table, Inc.: *See*—  
Mugler, Charles M. 2,708,961.  
Rolfson, Francis B.: *See*—  
Milligan, William B., Pompeo, and Rolfson. 2,722,826.  
Rolladenfabrik A. Griesser A.-G.: *See*—  
Griesser, Fritz. 2,701,611.  
Roller, Franz T., to Daimler-Benz Aktiengesellschaft. 2,712,741, Cl. 64—13.  
Roller, Wilferd L., to Wilmot Engineering Co. 2,720,971, Cl. 209—172.  
Roller Bearing Co. of America: *See*—  
Herrmann, Karl L. 2,711,938.  
Roller Gear Co., Inc.: *See*—  
Schottler, Henry. 2,711,655.  
Rolleston, Moreton M., Sr. 2,707,115, Cl. 281—44.  
Rolli, Wendel.: *See*—  
Bank, Werner, Baur, Hägele, and Rolli. 2,704,654.  
Rollins, H. Beale: *See*—  
Buck, Benjamin I. 2,703,123.  
Buck, Benjamin I. 2,703,124.  
Rollins, Jackson H., and H. R. Turner. 2,719,792, Cl. 99—56.  
Rollman, Walter F., to Esso Research and Engineering Co. 2,717,913, Cl. 260—683.4.  
Rolls-Royce Ltd.: *See*—  
Ballantyne, David H., Davies, and Bowns. 2,706,888.  
Ballantyne, David H., and Jubb. 2,725,932.  
Davies, David O., and Eley. 2,699,037.  
Gresham, Harold E., Dunlop, and Wheeler. 2,712,498.  
Haworth, Lionel, Davies, and Jubb. 2,718,114.  
Johnson, Francis M., and Carlisle. 2,700,416.  
Johnson, Francis M., and Milner. 2,708,339.  
Jones, Reginald A. B., and Fairhurst. 2,715,302.  
Jubb, Albert, and Ivens. 2,722,800.  
Lombard, Adrian A. 2,722,801.  
Lovesey, Alfred C., Wilde, and Davies. 2,705,590.  
Morley, Frederick W. W. 2,706,125.  
Morley, Frederick W. W., and Freeland-Upshall. 2,712,727.  
Morley, Frederick W. W., and Urmston. 2,709,338.  
Morris, John N., and Dawson. 2,719,035.  
Oulianoff, George, and Evans. 2,709,894.  
Oulianoff, George, and Evans. 2,720,080.  
Oulianoff, George, and Ranson. 2,699,645.  
Pearson, Harry. 2,720,256.  
Seneschall, Ronald. 2,716,563.  
Smedley, John. 2,726,491.  
Squires, Alan T. B. P., and Hannah. 2,710,991.  
Sutton, Peter. 2,712,967.  
Wilde, Geoffrey L. 2,718,349.  
Wilde, Geoffrey L., and McKenzie. 2,728,518.  
Rolscreen Co.: *See*—  
Kuyper, Peter H. 2,716,784.  
Rolston, John A., to The English Mica Co. 2,704,604, Cl. 209—235.  
Romaine, Millard, and E. L. Ritter, to The Cincinnati Milling Machine Co. 2,711,114, Cl. 82—21.  
Roman, Charles. 2,700,796, Cl. 18—42.  
Roman, Robert J., to Eastman Kodak Co. 2,718,948, Cl. 192—45.  
Romanelli, Pat: *See*—  
Miller, Charles, and Romanelli. 2,715,512.  
Romanelli, Pat, and C. Miller, to Ram Domestic Products Co. 2,702,201, Cl. 285—160.  
Romano, Frank T. 2,707,341, Cl. 36—34.  
Romano, James A. 2,707,578, Cl. 222—47.  
Rome Cable Corp.: *See*—  
Fidler, Lester D. 2,716,818.  
Romell, Dag: *See*—  
Lindberg, Lennart, Bjorkman, and Romell. 2,706,248.  
Romero, Arturo M.: *See*—  
Fuentes M., Rafael, and Romero. 2,700,982.  
Romero, Frederick B. 2,709,423, Cl. 122—4.  
Romero, Gregory. 2,710,552, Cl. 81—6.  
Rommeihs, Helen E. 2,700,372, Cl. 120—41.  
Rommel, Otto: *See*—  
Wintersberger, Karl, and Rommel. 2,706,709.  
Romo, Jesus: *See*—  
Djerassi, Carl, Rosenkranz, Kaufmann, Pataki, and Romo. 2,705,237.  
Djerassi, Carl, Rosenkranz, and Romo. 2,698,854.  
Rosenkranz, George, Romo, Stork, and Djerassi. 2,712,027.  
Romo, Jesus, G. Rosenkranz, and C. Djerassi, to Syntex S. A. 2,702,297, Cl. 260—397.1.  
Romo, Paul C., and T. W. Lynch, to Petroleum Engineering Associates, Inc. 2,705,417, Cl. 73—15.  
Ronay, Bela. 2,708,793, Cl. 33—169.  
Roneo Ltd.: *See*—  
Lant, Richard. 2,705,259.  
Ronning, Adolph. 2,698,758, Cl. 280—104.5.  
Ronning, Adolph. 2,698,759, Cl. 280—423.  
Ronning, Adolph. 2,700,550, Cl. 280—95.  
Ronning, Adolph. 2,706,121, Cl. 280—104.5.  
Ronning, Adolph. 2,708,011, Cl. 188—264.  
Ronning, Jacob A. Re. 23,972, Cl. 55—118.  
Rönsch, Kurt. 2,708,708, Cl. 219—35.  
Ronson Corp.: *See*—  
Burchett, Ray L. 2,715,329.  
Burchett, Ray L., and Nissen. 2,711,645.  
Garrett, Sherman S., Nissen, and Burchett. 2,728,335.  
Nissen, Warren I. 2,708,842.  
Nissen, Warren I. 2,717,720.  
Nissen, Warren I. 2,719,421.  
Roodner, Sylvia. 2,701,363, Cl. 2—73.  
Rookyard, Stanley M. 2,714,352, Cl. 101—212.  
Rooney, Elwin H.,  $\frac{1}{3}$  to J. P. Helm, and  $\frac{1}{3}$  to J. A. Chokae. 2,725,712, Cl. 57—124.  
Rooney, George F., Jr. 2,707,415, Cl. 88—14.  
Roop, Nathan W., to Columbus Plastic Products, Inc. 2,725,162, Cl. 222—565.  
Roos, Charles: *See*—  
Clause, Jean, Parisot, Roos, Hilliard, and Jaray. 2,721,730.  
Roos, Charles J. 2,704,503, Cl. 98—68.  
Roos, Delmar G., to Bank of America National Trust and Savings Association. 2,725,955, Cl. 184—6.  
Roos, Siegfried, to J. Komkommer. 2,715,306, Cl. 51—270.  
Roos, Siegfried, to J. Komkommer. 2,725,696, Cl. 51—270.  
Roosa, Vernon D. 2,703,422, Cl. 15—140.2.  
Roosevelt Mills, Inc.: *See*—  
Carter, Joseph S. 2,702,463.  
Root, Augustin A., to General Electric Co. 2,700,896, Cl. 73—136.  
Root, Charles F., to The Chandler & Price Co. 2,711,692, Cl. 101—297.  
Root, Floyd A.: *See*—  
Ihrle, Merle L., and Root. 2,709,847.  
Root, Le Roy, to Scovill Mfg. Co. 2,712,318, Cl. 132—83.  
Root-Lowell Mfg. Co.: *See*—  
Tidd, Victor S. 2,720,421.  
Root, Samuel L., Jr., to Cambridge Filter Corp. 2,720,937, Cl. 183—71.  
Roots, Clarence: *See*—  
Combs, Archie L. 2,710,197.  
Roovers, Wilhelmus A., to Hartford National Bank and Trust Co., trustee. 2,714,785, Cl. 49—78.  
Roper, Alec N.: *See*—  
Szwarc, Michael M., and Roper. 2,712,532.  
Roper, Charles G., to Manning, Maxwell & Moore, Inc. 2,702,381, Cl. 340—187.  
Roper, Geo. D., Corp.: *See*—  
Albright, John R., and Larson. 2,714,857.  
Crone, Albert H. 2,703,837.  
Hollman, Peter I. 2,715,940.  
Ropes, George F., to Columbia Broadcasting System, Inc., d. b. a. Hytron Radio & Electronics Co. 2,726,311, Cl. 219—19.  
Ropp, Roy M. 2,718,283, Cl. 188—4.  
Ropp, Walter S., to Hercules Powder Co. 2,727,871, Cl. 260—27.  
Ropp, Walter S., to Hercules Powder Co. 2,727,872, Cl. 260—27.  
Ropp, Walter S., to Hercules Powder Co. 2,727,873, Cl. 260—27.  
Rorer, William H., Inc.: *See*—  
Simonoff, Robert. 2,726,259.  
Rorholt, Björn A. 2,718,071, Cl. 35—19.  
Rorig, Kurt J., to G. D. Searle & Co. 2,704,285, Cl. 260—256.4.  
Rorig, Kurt, to G. D. Searle & Co. 2,713,065, Cl. 260—465.  
Rorig, Kurt J., to G. D. Searle & Co. 2,723,977, Cl. 260—256.4.  
Rorig, Kurt J., to G. D. Searle & Co. 2,723,978, Cl. 260—256.4.  
Rorig, Kurt J., and R. T. Nicholson, to G. D. Searle & Co. 2,710,867, Cl. 260—256.4.  
Rosaen, Oscar E., to The New York Air Brake Co. 2,710,581, Cl. 103—136.  
Rosamilia, Peter L.: *See*—  
Harvey, Mortimer T., and Rosamilia. 2,699,431.  
Rosamond, Samuel M., and J. C. Campbell, to Boland Machine & Mfg. Co., Inc. 2,720,857, Cl. 114—78.  
Rosander, Axel E.: *See*—  
Johnson, Carl W., and Rosander. 2,706,660.  
Rosauer, Roswell H. 2,704,576, Cl. 164—42.  
Rosback, F. P., Co.: *See*—  
Miller, John W. 2,703,541.  
Miller, John W. 2,712,648.  
Rösch, Georg, W. Wolf, and H. Vollmann, to Farbenfabriken Bayer Aktiengesellschaft. 2,727,043, Cl. 260—319.  
Röschlau, Fritz F. C., to H. Clemmens. 2,704,230, Cl. 308—8.  
Rose, Alexander D., and B. Willach, to Jas. P. Marsh Corp. 2,727,389, Cl. 73—367.  
Rose, Alfred G., and S. Curtis, to Rose Brothers (Gainsborough) Ltd. 2,704,520, Cl. 107—7.  
Rose, Alfred G., J. A. Kay, and J. Page, to Rose Brothers (Gainsborough) Ltd. 2,708,054, Cl. 222—302.  
Rose, Alfred G., and J. A. Gilbert, to Rose Brothers (Gainsborough) Ltd. 2,724,483, Cl. 198—24.  
Rose, Archie B.,  $\frac{1}{2}$  to H. S. Wills. 2,725,206, Cl. 248—42.  
Rose Brothers (Gainsborough) Ltd.: *See*—  
Rose, Alfred G., and Curtis. 2,704,520.  
Rose, Alfred G., and Gilbert. 2,724,483.  
Rose, Alfred G., Kay, and Page. 2,708,054.  
Rose, Charles F. P., to Bell Telephone Laboratories, Inc. 2,728,051, Cl. 333—35.  
Rose, Clarence W. 2,699,284, Cl. 227—49.



- Rose, Clarence W. 2,706,423, Cl. 81—1.  
 Rose, Clarence W. 2,708,778, Cl. 24—131.  
 Rose, D. A.: *See*—  
   Wait, Louis S. 2,718,630.  
 Rose, Downs & Thompson Ltd.: *See*—  
   Andrews, Thomas. 2,726,939.  
 Rose, Ernest A. 2,711,881, Cl. 257—80.  
 Rose, Ernest H.: *See*—  
   Camp, James B., and Rose. 2,705,302.  
 Rose, George E., to Laclede-Christy Co. 2,705,414, Cl. 72—14.  
 Rose, Harold E.: *See*—  
   Butler, Robert P. 2,723,084.  
 Rose, James H. 2,724,291, Cl. 74—710.  
 Rose, Jay. 2,704,266, Cl. 134—22.  
 Rose, Maurice, and D. M. Lawrence, to the United States of America as represented by the Secretary of the Air Force. 2,706,605, Cl. 244—138.  
 Rose, Ralph, to M. H. Detrick Co. 2,713,787, Cl. 72—37.  
 Rose, Robert E. 2,724,274, Cl. 73—343.  
 Rose, Stanley E., and E. E. Heimo, to General Electric Co. 2,715,324, Cl. 62—129.  
 Rose, William G., and H. P. Lundgren, to the United States of America as represented by the Secretary of Agriculture. 2,717,194, Cl. 8—112.  
 Rosebrook, Darwin F.: *See*—  
   Graves, George O., and Rosebrook. 2,705,927.  
 Rosecrans, Elsie M.: *See*—  
   Morgan, Earl, and Rosecrans. 2,711,319.  
 Roseeu, Rolf: *See*—  
   Weissheimer, Herbert, and Roseeu. 2,707,738.  
 Rosegart, Eldon C.: *See*—  
   Harris, Dale C., Wiest, Rosegart, and Crew. 2,705,751.  
 Rosel, Robert W., to Yardley Plastics Co. 2,722,237, Cl. 138—56.  
 Rosell, Axel F. 2,727,365, Cl. 62—129.  
 Roseman, Joseph A., Jr., to Roseman Mower Corp. 2,725,703, Cl. 56—7.  
 Roseman, Leo. 2,703,888, Cl. 2—265.  
 Roseman, Leo. 2,703,889, Cl. 2—265.  
 Roseman Mower Corp.: *See*—  
   Roseman, Joseph A., Jr. 2,725,703.  
 Roseman, Richard E., to York Corp. 2,710,510, Cl. 62—140.  
 Rose-Miller, George P. 2,722,217, Cl. 128—252.  
 Rosen, Carl G. A., and L. E. Johnson, to Caterpillar Tractor Co. 2,706,971, Cl. 123—65.  
 Rosen, Jack M.: *See*—  
   Nupp, Warren D., and Rosen. 2,714,692.  
 Rosen, Julius: *See*—  
   Bongiorno, Leonard. 2,722,270.  
 Rosen, Julius S., to Fedders-Quigan Corp. 2,725,724, Cl. 62—4.  
 Rosen, Minnie: *See*—  
   Bongiorno, Leonard. 2,722,270.  
 Rosen, Raymond, Engineering Products, Inc.: *See*—  
   Roberts, George A., Grosser, and Kiebert. 2,719,284.  
 Rosen, Sidney. 2,712,819, Cl. 126—229.  
 Rosenbaum, Aaron. 2,722,385, Cl. 241—8.  
 Rosenbaum, Charles: *See*—  
   Gluckin, Harry. 2,704,845.  
 Rosenbaum, Charles. 2,715,734, Cl. 2—42.  
 Rosenbaum, Harry S., to The Eastern Venetian Blind Co. 2,703,447, Cl. 29—428.  
 Rosenbaum, Harry S. 2,717,755, Cl. 248—264.  
 Rosenbaum, Irving H. 2,721,328, Cl. 2—95.  
 Rosenbaum "Q-B-K1" Parking Co.: *See*—  
   Newsom, Kitchener K., and Theibault. 2,726,774.  
 Rosenberg, Bernard L., to Robbins Incubator Co. 2,706,915, Cl. 74—425.  
 Rosenberg, David L., to Boston Royal Petticoat Co. 2,711,542, Cl. 2—224.  
 Rosenberg, David S.: *See*—  
   Maude, Aylmer H., and Rosenberg. 2,714,124.  
 Rosenberg, George E., to The Air Preheater Corp. 2,716,884, Cl. 73—12.  
 Rosenberg, Joseph A.: *See*—  
   Tash, Irving. 2,725,056.  
 Rosenberg, Milton: *See*—  
   Stuart-Williams, Raymond, and Rosenberg. 2,720,597.  
 Rosenberg, Milton, to International Telemeter Corp. 2,709,248, Cl. 340—174.  
 Rosenberg, Milton, and B. Stanavice, to International Telemeter Corp. 2,712,126, Cl. 340—166.  
 Rosenberg, Norman W., to Ionics, Inc. 2,708,658, Cl. 204—301.  
 Rosenberg, Philip, to Universal Steel Equipment Corp. 2,719,633, Cl. 211—136.  
 Rosenberg, Ralph H., to Ainsworth Mfg. Corp. 2,713,384, Cl. 155—14.  
 Rosenberg, Raymond: *See*—  
   Howard, Walter B., Nelson, and Rosenberg. 2,725,985.  
 Rosenberg, Seymour: *See*—  
   Mautner, Robert S., and Rosenberg. 2,701,271.  
   Mautner, Robert S., and Rosenberg. 2,704,781.  
 Rosenberg, Seymour. 2,706,455, Cl. 112—134.  
 Rosenberg, Stig E. 2,700,766, Cl. 2—33.  
 Rosenberg, Stig E. 2,705,798, Cl. 2—33.  
 Rosenberg, Stig E. 2,726,396, Cl. 2—38.  
 Rosenberg, Albert J., to Republic Flow Meters Co. 2,706,466, Cl. 121—41.  
 Rosenblad Corp.: *See*—  
   Dahlbeck, Sven W. 2,699,225.  
   Lockman, Carl J. 2,707,991.  
 Rosenblatt, Edgar F., and J. G. Cohn, to Baker & Co., Inc. 2,719,797, Cl. 117—65.  
 Rosenbloom, Leon, to S. Rosenbloom, Inc. 2,704,988, Cl. 112—252.  
 Rosenbloom, S., Inc.: *See*—  
   Rosenbloom, Leon. 2,704,988.  
 Rosencrans, Charles A., to Radio Corp. of America. 2,704,830, Cl. 333—83.  
 Rosene, Victor E., to Bell Telephone Laboratories, Inc. 2,709,722, Cl. 179—175.2.  
 Rosenfeld, Harry, V. Reiter, and M. Deakter. 2,714,925, Cl. 155—139.  
 Rosenfeld, Nathan. 2,716,582, Cl. 311—83.  
 Rosenhagen, Carl. 2,714,279, Cl. 51—184.3.  
 Rosenkaimer G. m. b. H.: *See*—  
   Zimmermann, Richard. 2,717,609.  
   Zimmermann, Richard, and Völker. 2,705,967.  
 Rosenkrans, Allen A.: *See*—  
   Suozzo, John, and Rosenkrans. 2,727,591.  
 Rosenkranz, George: *See*—  
   Djerassi, Carl, Rosenkranz, Kaufmann, Pataki, and Romo. 2,705,237.  
   Djerassi, Carl, Rosenkranz, and Romo. 2,698,854.  
   Romo, Jesus, Rosenkranz, and Djerassi. 2,702,297.  
   Sondheimer, Franz, Djerassi, and Rosenkranz. 2,702,290.  
   Sondheimer, Franz, Djerassi, Rosenkranz, and Mancera. 2,702,291.  
 Rosenkranz, George, and C. Djerassi, to Syntex S. A. 2,703,805, Cl. 260—397.45.  
 Rosenkranz, George, J. Romo, G. Stork, and C. Djerassi, to Syntex S. A. 2,712,027, Cl. 260—397.45.  
 Rosenkranz, George, and C. Djerassi, to American Syntex Inc. 2,712,028, Cl. 260—397.45.  
 Rosenkranz, George, and C. Djerassi, to Syntex S. A. 2,715,637, Cl. 260—397.3.  
 Rosenstein, Abraham J.: *See*—  
   Rosenstein, Nathan and A. J. 2,715,309.  
 Rosenstein, Nathan and A. J. 2,715,309, Cl. 57—140.  
 Rosenthal, Abraham. 2,719,978, Cl. 2—105.  
 Rosenthal, Edward M. 2,710,769, Cl. 296—17.  
 Rosenthal, Harry. 2,709,290, Cl. 24—204.  
 Rosenthal, Howard: *See*—  
   Freedman, Norman S., and Rosenthal. 2,711,690.  
 Rosenthal, Joseph: *See*—  
   Austin, Samuel. 2,725,019.  
 Rosenthal, Morris: *See*—  
   Hager, Karl F., and Rosenthal. 2,708,184.  
   Hager, Karl F., and Rosenthal. 2,715,572.  
 Rosenthal, Samuel. 2,723,062, Cl. 223—73.  
 Rosenthal, Sidney N. 2,713,176, Cl. 15—134.  
 Rosenthal, William. 2,719,975, Cl. 2—42.  
 Rosenwald, Robert H.: *See*—  
   Chenicek, Joseph A., and Rosenwald. 2,715,072.  
 Rosenwald, Robert H., to Universal Oil Products Co. 2,705,240, Cl. 260—398.5.  
 Rosenwald, Robert H., to Universal Oil Products Co. 2,721,804, Cl. 99—163.  
 Rosenzweig, Siegfried. 2,717,747, Cl. 248—24.  
 Rosier, Raymond H. D., to Societe d'Optique et de Mecanique de Haute Precision. 2,704,487, Cl. 88—57.  
 Rosier, Raymond H. D., to Societe d'Optique et de Mecanique de Haute Precision. 2,716,920, Cl. 88—16.6.  
 Rosin, Jacob, to Montrose Chemical Corp. of California. 2,701,817, Cl. 260—650.  
 Rosin, Jacob, to Montrose Chemical Co. 2,716,658, Cl. 260—461.  
 Rosin, Jacob, to Montrose Chemical Co. 2,721,224, Cl. 260—650.  
 Rosing, Theodore F., to Cutler-Hammer, Inc. 2,703,350, Cl. 200—116.  
 Ross, Alexander. 2,707,227, Cl. 240—10.65.  
 Ross, Bruce M.: *See*—  
   Barber, Harry A., and Ross. 2,705,133.  
 Ross, Budd H., to Titen-Trim, Inc. 2,717,397, Cl. 4—187.  
 Ross, Chandler C., to Aerojet-General Corp. 2,728,192, Cl. 60—39.14.  
 Ross, Cornelius A.: *See*—  
   Stepath, Myron D., Krumm, and Ross. 2,706,236.  
 Ross, Donald A. 2,725,702, Cl. 55—118.  
 Ross, Donald V., to Eastman Kodak Co. 2,716,138, Cl. 260—621.  
 Ross, Frederick W. 2,705,117, Cl. 244—83.  
 Ross, Harold M.: *See*—  
   Kaplan, Yale, and Ross. 2,707,581.  
 Ross, Harry A. 2,703,232, Cl. 267—1.  
 Ross, Harry F. 2,710,584, Cl. 108—1.  
 Ross, Harry R., and S. Gantz, to General Air Products Corp. 2,727,383, Cl. 73—40.7.  
 Ross, Harvey M.: *See*—  
   Magnuski, Henry, and Ross. 2,699,496.  
 Ross, Herbert F.: *See*—  
   Kahler, William H., Balassa, and Ross. 2,702,228.  
 Ross, Herbert J.: *See*—  
   Gaunt, Alfred, Earle, and Ross. 2,712,683.  
 Ross, James D. 2,718,209, Cl. 119—26.  
 Ross, James H., and J. H. Carmack. 2,720,343, Cl. 222—209.  
 Ross, James P. 2,701,491, Cl. 81—64.  
 Ross, James P. 2,712,692, Cl. 30—287.  
 Ross, James P. 2,723,694, Cl. 145—50.  
 Ross, John, to Colgate-Palmolive Co. 2,708,183, Cl. 252—137.  
 Ross, John C. 2,716,336, Cl. 70—238.  
 Ross, Karl F.: *See*—  
   Cutler, Phil, and Ross. 2,728,911.  
   Di Petto, Mario. 2,725,761.  
 Ross, Karl F. 2,728,854, Cl. 250—27.



- Ross, King: *See*—  
Wolfe, Paul C., and Ross. 2,704,210.
- Ross, Leslie D., and W. A. Flumerfelt, to The Columbus Auto Parts Co. 2,710,208, Cl. 287—90.
- Ross, Minor R.: *See*—  
Sturdivant, Helen V., and Ross. 2,716,316.
- Ross, Olive D.: *See*—  
Bloch Felix, and Hansen. Re. 23,950.
- Ross, Oren E., and J. L. Williams, to The Dow Chemical Co. 2,705,131, Cl. 259—25.
- Ross, Raymond W., to Leeds and Northrup Co. 2,721,109, Cl. 346—29.
- Ross, Robert E. 2,721,414, Cl. 43—42.5.
- Ross, Robert E., to United-Carr Fastener Corp. 2,725,609, Cl. 24—73.
- Ross, Robert S.: *See*—  
Johnson, William C., Jr., Ross, and Wolcott. 2,710,157.
- Ross, Sidney D., and M. Markarian, to Sprague Electric Co. 2,702,825, Cl. 260—611.
- Ross, Sidney D., and W. M. Allison, to Sprague Electric Co. 2,719,182, Cl. 260—666.5.
- Ross, Thomas M.: *See*—  
Jones, Clarence M., and Ross. 2,718,319.
- Ross, Valentine A., and F. Drucek, Jr., to Chicago Cardboard Co. 2,728,154, Cl. 40—39.
- Ross, Vincent. 2,704,365, Cl. 2—116.
- Ross, Walter S.: *See*—  
Mills, John K., and Ross. 2,706,258.
- Ross, Wayne M., to Minneapolis-Honeywell Regulator Co. 2,728,899, Cl. 340—3.
- Ross, Wayne M., to Minneapolis-Honeywell Regulator Co. 2,728,900, Cl. 340—3.
- Ross, Willard J. 2,716,446, Cl. 159—1.
- Ross, William C., and A. W. Niconchuk, to W. R. Grace & Co. 2,723,932, Cl. 154—54.5.
- Ross, William W.: *See*—  
Reck, Richard A., and Ross. 2,727,026.
- Rossak, Johann A., to ARWA Feinstrumpfwirkerel G. m. b. H. 2,717,511, Cl. 66—169.
- Rosbacher, Ernest: *See*—  
Erikson, Walter H., and Rosbacher. 2,721,743.
- Rossell, William T., to Transit Research Corp. 2,700,346, Cl. 105—197.2.
- Rossell, William T., to Transit Research Corp. 2,709,970, Cl. 105—190.
- Rossell, William T., to Transit Research Corp. 2,709,971, Cl. 105—197.
- Rossell, William T., to Transit Research Corp. 2,718,196, Cl. 105—187.
- Rossell, William T., to Transit Research Corp. 2,723,628, Cl. 105—190.
- Rossen, Clara S.: *See*—  
Early, Robert W. 2,715,221.
- Rosser, Charles M., to American Viscose Corp. 2,699,405, Cl. 117—63.
- Rosser, Charles M., to American Viscose Corp. 2,699,406, Cl. 117—63.
- Rossetto, Louis, to Mergenthaler Linotype Co. 2,706,553, Cl. 199—53.
- Rossetto, Louis, to Mergenthaler Linotype Co. 2,707,549, Cl. 199—50.
- Rossetto, Louis, P. Hilpman, and W. B. Abbott, to Mergenthaler Linotype Co. 2,723,023, Cl. 199—23.
- Rossi, Bruno: *See*—  
Alvarez, Louis W., Rossi, and Chromey. 2,706,793.
- Rossi, Irving, and D. S. Ogden, to Continuous Metalcast Co., Inc. 2,726,430, Cl. 22—57.2.
- Rossi, William J., to California Research Corp. 2,702,784, Cl. 202—42.
- Rossier, John D.: *See*—  
Lacy, Roy, McClintock, and Rossier. 2,706,319.
- Rüssler, Heinrich G. F., and H. Börger, to Daimler-Benz Aktiengesellschaft. 2,724,448, Cl. 180—14.
- Rossmann, Edwin F., to General Motors Corp. 2,698,675, Cl. 188—88.
- Rost, Karlheinz: *See*—  
Becker, Helmut, Bender, Bergmann, Rost, and Zobel. 2,728,222.
- Rost, Willi C. 2,704,006, Cl. 82—33.
- Rostler, Fritz S., to Golden Bear Oil Co. 2,704,967, Cl. 94—4.
- Rostock, Gunther H. 2,705,948, Cl. 126—271.
- Roswell, Charles N. 2,706,106, Cl. 257—246.
- Rotaread Corp.: *See*—  
Clark, Carleton L., Hickey, Kaiser, and Smith. 2,717,536.
- Rotary Lift Co.: *See*—  
Harrison, John B. 2,713,922.
- Rotary Oil Tool Co.: *See*—  
Kammerer, Archer W. 2,719,700.
- Kammerer, Archer W., Jr. 2,710,172.
- Kammerer, Archer W., Jr. 2,719,701.
- Rotax Ltd.: *See*—  
Allen, Alfred M. 2,719,887.
- Millus, Terence W. 2,705,398.
- Roth, Barbara: *See*—  
Hulquist, Martin E., and Roth. 2,717,250.
- Roth, Charles M. 2,699,357, Cl. 299—107.
- Roth, Donald W., and W. J. Mitchell, to Union Carbide and Carbon Corp. 2,712,351, Cl. 158—27.4.
- Roth, Ernest J., to Joe Lowe Corp. 2,713,950, Cl. 214—309.
- Roth, Ernest J., to Joe Lowe Corp. 2,713,958, Cl. 226—14.
- Roth, Eugene. 2,721,651, Cl. 205—7.
- Roth, Grant V. W.: *See*—  
Saari, Frank E., and Roth. 2,725,247.
- Roth, Grant V. W. 2,719,282, Cl. 340—25.
- Roth, Grant V. W., and S. Guarnaschelli, to G. V. W. Roth, as trustee under The Naugatuck Trust. 2,698,760, Cl. 285—8.
- Roth, Grant V. W., and L. V. Walsh. 2,699,536, Cl. 340—49.
- Roth, Grant V. W., and L. V. Walsh. 2,719,281, Cl. 340—25.
- Roth, Grant V. W., and S. Guarnaschelli, to said Roth, a trustee under the Naugatuck Trust. 2,725,207, Cl. 248—62.
- Roth, Harold. 2,703,884, Cl. 2—42.
- Roth, Leo C., to Roy E. Roth Co. 2,724,338, Cl. 103—96.
- Roth, Malcolm E. 2,711,207, Cl. 155—31.
- Roth, Morris E., to Chance Vought Aircraft, Inc. 2,709,054, Cl. 244—113.
- Roth, Roger. 2,701,116, Cl. 251—66.
- Roth, Roy E., Co.: *See*—  
Roth, Leo C. 2,724,338.
- Roth, Samuel C. 2,718,833, Cl. 95—47.
- Roth, William A., 12½% to J. J. Palkowitch, 12½% to P. Vance, 12½% to L. R. Unger, and 17½% to A. J. Alberts. 2,728,430, Cl. 192—58.
- Rothgery, Walter H. 2,719,718, Cl. 273—142.
- Rothlisberger, Alvin C., and C. A. Ura-neck, to Phillips Petroleum Co. 2,720,510, Cl. 260—83.5.
- Rothman, Edward S., and M. E. Wall, to the United States of America as represented by the Secretary of Agriculture. 2,715,122, Cl. 260—210.5.
- Rothman, Emil, to Barry-Wehmiller Machinery Co. 2,707,572, Cl. 214—309.
- Rothman, Max I., and H. Davis. 2,721,265, Cl. 250—36.
- Rothrock, George M., to E. I. du Pont de Nemours and Co. 2,706,674, Cl. 18—54.
- Rothrock, Virgil H., to The Pacific Coast Co. 2,702,570, Cl. 144—242.
- Rothstein, Jerome, to the United States of America as represented by the Secretary of the Army. 2,711,379, Cl. 148—1.5.
- Rothstein, Jerome. 2,716,722, Cl. 317—235.
- Rothstein, Jerome. 2,721,953, Cl. 315—3.5.
- Rothstein, Jerome, to the United States of America as represented by the Secretary of the Army. 2,721,972, Cl. 324—33.
- Rothstein, Victor L., and E. Kron, to Federal Electric Products Co. 2,715,700, Cl. 317—109.
- Rothwell, Henry F.: *See*—  
Olson, Eugene O., and Rothwell. 2,703,260.
- Rothwell, John J., to Penn Controls, Inc. 2,724,950, Cl. 62—7.
- Rothwell, Philip M., to Chrysler Corp. 2,716,399, Cl. 123—122.
- Rotkin, Israel, to the United States of America as represented by the Secretary of the Army. 2,701,526, Cl. 102—70.2.
- Rotkin, Israel, J. Rabinow, and J. A. Guarracini, to the United States of America as represented by the Secretary of Commerce. 2,714,928, Cl. 164—111.
- Rotol Ltd.: *See*—  
Chilman, John A. 2,699,303.
- Chilman, John A., Mapp, and Cripps. 2,710,355.
- Rotolite Device Co., Inc.: *See*—  
Morin, Louis H. 2,706,770.
- Rototex Research Corp.: *See*—  
Polnauer, Frederick F. 2,728,357.
- Rotow, Alexander A., to Radio Corp. of America. 2,723,360, Cl. 313—65.
- Rotsler, George F. 2,707,597, Cl. 242—84.5.
- Rotter, Lutwin C.: *See*—  
Mueller, Carl H., Rotter, and Schneller. 2,715,454.
- Rottig, Walter. 2,700,049, Cl. 260—450.
- Rottig, Walter, to Ruhrchemie Aktiengesellschaft. 2,719,180, Cl. 260—643.
- Rottschaefer, Bernard W., and A. F. Plue, to General Aniline & Film Corp. 2,703,801, Cl. 260—247.1.
- Rouan, Francis J., and J. A. Strother, to Pitney-Bowes, Inc. 2,703,237, Cl. 270—68.
- Rouan, Francis J., and J. W. Bach, to Pitney-Bowes, Inc. 2,706,115, Cl. 270—68.
- Rouault, Charles L., to General Electric Co. 2,724,049, Cl. 250—2.
- Roubal, Alexander J., to Allis-Chalmers Mfg. Co. 2,702,634, Cl. 209—367.
- Roubal, Alexander J., to Allis-Chalmers Mfg. Co. 2,706,656, Cl. 288—23.
- Roubal, Alexander J., to Allis-Chalmers Mfg. Co. 2,723,814, Cl. 248—18.
- Roudoy, Victor A.: *See*—  
Collins, Tappan, Colby, and Roudoy. 2,705,910.
- Roughsedge, Robert H.: *See*—  
Edelman, Abraham, Roughsedge, and Lustig. 2,711,093.
- Edelman, Abraham, Roughsedge, and Lustig. 2,711,094.
- Roberts, Samuel B., Roughsedge, Edelman, and Koslow. 2,713,980.
- Weber, Harold, and Roughsedge. 2,707,306.
- Roughsedge, Robert H., to Celanese Corp. of America. 2,705,362, Cl. 28—51.
- Rounds, Harold J., Jr.: *See*—  
Benson, Bernard S., Markakis, Danenberg, and Rounds. 2,728,521.
- Rounsefell, Clifford P.: *See*—  
Baker, Leonard. 2,717,710.
- Rountree, J. A.: *See*—  
Holliman, James E., and Brooks. 2,715,985.
- Rous, Arthur, to Federal Carton Corp. 2,727,674, Cl. 229—16.
- Rouse, William H., to Cutler-Hammer, Inc. 2,711,462, Cl. 200—168.
- Roush, Milton S., to Thompson Products, Inc. 2,709,569, Cl. 253—77.



- Roussel, Philip A., to E. I. du Pont de Nemours and Co. 2,721,187, Cl. 260—45.85.  
 Routh, Almond C. 2,722,177, Cl. 107—1.  
 Routh, Felix L., 25% each to C. C. Rice and W. A. Bowers. 2,709,867, Cl. 43—15.  
 Routien, John B.: *See*—  
   Shull, Gilbert M., Sardinas, and Routien. 2,721,163.  
 Rouverol, William S., to Grinnell Corporation. Re. 24,050, Cl. 267—1.  
 Roux, Pierre. 2,720,970, Cl. 207—9.  
 Roux, Pierre. 2,726,560, Cl. 78—9.  
 Rouzaud, Pierre J. 2,711,096, Cl. 72—41.  
 Rovex Scale Models Ltd.: *See*—  
   Vanetizian, Alexander G., and Katryniak. 2,711,857.  
 Rovner, Leopold E., to the United States of America as represented by the Secretary of the Navy. 2,700,221, Cl. 33—27.  
 Rovoldt, Charles L., to Wales-Strippit Corp. 2,708,573, Cl. 267—1.  
 Rowan, Henry A.: *See*—  
   Zinty, Marcel J., Rowan, and Gabelmann. 2,726,642.  
 Rowan, John E. 2,726,697, Cl. 150—37.  
 Rowan, Thomas M., to Wilson Mfg. Co. 2,715,954, Cl. 189—14.  
 Rowand, Will H., and P. R. Loughin, to The Babcock & Wilcox Co. 2,699,041, Cl. 60—70.  
 Rowe, David A., to Sun Oil Co. 2,727,001, Cl. 252—8.5.  
 Rowe, David A., to Sun Oil Co. 2,727,002, Cl. 252—8.5.  
 Rowe, David S., to National Research Development Corp. 2,716,886, Cl. 73—53.  
 Rowe, Floyd H., to Westinghouse Electric Corp. 2,724,454, Cl. 181—33.  
 Rowe, Frank E., Jr., to Abington Textile Machinery Works. 2,700,190, Cl. 19—109.  
 Rowe, George E., to Emhart Mfg. Co. 2,702,444, Cl. 49—9.  
 Rowe, Kenneth R., to Orthopedic Frame Co. 2,702,550, Cl. 128—317.  
 Rowe Mfg. Co., Inc.: *See*—  
   Gabrielsen, Christian. 2,719,528.  
   Gabrielsen, Christian. 2,719,651.  
 Rowe Mfg. Co., Inc., The: *See*—  
   Gabrielsen, Christian. 2,704,590.  
   Gabrielsen, Christian. 2,713,739.  
 Rowe, Oliver R., and W. J. Stolp, to R. H. Boulogny, Inc. 2,717,422, Cl. 18—39.  
 Rowe, Orville M. F. Wood, and A. C. Gayne, to The Leander Corp. 2,700,827, Cl. 33—185.  
 Rowe, Paul H., to Maas-Rowe Electromusic Corp. 2,703,504, Cl. 84—402.  
 Rowe, Richard, to Victor Wolf Ltd. 2,717,271, Cl. 260—616.  
 Rowe, Richard G., to Dictaphone Corp. 2,710,400, Cl. 106—37.  
 Rowe, Richard G., to Dictaphone Corp. 2,710,401, Cl. 106—37.  
 Rowe, Richard G., to Dictaphone Corp. 2,710,402, Cl. 106—37.  
 Rowe, Richard G., to Dictaphone Corp. 2,710,403, Cl. 106—37.  
 Rowe, Richard G., to Dictaphone Corp. 2,710,404, Cl. 106—37.  
 Rowe, Richard G., to Dictaphone Corp. 2,712,505, Cl. 106—37.  
 Rowe Spacarb, Inc.: *See*—  
   King, William V. 2,712,887.  
 Rowe, Walker E. 2,716,555, Cl. 279—56.  
 Rowe, Walker E. 2,716,709, Cl. 310—254.  
 Rowe, William W., to Cincinnati Industries, Inc. 2,705,209, Cl. 154—51.  
 Rowell, William G., 45% to M. H. Hamilton. 2,711,696, Cl. 103—27.  
 Rowland, Alvin, and P. R. Bice. 2,703,471, Cl. 51—168.  
 Rowland, Elmer F. 2,723,632, Cl. 111—67.  
 Rowland, George P., Jr.: *See*—  
   Fisher, Thomas W., Jr., and Rowland. 2,713,568.  
 Rowland, Walter P., and K. P. Martin, to The Colonial Press, Inc. 2,719,392, Cl. 53—64.  
 Rowlands, Daniel C., to Air Reduction Co., Inc. 2,703,333, Cl. 260—566.  
 Rowlands, Daniel C., to Air Reduction Co., Inc. 2,728,791, Cl. 260—461.  
 Rowlands, Tom, to Molins Machine Co. Ltd. 2,708,472, Cl. 154—31.  
 Rowlands, Tom, to Molins Machine Co. Ltd. 2,714,365, Cl. 118—262.  
 Rowlands, Tom, to Molins Machine Co. Ltd. 2,714,415, Cl. 154—30.  
 Rowley, John C., Jr.: *See*—  
   Oppenlander, Richard C., and Rowley. 2,714,510.  
 Rowser, Earl C., and E. M. Apple. 2,726,417, Cl. 15—136.  
 Roy, Albert E., and T. V. Tyler. 2,706,919, Cl. 80—10.  
 Roy, Earl E. and G. A. 2,722,955, Cl. 143—43.  
 Roy, Grace A.: *See*—  
   Roy, Earl E. and G. A. 2,722,955.  
 Roy, Henri G. 2,717,420, Cl. 18—12.  
 Roy, Herman T., Jr., to The General Tire and Rubber Co. 2,710,830, Cl. 202—42.  
 Roy, Milton, Co.: *See*—  
   Saalfrank, Royal B. 2,707,485.  
   Saalfrank, Royal B. 2,727,533.  
 Roy, Richard F.: *See*—  
   Orozco, Gilbert H., and Roy. 2,712,511.  
 Roy, Robert, Jr. 2,698,577, Cl. 103—5.  
 Roy, Tuhin K.: *See*—  
   Schaufelberger, Felix A., and Roy. 2,720,457.  
 Roy, Tuhin K., to Chemical Construction Corp. 2,722,480, Cl. 75—108.  
 Roy, Tuhin K., and F. A. Schaufelberger, to Chemical Construction Corp. 2,726,953, Cl. 75—108.  
 Roy, Wallace R.: *See*—  
   Brent, Jewell A., Brown, and Roy. 2,724,652.  
 Royal Appliance Mfg. Co.: *See*—  
   Martinet, Eugene F. 2,717,748.  
 Royal Electric Co.: *See*—  
   Alperin, Max, and Baenziger. 2,726,322.  
   Levinson, Benjamin L. 2,699,621.  
 Royal Electric, Inc.: *See*—  
   Spitler, Clem H., and Moon. 2,717,982.  
 Royal McBee Corp.: *See*—  
   Balfour, David G. 2,728,438.  
   Burke, William F., and Essex. 2,724,362.  
   Feiertag, Arthur W. 2,704,578.  
   Girouard, Edgar A. 2,707,544.  
   Kupper, William H. 2,728,435.  
   Kupper, William H. 2,728,436.  
   Kupper, William H. 2,728,437.  
   Lambert, Harry L. 2,710,681.  
   Lambert, Harry L. 2,711,811.  
   Martin, Clarence W. 2,726,720.  
   Wendt, Frederick C. 2,728,441.  
 Royall, Horace H. 2,719,475, Cl. 98—2.  
 Royals, Herbert L. 2,709,023, Cl. 222—97.  
 Royce, Randall: *See*—  
   Critzman, Clarence G., and Royce. 2,700,614.  
 Royen, Paul A. C.: *See*—  
   Gross, Hans-Werner, and Royen. 2,727,056.  
 Royster, Percy H. 2,705,697, Cl. 202—9.  
 Rozanski, Leo. 2,708,523, Cl. 211—89.  
 Rozières, Jean A. L. 2,704,597, Cl. 205—14.  
 Rozières, Jean A. L. 2,714,282, Cl. 57—34.  
 Rozman, George J., to Ashland Oil & Refining Co. 2,707,705, Cl. 252—51.5.  
 Rozmus, Walter J., to Utica Drop Forge & Tool Corp. 2,715,345, Cl. 78—82.  
 Rozsa, Tibor A.: *See*—  
   Lykken, Henry G., and Rozsa. 2,728,456.  
 Ruane, George W. 2,726,400, Cl. 2—132.  
 Ruau, Felix F.: *See*—  
   Molins, Desmond W., Ruau, and Jackson. 2,703,089.  
   Molins, Desmond W., Ruau, and Jackson. 2,716,412.  
 Ruau, Felix F., D. W. Molins, and N. W. Jackson, to Molins Machine Co. Ltd. 2,708,440, Cl. 131—61.  
 Rubber Barricade Co., Inc.: *See*—  
   Elliott, Elden E. 2,701,127.  
 Ruben, Samuel: *See*—  
   Williams, Fred D., Jr. 2,712,565.  
 Ruben, Samuel. 2,707,199, Cl. 136—83.  
 Ruben, Samuel. 2,708,242, Cl. 250—83.3.  
 Ruben, Samuel. 2,711,496, Cl. 317—238.  
 Ruben, Samuel. 2,711,497, Cl. 317—238.  
 Rubens, David. 2,711,234, Cl. 190—26.  
 Rubenstein, Harry J. 2,698,690, Cl. 211—106.  
 Ruberoid Co., The: *See*—  
   Abraham, Herbert. 2,699,129.  
   Abraham, Herbert. 2,728,309.  
   Herbes, Ambrose W. 2,724,872.  
 Rubin, David. Re. 23,995, Cl. 206—7.  
 Rubin, Irving: *See*—  
   Kontoff, Saul, and Rubin. 2,707,506.  
   Mulhall, John P. 2,714,251.  
 Rubin, Leon. 2,701,300, Cl. 240—123.  
 Rubin, Louis C.: *See*—  
   McGrath, Henry G., and Rubin. 2,728,786.  
 Rubin, Louis C., to The M. W. Kellogg Co. 2,724,672, Cl. 154—82.  
 Rubin, Martin: *See*—  
   Bersworth, Frederick C., and Rubin. 2,698,823.  
 Rubin, Martin, to Chemical Specialties Co., Inc. 2,705,719, Cl. 260—397.3.  
 Rubin, Milton D., to Raytheon Mfg. Co. 2,722,607, Cl. 250—36.  
 Rubin, Noah. 2,710,101, Cl. 211—74.  
 Rubin, Samuel, to Hazeltine Research, Inc. 2,705,778, Cl. 333—33.  
 Rubin, Solomon. 2,714,950, Cl. 198—37.  
 Rubin Sylvan, W. H. Corcoran, and P. A. Longwell, to the United States of America as represented by the Secretary of the Navy. 2,728,295, Cl. 102—49.  
 Rubino, Daniel: *See*—  
   Conklin, Robert E., Rubino, and Seidler. 2,711,574.  
 Rubinstein, Harry W., to Herlec Corp. 2,702,364, Cl. 323—74.  
 Ruble, Donald W.: *See*—  
   Hocks, Robert W., and Jones. 2,702,604.  
 Ruble, Raymond J., to Texaco Development Corp. 2,721,944, Cl. 250—83.1.  
 Ruble, Romey F., 1/4 to A. E. Voglewede. 2,700,425, Cl. 170—160.25.  
 Ruble, Wilbur J. 2,703,397, Cl. 340—8.  
 Rucks, Edward L.: *See*—  
   Johnson, Arthur B., Jr., Koertge, and Rucks. 2,713,104.  
   Koertge, Nobel H., and Rucks. 2,707,213.  
 Rucks, Edward L., and N. H. Koertge, to Furnas Electric Co. 2,713,092, Cl. 200—5.  
 Ruckstahl, Alfred. 2,713,480, Cl. 263—8.  
 Ruckstell Corp.: *See*—  
   Ruckstell, Glover E. 2,712,812.  
   Ruckstell, Glover E. 2,713,997.



- Ruckstell, Glover E., to Ruckstell Corp. 2,712,812, Cl. 121—194.
- Ruckstell, Glover E., to Ruckstell Corp. 2,713,997, Cl. 257—262.16.
- Ruckwardt, Kurt F.: *See—*  
Frick, Frederick F., Donohoe, and Ruckwardt. 2,716,600.
- Rudavsky, Leo, to Brown & Bigelow. 2,700,009, Cl. 154—118.
- Rudd, Harold H., to I-T-E Circuit Breaker Co. 2,706,744, Cl. 174—99.
- Ruddock, Leonard: *See—*  
Bagshaw, Charles M., and Ruddock. 2,700,932.
- Rudeen, Carl S. 2,723,871, Cl. 289—10.
- Rudel, Harry W.: *See—*  
Bartlett, Jeffrey H., Rudel, and Cyphers. 2,705,694.  
Rogers, Dilworth T., and Rudel. 2,723,906.  
Rogers, Dilworth T., and Rudel. 2,723,907.
- Rudel, Harry W., and M. Gargisa, to Esso Research and Engineering Co. 2,718,500, Cl. 252—46.6.
- Ruderfer, Martin, to Avien-Knickerbocker, Inc. 2,714,703, Cl. 323—74.
- Rudhart, Joseph A. 2,716,285, Cl. 33—172.
- Rudis, Joseph T., and F. J. Boody, to General Dynamics Corp. 2,721,750, Cl. 292—139.
- Rudisill, Annie B. 2,704,070, Cl. 128—167.
- Rudloff, Gerhard. 2,720,339, Cl. 222—85.
- Rudner, Merritt A., to United States Gasket Co. 2,724,095, Cl. 339—192.
- Rudner, Merritt A., to United States Gasket Co. 2,728,698, Cl. 154—43.
- Rudnick, Edward S., and S. I. Hunter. 2,709,448, Cl. 137—571.
- Rudnick, Joseph B., and W. F. Metzger. 2,699,780, Cl. 128—272.
- Rudo Associates: *See—*  
Lynch, Leslie S., Jr. 2,700,723.  
Lynch, Leslie S., Jr. 2,700,724.
- Rudolph, Edward A., to Duchess, Inc. 2,708,899, Cl. 118—500.
- Rudolph, Simon R.: *See—*  
Rekettie, Paul. 2,725,627.
- Rudolph, William E., to Philco Corp. 2,722,669, Cl. 339—143.
- Rudy, Dennis D., to E. I. du Pont de Nemours and Co. 2,723,227, Cl. 202—46.
- Rudy, Franklin: *See—*  
Edelman, Philip, and Rudy. 2,709,339.
- Rudy, William G., to Radio Corp. of America. 2,727,170, Cl. 313—67.
- Rue, Harold E., and L. Tigerman, to Pabst Brewing Co. 2,699,338, Cl. 279—2.
- Rueb, Earl J.: *See—*  
Jones, Frank W., and Rueb. 2,700,152.
- Ruebel, Charles, and R. W. Murdock, to Gregory Industries, Inc. 2,718,578, Cl. 219—4.
- Rueckert, Dean E., to Swift & Co. 2,698,800, Cl. 99—109.
- Ruedisulj, Wilhelmus M. J., to Shell Development Co. 2,721,884, Cl. 260—668.
- Rueff, Rene H. 2,725,195, Cl. 235—88.
- Ruegg, Rudolf, A. Buehler, and E. Moser, to Ciba Ltd. 2,715,120, Cl. 260—162.
- Rueggeberg, Walter H. C., to Tennessee Corp. 2,724,638, Cl. 23—172.
- Rueggeberg, Werner, to Armstrong Cork Co. 2,721,924, Cl. 219—10.45.
- Ruehl, Harold, E. F. O'Neil, and M. E. Hansing. 2,720,735, Cl. 51—227.
- Ruehle, Archie E.: *See—*  
Mallinckrodt, Edward, Jr., and Ruehle. 2,720,544.  
Mallinckrodt, Edward, Jr., and Ruehle. 2,720,545.  
Mallinckrodt, Edward, Jr., and Ruehle. 2,720,546.
- Ruehrwein, Robert A., and G. B. Skinner, to Monsanto Chemical Co. 2,720,281, Cl. 183—119.
- Ruehrwein, Robert A., and G. B. Skinner, to Monsanto Chemical Co. 2,720,445, Cl. 23—87.
- Ruelius, Hans W.: *See—*  
György, Paul, Kuhn, and Ruelius. 2,708,165.
- Ruemelin, Richard. 2,712,425, Cl. 248—75.
- Rufenach, Harold E., to Gainers Ltd. 2,702,404, Cl. 17—1.
- Ruff, Richard J.: *See—*  
Suter, Harold R., and Ruff. 2,720,494.
- Ruffalo, John B. 2,714,984, Cl. 229—92.1.
- Ruffer, Walter F., to Detroit Controls Corp. 2,724,400, Cl. 137—201.
- Ruffe, William H., to Speed Development Co. Ltd. 2,718,565, Cl. 200—81.5.
- Ruffolo, Patrick E.: *See—*  
Greco, Charles C., Ruffolo, and Kessler. 2,721,011.
- Ruffe, George H., to Handi-Fisher Corp. 2,706,096, Cl. 242—97.
- Ruge, William A. 2,710,082, Cl. 190—41.
- Rugen, Vernon L.: *See—*  
Du Shane, Wallace H., and Rugen. 2,710,546.
- Ruger Equipment, Inc.: *See—*  
Cook, Kenneth L., Jarvis, and Davis. 2,700,483.
- Rugg, John S., to E. I. du Pont de Nemours and Co. 2,702,797, Cl. 260—45.8.
- Rugg, Ormund E., to Ford Motor Co. 2,720,729, Cl. 49—65.
- Ruggere, Dennis C.: *See—*  
Dexter, Robert G., Moran, Ruggere, and Rulon-Miller. 2,725,600.
- Ruggeri, Giovanni A., and F. Russo, to Pirelli Societa per Azioni. 2,711,383, Cl. 154—130.
- Ruggles-Klingemann Mfg. Co.: *See—*  
Earley, Roy C. 2,715,499.
- Rugh, Clifford J.: *See—*  
Fordyce, Rufus G., and Rugh. 2,716,076.
- Ruh, Robert P., to The Dow Chemical Co. 2,715,144, Cl. 260—593.
- Ruh, Robert P., R. A. Davis, and K. A. Allswede, to The Dow Chemical Co. 2,705,229, Cl. 260—92.1.
- Ruh, Robert P., and R. A. Davis, to The Dow Chemical Co. 2,705,247, Cl. 260—653.
- Ruh, Robert P., and M. R. Rector, to The Dow Chemical Co. 2,716,109, Cl. 260—92.1.
- Ruhe, Ralph. 2,716,280, Cl. 30—101.
- Ruhf, Harvey C.: *See—*  
Simon, Simon A., and Ruhf. 2,717,193.
- Ruhl, Charles A. L., to The Oliver Corp. 2,707,867, Cl. 60—97.
- Ruhland, Roman C., to Minneapolis-Honeywell Regulator Co. 2,724,631, Cl. 346—49.
- Ruhland, Roman C., to Minneapolis-Honeywell Regulator Co. 2,728,042, Cl. 321—8.
- Ruhmann, Henri. 2,718,194, Cl. 104—247.
- Ruhr, Heinrich R., to United Shoe Machinery Corp. 2,727,261, Cl. 12—142.
- Ruhr, Heinrich R., and W. Eichhorn, and H. Jesse, to United Shoe Machinery Corp. 2,726,412, Cl. 12—88.
- Ruhrchemie Aktiengesellschaft: *See—*  
Büchner, Karl, and Hagemann. 2,701,816.  
Büchner, Karl, and Stader. 2,701,265.  
Rottig, Walter. 2,719,180.  
Schaub, Franz. 2,714,224.  
Schnur, Friedrich. 2,719,032.  
Tramm, Heinrich, Geiser, and Kolling. 2,705,734.  
Tummes, Hans, and Feichtinger. 2,702,820.  
Van der List, Theodor. 2,726,548.
- Ruist, John T., to SKF Industries, Inc. 2,721,776, Cl. 308—217.
- Ruiz, Honorato G. 2,727,960, Cl. 200—122.
- Rule, O. Rey, Jr.: *See—*  
Nead, Philip D. 2,709,313.
- Rulon-Henderson, Inc.: *See—*  
Mendenhall, Elwyn E., and Rulon. 2,714,892.
- Rulon, Joseph K.: *See—*  
Mendenhall, Elwyn E., and Rulon. 2,714,892.
- Rulon-Miller, Robert: *See—*  
Dexter, Robert G., Moran, Ruggere, and Rulon-Miller. 2,725,600.
- Rulon-Miller, Robert, to Dixon Lubricating Saddle Co. 2,714,229, Cl. 19—142.
- Rulon, Richard M.: *See—*  
Butler, Keith H., and Rulon. 2,722,511.
- Rumbaugh, Hugh M. 2,698,626, Cl. 134—93.
- Rumbaugh, Hugh M. 2,710,618, Cl. 134—188.
- Rumbaugh, Hugh M. and V. W. 2,702,595, Cl. 160—90.
- Rumbaugh, Virginia W.: *See—*  
Rumbaugh, Hugh M. and V. W. 2,702,595.
- Rumbold, Charles W., Jr.: *See—*  
Cameron, William E., Rumbold, and Gregory. 2,707,878.
- Rumbold, John S., to United States Rubber Co. 2,726,924, Cl. 18—48.
- Rumianca S. p. A.: *See—*  
Paoloni, Carlo. 2,708,156.
- Rummel, Roman. 2,709,153, Cl. 202—12.
- Rummelsburg, Alfred L., to Hercules Powder Co. 2,720,513, Cl. 260—97.
- Rummelsburg, Alfred L., to Hercules Powder Co. 2,720,514, Cl. 260—97.
- Rumpf, Hans: *See—*  
Beushausen, Walter, and Rumpf. 2,712,416.
- Rumsey, Herbert, Jr., to Glaz-Wrap Packaging Co. 2,725,699, Cl. 53—120.
- Rumzis, John J.: *See—*  
Charles, William G. 2,710,926.
- Runcie, Walter O. 2,713,173, Cl. 4—57.
- Rundblad, George J., and E. Cairelli, to Wilson-Jones Co. 2,717,099, Cl. 221—293.
- Rundblad, George J., and E. Cairelli, to Wilson-Jones Co. 2,726,659, Cl. 129—8.
- Runde, Byron A.: *See—*  
Butler, Thomas M., and Runde. 2,721,695.
- Rundt, John W., to The Timken Roller Bearing Co. 2,701,637, Cl. 209—72.
- Runge, Frank E.: *See—*  
Quackenbush, Edward C., and Runge. 2,728,895.
- Runion, Harleston E. 2,710,574, Cl. 98—115.
- Runnymede Mills, Inc.: *See—*  
Howard, Robert. 2,714,299.
- Runton, Leslie A., and E. H. Shattuck, to Alexander Smith, Inc. 2,725,090, Cl. 154—175.
- Runyon, La Claire M. 2,728,165, Cl. 45—68.3.
- Ruozi, Aldo: *See—*  
Barnes, John H. 2,704,919.
- Rupert, Richard. 2,716,909, Cl. 76—107.
- Rupert, Richard. 2,723,595, Cl. 88—78.
- Rupp, Earl V., and H. N. Shaw, to The Bastian-Blessing Co. 2,720,214, Cl. 137—315.
- Rupp, Eldor G., and W. H. Proescholdt, to The Quaker Oats Co. 2,698,799, Cl. 99—82.
- Rupp, Friedrich, to Maschinenfabrik Augsburg-Nürnberg A. G. 2,722,176, Cl. 101—358.
- Rupp, John L., to Gould-National Batteries, Inc. 2,710,220, Cl. 294—92.
- Rupp, Virgil R. 2,721,099, Cl. 299—24.
- Rupp, Walter: *See—*  
Ebel, Friedrich, and Rupp. 2,715,131.



- Rupp, Walter H., to Standard Oil Development Co. 2,701,184, Cl. 23—270.5.
- Rupp, Walter H., C. H. Holder, and R. B. Long, to Esso Research and Engineering Co. 2,710,790, Cl. 23—270.5.
- Ruppel, Frederick H. 2,703,003, Cl. 72—16.
- Ruppert, Ladis W., to Western Electric Co., Inc. 2,706,525, Cl. 164—106.
- Ruppert, Max K., to Poor & Co. 2,717,740, Cl. 238—327.
- Ruppert, Max K., to Poor & Co. 2,719,008, Cl. 238—327.
- Rusca, Ralph A.: *See—*  
Young, Ray C., and Busca. 2,712,162.
- Rusch, William H., to Worldbest Industries, Inc. 2,723,420, Cl. 16—145.
- Ruschig, Heinrich: *See—*  
Ehrhart, Gustav, Ruschig, and Leditschke. 2,704,767.  
Ehrhart, Gustav, Ruschig, Stein, and Aumüller. 2,700,039.  
Ehrhart, Gustav, Ruschig, Stein, Aumüller, Oepfinger, and Schörnig. 2,699,439.
- Ruschman, Gordon A.: *See—*  
Farrell, Walter O., Schnitzius, and Ruschman. 2,725,848.
- Rush, Elton E., to Phillips Petroleum Co. 2,707,484, Cl. 137—460.
- Rush, Jeffie L. 2,708,999, Cl. 198—177.
- Rush, Thomas C. 2,705,572, Cl. 214—672.
- Rushfeldt, Ferdie M., deceased, by V. D. Rushfeldt, administratrix,  $\frac{1}{4}$  to H. J. Johnson,  $\frac{1}{4}$  to M. A. Rocheleau, and  $\frac{1}{4}$  to R. M. Granger. 2,698,506, Cl. 55—9.
- Rushfeldt, Vivian D.: *See—*  
Rushfeldt, Ferdie M. 2,698,506.
- Rushworth, David. 2,725,431, Cl. 191—12.
- Ruska Instrument Corp.: *See—*  
Ruska, Walter. 2,728,397.
- Ruska, Walter, to Ruska Instrument Corp. 2,728,397, Cl. 166—64.
- Ruskay, Burrill. 2,724,523, Cl. 220—20.5.
- Ruskin, Henry, to Speed Products Co., Inc. 2,702,384, Cl. 1—3.
- Ruskin, Henry, to Speed Products Co., Inc. 2,717,382, Cl. 1—3.
- Ruskin, Simon L., to Physiological Chemicals Co. 2,710,860, Cl. 260—211.5.
- Ruskin, Simon L. 2,712,541, Cl. 260—211.5.
- Rusler, George W., Jr., to Minneapolis-Honeywell Regulator Co. 2,724,795, Cl. 318—29.
- Rusler, George W., to Minneapolis-Honeywell Regulator Co. 2,727,999, Cl. 307—43.
- Rusnok, Edward R. 2,712,273, Cl. 90—14.
- Ruspino, James G., to General Electric Co. 2,715,410, Cl. 134—182.
- Russ, Daniel G.: *See—*  
Atkinson, Allen S. 2,711,073.
- Russell, Alexander, to The Forgrove Machinery Co. Ltd. 2,701,633, Cl. 198—35.
- Russell, Alexander, and A. Hopton, to The Forgrove Machinery Co. Ltd. 2,721,077, Cl. 271—2.6.
- Russell, Alva G., to Pitney-Bowes, Inc. 2,727,460, Cl. 101—91.
- Russell, Alva G., and W. J. Hanson, to Pitney-Bowes, Inc. 2,707,913, Cl. 101—91.
- Russell, Andrew C. 2,715,020, Cl. 261—50.
- Russell, Arthur O.: *See—*  
Reichel, Frank H., and Russell. 2,698,967.
- Russell, Arthur O., to American Viscose Corp. 2,704,860, Cl. 18—15.
- Russell, Arthur O., to American Viscose Corp. 2,718,661, Cl. 18—15.
- Russell, Arthur S.: *See—*  
Wellons, Richard S., and Russell. 2,726,707.
- Russell, Burdsall & Ward Bolt and Nut Co.: *See—*  
Cigliano, William B. 2,711,832.
- Russell, Carl D. 2,699,152, Cl. 121—123.
- Russell, Carl D. 2,699,153, Cl. 121—152.
- Russell, Carl D. 2,727,467, Cl. 103—48.
- Russell, Carl M., and K. R. Symon. 2,706,251, Cl. 250—36.
- Russell, Charles E., and C. R. Nickols. 2,699,207, Cl. 161—7.
- Russell, Charles E., and C. R. Nickols. 2,704,554, Cl. 137—625.29.
- Russell, Charles L., and G. H. Steinmeyer, to Read Standard Corp. 2,706,034, Cl. 198—204.
- Russell & Co. (Furniture) Ltd.: *See—*  
Turnell, Thomas J. 2,720,252.
- Russell, Edward J., to Trojan Powder Co. 2,714,067, Cl. 99—8.
- Russell, Edwin A.: *See—*  
Pettengill, Gilbert S. 2,709,272.
- Russell, Emily L.: *See—*  
Russell, George L. 2,723,875.
- Russell, F. C., Co., The: *See—*  
Ensminger, Arthur A. Re. 24,077.  
Russell, Frank C. 2,704,573.  
Russell, Frank C., and Horejs. 2,720,010.
- Russell, Frank C., to the F. C. Russell Co. 2,704,573, Cl. 160—90.
- Russell, Frank C., and E. R. Horejs, to The F. C. Russell Co. 2,720,010, Cl. 20—57.5.
- Russell, Frank J.: *See—*  
Charbonneau, Allan P., and Russell. 2,720,693.
- Russell, Fred J. 2,709,911, Cl. 70—147.
- Russell, Fred J. 2,724,980, Cl. 74—471.
- Russell, George F.: *See—*  
Mann, Julius W., and Russell. 2,705,993.
- Russell, George L., deceased; E. L. Russell, executrix. 2,723,875, Cl. 294—65.5.
- Russell, Herbert H., to The Greist Mfg. Co. 2,711,705, Cl. 112—160.
- Russell, Howard G., to Sinclair Refining Co. 2,719,115, Cl. 202—8.
- Russell, Irving H., J. J. Swartz, and A. D. Atherton, to Sloan Valve Co. 2,710,621, Cl. 137—218.
- Russell, John A., J. R. Bouillé, W. M. Sutherland, and C. A. Hamlin, to Joy Mfg. Co. 2,721,067, Cl. 262—29.
- Russell, John J., W. A. Beck, and J. Kollman, to Ekco Products Co. 2,724,526, Cl. 220—64.
- Russell, John K., to Luber-Finer Inc. 2,713,423, Cl. 210—148.
- Russell, John K., and W. W. Boggs, to Luber-Finer Inc. 2,709,524, Cl. 210—131.
- Russell, John K., D. Craig, G. J. Byrd, and R. L. Maeder, to Lignosol Chemicals Ltd. 2,727,028, Cl. 260—124.
- Russell, John L.: *See—*  
Vine, Allyn C., Redfield, Jacobson, and Russell. 2,704,936.
- Russell, Julia L. 2,711,287, Cl. 230—259.
- Russell-Lacey Mfg. Co.: *See—*  
Lacey, Edward D. 2,705,465.
- Russell, Linus E., to Peters & Russell, Inc. 2,722,137, Cl. 74—543.
- Russell, Linus E., to Peters & Russell, Inc. 2,723,794, Cl. 229—5.7.
- Russell, Linus E., to Peters & Russell, Inc. 2,726,673, Cl. 137—332.
- Russell, Mark N., and P. W. Herzog, to Pass & Seymour, Inc. 2,701,288, Cl. 200—172.
- Russell, Matthew J. B., to Bendix Aviation Corp. 2,699,066, Cl. 73—182.
- Russell, Nelson B.: *See—*  
Bond, Donald C., and Russell. 2,724,267.
- Russell, Robert B.: *See—*  
Rahaim, Peter A. 2,702,926.
- Russell, Robert C., to Eaton Mfg. Co. 2,706,973, Cl. 123—90.
- Russell, Robert C., to Eaton Mfg. Co. 2,710,076, Cl. 188—78.
- Russell, Robert C., to Eaton Mfg. Co. 2,715,217, Cl. 340—52.
- Russell, Robert G., to Owens-Corning Fiberglass Corp. Re. 24,060, Cl. 49—17.
- Russell, Robert G., to Davy and United Engineering Co. Ltd. 2,723,086, Cl. 242—72.
- Russell, Robert J., to Hardinge Co., Inc. 2,711,557, Cl. 18—1.
- Russell, Samuel I., Jr., to Northern Electric Co. 2,708,223, Cl. 219—38.
- Russell, Stanley D., to J. I. Case Co. 2,700,865, Cl. 56—364.
- Russell, Stanley D., to J. I. Case Co. 2,703,957, Cl. 56—364.
- Russell, Stanley D., to J. I. Case Co. 2,722,132, Cl. 74—242.13.
- Russell & Stoll Co., Inc.: *See—*  
Horn, Emil A. 2,701,348.
- Russell, Thyra A. 2,724,913, Cl. 36—11.5.
- Russell, Walter L. 2,713,931, Cl. 194—4.
- Russell, William J.: *See—*  
Garner, Russell F., and Russell. 2,715,664.  
Weber, Victor, and Russell. 2,718,574.
- Russell, William J., to Robertshaw-Fulton Controls Co. 2,726,716, Cl. 158—130.
- Russell, William M., to Morphy Richards Ltd. 2,701,293, Cl. 219—25.
- Russell, William M., to General Mills, Inc. 2,716,173, Cl. 200—138.
- Russell, William M., to Morphy-Richards Ltd. 2,727,131, Cl. 219—25.
- Russell, William S., Jr., to Celanese Corp. of America. 2,699,866, Cl. 206—65.
- Russell, William S., to Parker Rust Proof Co. 2,724,668, Cl. 148—6.15.
- Russo, Dominick, and H. H. Cooke, to Esso Research and Engineering Co. 2,716,610, Cl. 106—3.
- Russo, Francesco: *See—*  
Ruggeri, Giovanni A., and Russo. 2,711,383.
- Russo, Giovanni. 2,705,538, Cl. 170—160.25.
- Russum, Leonard W., R. L. Hatch, and G. H. Weisemann, to Standard Oil Co. 2,728,753, Cl. 260—94.9.
- Russum, Leonard W., and R. J. Hengstebeck, to Standard Oil Co. 2,728,798, Cl. 260—638.
- Rust, Frederick F.: *See—*  
Stiles, Alan R., Harman, and Rust. 2,724,718.
- Rust, Frederick F., and E. R. Bell, to Shell Development Co. 2,717,264, Cl. 260—488.
- Rust, John B.: *See—*  
Pannone, Laura J., and Rust. 2,713,581.
- Rust, John B., and W. B. Canfield,  $\frac{1}{2}$  to Montclair Research Corp. and  $\frac{1}{2}$  to Ellis-Foster Co. 2,708,662, Cl. 260—15.
- Rust, John B., and L. Spialter,  $\frac{1}{2}$  to Montclair Research Corp. and  $\frac{1}{2}$  to Ellis-Foster Co. 2,709,174, Cl. 260—429.
- Rust, John D., deceased; T. F. Rust and J. C. Reeves, co-executors. 2,717,481, Cl. 56—28.
- Rust, Mack D. 2,699,638, Cl. 56—50.
- Rust-Oppenheim, August: *See—*  
Harwood, Wallace W. 2,703,743.
- Rust, Thelma F.: *See—*  
Rust, John D. 2,717,481.
- Ruston & Hornsby Ltd.: *See—*  
Thorn, James D., and Jackman. 2,715,816.  
Wigg, Raymond E. 2,712,729.
- Ruston, John, to Allen B. Du Mont Laboratories, Inc. 2,724,089, Cl. 332—19.
- Ruterbories, Darrell J. 2,711,865, Cl. 242—84.3.
- Rutgerswerke-Aktiengesellschaft: *See—*  
Geller, Julius. 2,702,269.  
Geller, Julius, and Ratte. 2,717,232.  
Wessel, Bernhard. 2,728,474.



- Ruth, Bernard W.: *See*—  
Vose, Fred C., and Ruth. 2,709,058.
- Ruth, John A., to Olin Mathieson Chemical Corp. 2,717,903, Cl. 260—467.
- Rutherford, Albert D., Jr., to Western Electric Co., Inc. 2,726,631, Cl. 118—313.
- Rutherford, Ellwyn A.: *See*—  
Sawyer, Max, and Rutherford. 2,718,406.
- Rutherford, John T., to California Research Corp. 2,723,995, Cl. 260—524.
- Rutherford, Richard: *See*—  
Gary, Vern, and Rutherford. 2,728,600.
- Rutishauser, Paul O., to Regina Sewing Machine Corp. 2,706,458, Cl. 112—218.
- Rutkowski, Walter: *See*—  
Petrasek, Edward J., W. A., and R., and Rutkowski. 2,703,947.
- Rutkowski, Walter L. 2,715,870, Cl. 99—421.
- Rutledge, George E., to Munsingwear, Inc. 2,717,388, Cl. 2—41.
- Rutledge, Johnie L. 2,721,912, Cl. 200—61.47.
- Rutledge, Melvin C., to Hunter Douglas Corp. 2,698,727, Cl. 248—264.
- Rutledge, Melvin C., to Hunter Douglas Corp. 2,721,609, Cl. 160—177.
- Rutledge, Thomas F.: *See*—  
Lyon, Ashton M., and Rutledge. 2,724,008.
- Rutschmann, Jürg: *See*—  
Stoll, Arthur, and Rutschmann. 2,706,196.
- Rutt, Edward A., Sr. 2,701,981, Cl. 88—27.
- Rutter, Alvah E., to J. I. Case Co. 2,712,277, Cl. 97—46.31.
- Rutter, David L.: *See*—  
Stouder, Roy, Carbiener, and Rutter. 2,701,631.
- Rutter, Donald E.: *See*—  
Dixon, Paul H., and Rutter. 2,720,820.
- Rüttger-Pelli, Maria. 2,699,771, Cl. 128—24.1.
- Ruttkay, Paul, to Western Electric Co., Inc. 2,711,818, Cl. 203—115.
- Rutzke, Ernest R. 2,717,430, Cl. 20—12.
- Rux, John S. 2,701,583, Cl. 138—26.
- Ruyle, William V.: *See*—  
Hirschmann, Ralph F., Wendler, and Ruyle. 2,716,125.
- Ryall, Leonard E., to Telephone Mfg. Co. Ltd. 2,702,319, Cl. 179—170.2.
- Ryals, John T. 2,713,363, Cl. 143—43.
- Ryan Aeronautical Co., The: *See*—  
Cockrell, William S., and Feyer. 2,717,948.
- Foushee, Clarence L., Jr. 2,706,649.
- Ryan, Carroll T., to D & P Engineering Co. 2,706,571, Cl. 215—12.
- Ryan, Claude C.: *See*—  
Rinehart, Wendall C., and Ryan. 2,701,355.
- Ryan, Daniel W.: *See*—  
Longstreth, Murrey O., and Ryan. 2,718,658.
- Ryan, Edgil, to Continental Can Co., Inc. 2,723,936, Cl. 154—106.
- Ryan, George E., and L. B. Wilkinson, to New-View Window Co. 2,721,361, Cl. 20—52.
- Ryan, George R.: *See*—  
Windischman, Edward F., Hartop, and Ryan. 2,716,983.
- Ryan, George R., to Abbott Laboratories. 2,704,544, Cl. 128—214.
- Ryan, George R., to Abbott Laboratories. 2,707,953, Cl. 128—214.
- Ryan, George R., to Abbott Laboratories. 2,716,982, Cl. 128—214.
- Ryan, James H., and D. P. Smith, to the United States of America as represented by the Secretary of the Army. 2,720,819, Cl. 89—43.
- Ryan, Joseph R.: *See*—  
Crewson, George G., and Ryan. 2,724,640.
- Ryan, Kelly Equipment Co.: *See*—  
Ryan, Kelly P. 2,712,723.
- Ryan, Kelly P., to Kelly Ryan Equipment Co. 2,712,723, Cl. 56—400.
- Ryan, Martin A., to Phillips Petroleum Co. 2,707,378, Cl. 62—1.
- Ryant, Charles J., Jr., to Standard Oil Co. 2,726,882, Cl. 286—8.
- Rybeck, Torsten A.: *See*—  
Lynch, Henry L., and Rybeck. 2,722,028.
- Rychlik, Robert F. 2,715,726, Cl. 343—11.
- Ryde, Thomas T., to Robertshaw-Fulton Controls Co. 2,703,231, Cl. 267—1.
- Ryden, Carl E. 2,717,546, Cl. 97—63.
- Ryden, Laurence L.: *See*—  
Treat, Lyle G., and Ryden. 2,727,012.
- Ryder, Frank A.: *See*—  
Collins, Arthur R., Ryder, and Randall. 2,699,292.
- Collins, Arthur R., Ryder, and Randall. 2,707,217.
- Ryder, Frank A., to Stewart-Warner Corp. 2,711,683, Cl. 98—48.
- Ryder, Herman. 2,720,205, Cl. 131—194.
- Ryder, James C.: *See*—  
Gibney, William J., and Ryder. 2,701,715.
- Ryerson, Clifford M. 2,727,206, Cl. 324—43.
- Rygård, Sune O. 2,698,524, Cl. 62—129.
- Ryker, Truman C., and D. E. Wolf, to E. I. du Pont de Nemours & Co. 2,709,648, Cl. 71—2.6.
- Rykken, Joy P. 2,727,468, Cl. 103—87.
- Rylander, Uno B., to Svenska Skofabrikantforeningen. 2,711,106, Cl. 76—107.
- Rylander, Uno B., to Svenska Skofabrikantforeningen. 2,717,021, Cl. 153—48.
- Rylsky, Gregory V. 2,723,349, Cl. 250—44.
- Ryman Engineering Co.: *See*—  
Roberts, William D. 2,712,204.
- Rymland, Murray J. 2,715,435, Cl. 155—179.
- Ryndzonak, Frank. 2,703,975, Cl. 70—38.
- Ryno, Earle R., and W. M. McKillop, Jr., to M. H. Hoover. 2,700,518, Cl. 244—138.
- Rypinski, Albert B., to Murray Mfg. Corp. 2,709,730, Cl. 200—106.
- Rysdon, Max L., to The Sioux Steel Co. 2,704,501, Cl. 98—55.
- Ryznar, John W., to National Aluminate Corp. 2,701,239, Cl. 252—321.
- Rzepa, Bruno. 2,714,867, Cl. 116—47.
- S. A. Macchine Industria Dolciaria Carle & Montanari: *See*—  
Cavalieri, Emilio. 2,701,071.
- Cavalieri, Emilio. 2,701,106.
- S. A. G. A. Società Applicazioni Gomma Antivibranti: *See*—  
Franceschetti, Alessandro. 2,702,703.
- S. A. M. I. C. E. N. Società Azionaria Mantovana Imprese Costruzioni e Navigazione: *See*—  
Del Carlo, Angiolino. 2,709,775.
- S & C Electric Co.: *See*—  
Lindell, Sigurd I. 2,710,897.
- S. & D. Development Co.: *See*—  
Shanhouse, William M., and Daher. 2,723,069.
- S. K. Transformer Co.: *See*—  
Szekely, George J. 2,715,094.
- SKF Industries, Inc.: *See*—  
Hjarpe, Eric G. 2,718,100.
- Palmgren, Nils A. 2,705,176.
- Palmgren, Nils A., and Synek. 2,703,738.
- Ruist, John T. 2,721,776.
- Synek, Viktor. 2,712,480.
- SKF Kugellagerfabriken Gellschaft mit beschraenkter Haftung: *See*—  
Raible, Julius. 2,706,668.
- S. O. M. I. M. Societe de Montage pour l'Industrie Mecanique: *See*—  
Fumat, Joseph. 2,722,239.
- S & S Corrugated Paper Machinery Co., Inc.: *See*—  
Shields, Albert F. 2,711,206.
- S. & S. Industries, Inc.: *See*—  
Schwartz, Marcus. 2,705,800.
- S. U. Carburetter Co. Ltd., The: *See*—  
Isreeli, Jack, and Morris. 2,720,344.
- Morris, John N., and Dawson. 2,719,035.
- S & W Fine Foods, Inc.: *See*—  
Carroll, Ellsworth W. 2,706,030.
- Metcalf, Herbert E. 2,720,962.
- Vaile, Robert B., Jr., Jespersen, and Edgemond. 2,724,487.
- S. & W. Sewing Machine Attachment Co.: *See*—  
Seaman, Edward L. 2,725,837.
- Saalfank, Royal B., to Milton Roy Co. 2,707,485, Cl. 137—512.
- Saalfank, Royal B., to Milton Roy Co. 2,727,533, Cl. 137—533.11.
- Saar, Robert P., to Henry Pratt Co. 2,705,016, Cl. 137—1.
- Saar, Robert P., to Henry Pratt Co. 2,707,614, Cl. 251—173.
- Saari, Frank E., and G. V. W. Roth, to Monarch Equipment Co. 2,725,247, Cl. 291—11.
- Saari, Oliver E., to Illinois Tool Works. 2,726,455, Cl. 33—179.5.
- Sabaroff, Albert R.: *See*—  
Mulvanity, Ralph T., Freed, and Sabaroff. 2,707,528.
- Sabatini, John J., to Bendix Aviation Corp. 2,706,414, Cl. 74—7.
- Sabatini, John J., to Bendix Aviation Corp. 2,710,542, Cl. 74—7.
- Sabatino, Leo C. 2,702,197, Cl. 280—298.
- Sabee, Reinhardt N.: *See*—  
Harwood, Kenneth J., Hogue, Le Dain, and Sabee. 2,719,337.
- Harwood, Kenneth J., Hogue, Le Dain, and Sabee. 2,726,423.
- Sabee, Reinhardt N., and W. L. Wogsland; said Wogsland assor. to said Sabee. 2,715,934, Cl. 154—42.
- Sabiers, Charles. 2,718,635, Cl. 340—366.
- Sabiers, Charles. 2,720,695, Cl. 30—31.
- Sabin, Edward A.: *See*—  
Fryklund, Robert A., and Sabin. 2,723,462.
- Sablesak, William E.: *See*—  
Day, Walter T. J., Sablesak, and Levine. 2,728,865.
- Sabo, Mary C. 2,711,735, Cl. 128—284.
- Sabol, Albert R.: *See*—  
Karll, Robert E., and Sabol. 2,726,208.
- Sacchini, Columbus R.: *See*—  
Vaughan, Guy W., Jr., and Sacchini. 2,712,674.
- Sacchini, Columbus R., to The Marquette Metal Products Co. 2,720,790, Cl. 74—52.
- Saccone, John V., to Jacoby-Bender, Inc. 2,713,766, Cl. 59—79.
- Sacha, Louis A., Jr.: *See*—  
Squire, Harris A., and Sacha. 2,711,215.
- Sachara, Eugene F., to The B. F. Goodrich Co. 2,720,076, Cl. 57—140.
- Sachs, Albert P.: *See*—  
Aires, Robert S., and Sachs. 2,708,196.
- Sachs, Carl W.: *See*—  
Rohrer, John D., and Sachs. 2,718,936.



- Sachs, Rudolph, to Columbia Broadcasting System, Inc., d. b. a. Hytron Radio & Electronics Co. 2,726,357, Cl. 317—234.
- Sachse, Alfred J.: *See*—  
Clark, Dixon W., Sachse, and Steele. 2,714,249.
- Sachsse, Hans, T. Kosbahn, and E. Lehrer, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,715,648, Cl. 260—679.
- Sachtleber, Rudolph H. 2,711,024, Cl. 33—77.
- Sackett, Homer S., and E. G. Stack. 2,700,193, Cl. 20—30.
- Sackett, James W., to Thompson Products, Inc. 2,700,936, Cl. 103—117.
- Sackett, Walter J. 2,727,669, Cl. 226—61.
- Sackner Products, Inc.: *See*—  
Boersma, Barney. 2,724,431.  
Francis, John K. 2,722,861.  
Hormuth, Frank J., and Cook. 2,717,636.
- Sacks, David. 2,715,737, Cl. 5—82.
- Sackter, Melvin: *See*—  
Barany, Edmund, Bauman, and Sackter. 2,728,577.
- Saco-Lowell Shops: *See*—  
Gwaltney, Eugene C., Shaw, and MacLean. 2,712,675.
- Saco Uniforms: *See*—  
Weinberg, William F. 2,705,805.
- Sadler, Harry J., and E. E. Cook. Re. 24,063, Cl. 103—117.
- Sadlon, Stephen, to John Oster Mfg. Co. 2,707,949, Cl. 128—36.
- Sadolin and Holmblad A/S: *See*—  
Clauson-Kaas, Niels K. F. W., and Limborg. 2,714,576.
- Saegert, Marie S.: *See*—  
Scavullo, Angelo C. 2,714,296.
- Saelen, Erling. 2,725,093, Cl. 155—36.5.
- Saeman, Walter C., to Olin Mathieson Chemical Corp. 2,728,690, Cl. 117—113.
- Saetter-Lassen, Erik. 2,714,332, Cl. 89—14.
- Safe Padlock and Hardware Co., The: *See*—  
Hagstrom, Gotthard. 2,727,773.
- Safety Box Toe Co.: *See*—  
Greenan, Wirt G. 2,706,351.
- Safford, Donald E., to Sinclair Refining Co. 2,699,060, Cl. 73—15.4.
- Safford, Lewis A., to The New York Air Brake Co. 2,720,887, Cl. 137—116.5.
- Safford, Moyer M., and A. M. Bueche, to General Electric Co. 2,710,290, Cl. 260—41.
- Safranski, Henry P., to The Powers Regulator Co. 2,709,382, Cl. 81—15.
- Saftig, Ernest C.: *See*—  
Lostutter, Roy B., Jr. 2,721,722.
- Saftlas, Celia. 2,724,118, Cl. 2—70.
- Safway Steel Products, Inc.: *See*—  
Smith, David G. 2,698,552.
- Sage, Bruce H., to Texaco Development Corp. 2,713,894, Cl. 158—99.
- Sagenkahn, Malcolm L.: *See*—  
Deming, Philip H., and Sagenkahn. 2,722,113.
- Sager, Ben W.: *See*—  
McAlister, Terry F. 2,722,593.
- Sahlin, Richard A.: *See*—  
Clay, Franklin B., and Sahlin. 2,709,129.
- Sahyun, Melville: *See*—  
Jules, Leonard H., Faust, and Sahyun. 2,716,648.
- Saino, F. H., Mfg. Co.: *See*—  
Dusing, Leon F., and Saino. 2,717,062.
- Saino, Felix H.: *See*—  
Dusing, Leon F., and Saino. 2,717,062.
- Sainsbury, Leonard R., F. J. Farren, and A. S. Grant, to Grant Photo Products, Inc. 2,706,157, Cl. 95—88.
- St. Amant, Horace, to Olin Mathieson Chemical Corp. 2,712,705, Cl. 42—50.
- St. André, Edward F., to Norton Co. 2,708,433, Cl. 125—111.
- St. Clair, Harold V. 2,718,910, Cl. 144—208.
- St. Clair, John Q. 2,705,194, Cl. 51—293.
- St. Clair, Truman: *See*—  
Bowes, Arthur S., St. Clair, and Amberg. 2,728,209.
- St. Germain, Agenor E. 2,704,849, Cl. 12—1.
- St. Germain, Wilfrid H.: *See*—  
Teller, W. Kedzie, and St. Germain. 2,701,163.
- St. Jean, Lloyd E., to Raytheon Mfg. Co. 2,726,384, Cl. 343—14.
- St. Joe Machines, Inc.: *See*—  
Campbell, Gregory J. 2,724,044.
- St. Joe Paper Co.: *See*—  
Tharpe, William L., and Wilson. 2,719,665.
- St. John, Elton L. 2,708,163, Cl. 99—7.
- St. John, John M., and W. W. Wittenberger, to The Peterson Oven Co. 2,704,614, Cl. 214—308.
- St. Louis Metalcrafts, Inc.: *See*—  
Dingeldein, Otto F. 2,711,089.
- St. Louis Playground Equipment Corp.: *See*—  
St. Louis, Rudolph A. 2,701,604.
- St. Louis, Rudolph A., to St. Louis Playground Equipment Corp. 2,701,604, Cl. 155—58.
- St. Pierre, Eugene: *See*—  
Bouthillette, Antonio, and St. Pierre. 2,709,351.
- St. Pierre, Eugene, and J. Wawzonek, to Hemphill Co. 2,719,417, Cl. 66—48.
- St. Pierre, Eugene, and J. Wawzonek, to Hemphill Co. 2,719,420, Cl. 66—138.
- St. Pierre, Henry. 2,700,405, Cl. 152—242.
- St. Pierre, Henry. 2,707,411, Cl. 81—15.8.
- St. Pierre, Henry. 2,721,598, Cl. 152—239.
- St. Regis Paper Co.: *See*—  
Gramegna, Franco. 2,712,275.
- Saito, Sachio: *See*—  
Herson, Jacob L., Gilford, and Saito. 2,702,353.
- Saives, Léon, to Regie Nationale des Usines Renault. 2,724,083, Cl. 318—546.
- Saives, Léon, to Regie Nationale des Usines Renault. 2,727,288, Cl. 22—65.
- Saives, Léon, to Regie Nationale des Usines Renault. 2,727,602, Cl. 192—4.
- Saks, Robert, J. J. Hrabe, and R. E. Hodges. 2,726,419, Cl. 16—16.
- Salathiel, Richard A., to Esso Research and Engineering Co. 2,711,219, Cl. 166—31.
- Salathiel, Richard A., to Esso Research and Engineering Co. 2,718,498, Cl. 252—8.5.
- Salati, Octavio M., to the United States of America as represented by the Secretary of the Army. 2,706,257, Cl. 307—130.
- Salati, Octavio M., to the United States of America as represented by the Secretary of the Army. 2,712,101, Cl. 317—137.
- Salati, Octavio M., to the United States of America as represented by the Secretary of the Army. 2,716,206, Cl. 317—137.
- Salatin, James F.: *See*—  
Burge, James S., McKee, Conrad, Rider, and Salatin. 2,723,691.
- Sale, William H.,  $\frac{1}{2}$  to E. P. Kelly. 2,704,217, Cl. 286—6.
- Sale, William H.,  $\frac{1}{8}$  to L. W. Chandler and  $\frac{3}{8}$  to P. Willis. 2,724,464, Cl. 188—196.
- Salem Tool Co., The: *See*—  
McCarthy, Vincent J., and Weikart. 2,720,391.
- Salerno, Arthur J.: *See*—  
Annett, Charles E. 2,705,886.
- Salescaster, Inc.: *See*—  
Westfall, William R. 2,727,554.
- Salfelder, Everett L. 2,711,022, Cl. 33—18.
- Saliba, Edward M. 2,708,995, Cl. 193—36.
- Saliba, George J.: *See*—  
Gruber, Morris M., and Saliba. 2,714,010.
- Salisbury, Frederick L.: *See*—  
Ginzton, Edward L., and Salisbury. 2,703,365.
- Salivar, Charles J.: *See*—  
Maxwell, Charles E., and Salivar. 2,715,625.
- Salivar, Charles J., and E. V. Brown, to Chas. Pfizer & Co., Inc. 2,719,149, Cl. 260—239.1.
- Salkin, Max, to California Packing Corp. 2,719,993, Cl. 15—3.17.
- Sallach, Max E. 2,710,958, Cl. 340—354.
- Salm, Leslie B., to South Bend Bait Co. 2,719,378, Cl. 43—42.5.
- Salminen, Ilmari F.: *See*—  
Thirtle, John R., Salminen, and Weissberger. 2,728,661.
- Salminen, Ilmari F., to Eastman Kodak Co. 2,706,685, Cl. 95—6.
- Salminen, Ilmari F., and A. Weissberger, to Eastman Kodak Co. 2,710,803, Cl. 95—6.
- Salminen, Ilmari F., and A. Weissberger, to Eastman Kodak Co. 2,728,660, Cl. 95—6.
- Salmon, Nicholas T.: *See*—  
Katz, Samuel W., and Salmon. 2,716,990.
- Salmon, Percy G.: *See*—  
Carmichael, Hugh, and Salmon. Re. 23,997.
- Salmons, Jerome C., to Goodman Mfg. Co. 2,719,709, Cl. 262—9.
- Salner, Artur,  $\frac{1}{2}$  to Presna Mechanika, narodny podnik. 2,723,456, Cl. 33—77.
- Salners, Edward A., H. A. Setser, and J. G. Zahradka, to Motorola, Inc. 2,720,876, Cl. 126—110.
- Salomé, Clotaire: *See*—  
Salomé, Victor and C. 2,723,582.
- Salomé, Victor and C. 2,723,582, Cl. 82—21.
- Salomone, Rynold A., and R. H. Florian, to General Electric Co. 2,705,344, Cl. 18—36.
- Saloum, Edward E., to Aero Supply Mfg. Co., Inc. 2,708,521, Cl. 210—183.
- Salsas-Serra, Francisco, and A. Planagumà. 2,700,576, Cl. 299—63.
- Salsberg, Oscar B. 2,711,199, Cl. 144—104.
- Salsbury, Jason M.: *See*—  
Cummings, Percival W., Jr., Salsbury, and Obuchowski. 2,721,650.
- Salsbury's, Dr., Laboratories: *See*—  
Kerr, Kathel B., and Walde. 2,702,775.  
Kerr, Kathel B., and Walde. 2,702,776.  
Kerr, Kathel B., and Walde. 2,702,777.  
Kerr, Kathel B., and Walde. 2,702,778.
- Salt, Francis E.: *See*—  
Hawkins, Edwin G. E., Quin, and Salt. 2,715,646.
- Salter, Henry L.: *See*—  
Hose, Alfred G., Wennes, and Salter. 2,718,791.
- Saltzberg, Bernard: *See*—  
Kuzniar, Alfred P., and Saltzberg. 2,717,947.
- Salvadore, Joseph A., and A. L. Clough. 2,721,604, Cl. 155—95.
- Salvin, Victor S., to Celanese Corp. of America. 2,713,060, Cl. 260—380.
- Salvini, Giorgio: *See*—  
Reynolds, George T., Salvini, and Harrison. 2,698,906.
- Salvo, Anthony. 2,715,869, Cl. 99—404.
- Salzberg, Paul L.: *See*—  
Lazier, Wilbur A., Peppel, and Salzberg. 2,725,335.
- Salzer, Erwin, to Allis-Chalmers Mfg. Co. 2,714,645, Cl. 200—150.
- Salzer, Rudolph A. 2,702,392, Cl. 5—230.



- Salzer, Rudolph A. 2,704,569, Cl. 155—187.  
 Salzmann, Fritz: *See*—  
     Keller, Curt, and Salzmann. 2,708,883.  
 Salzmann, Harry E., to Jifi Industries, Inc. 2,710,475, Cl. 40—125.  
 Samanie, Robert J. 2,712,152, Cl. 17—2.  
 Samanie, Robert J. 2,712,152½, Cl. 17—45.  
 Sambrailo, Charles P. 2,700,877, Cl. 62—1.  
 Samco Holding Corp.: *See*—  
     Cohn, Samuel, Walter, and Cohn. 2,700,543.  
 Samfield, Max M., B. A. Brock, and E. E. Locklair. 2,708,175, Cl. 131—17.  
 Samhammer, Donald F.: *See*—  
     Lear, Earl B., and Samhammer. 2,709,059.  
     Lear, Earl B., and Samhammer. 2,726,066.  
 Samhammer, Donald F., to Chicago Pneumatic Tool Co. 2,727,725, Cl. 255—51.  
 Samica Corp.: *See*—  
     Bouchet, Antoine J. G. 2,709,158.  
 Samiran, David. 2,704,117, Cl. 158—36.4.  
 Samler, Lee F., to The National Plastic Products Co. 2,718,471, Cl. 106—181.  
 Sammons, Herbert F.: *See*—  
     Stevens, Milton J. 2,699,622.  
 Samolis, Alphonse A.: *See*—  
     Binks, Melvin J., and Samolis. 2,715,840.  
 Sampatacos, Peter M., and S. W. Klonoski, to The Torrington Mfg. Co. 2,699,238, Cl. 192—45.  
 Sampatacos, Peter M., and E. E. Franks, Jr., to The Torrington Mfg. Co. 2,712,835, Cl. 140—71.  
 Sampietro, Achilles C.: *See*—  
     Sampietro, Achille C. 2,700,902.  
 Sampietro, Achille C., known as Achilles Charles Sampietro. 2,700,902, Cl. 74—230.2.  
 Sampson, Frederick W.: *See*—  
     Harris, Edward P., and Sampson. 2,707,490.  
     Harris, Edward P., and Sampson. 2,707,491.  
     Harris, Edward P., and Sampson. 2,707,492.  
 Sampson, Frederick W., to General Motors Corp. 2,705,816, Cl. 18—59.  
 Sampson, Frederick W., to General Motors Corp. 2,707,406, Cl. 74—484.  
 Sampson, Frederick W., and A. L. Everitt, to General Motors Corp. 2,705,634, Cl. 267—9.  
 Sams, Dennis A.: *See*—  
     Edge, Stanley H., and Sams. 2,725,119.  
 Sams, Ira E., to Pittsburgh Consolidation Coal Co. 2,721,050, Cl. 248—62.  
 Samuel, Elston: *See*—  
     Morphis, Jehu, and Samuel. 2,717,530.  
 Samuels, Arnold J. 2,718,861, Cl. 112—220.  
 Samuels, Ralph J.: *See*—  
     Schroter, Edward. 2,712,369.  
     Schroter, Edward. 2,712,448.  
 Samuely, Max, to P. P. Heinley. 2,718,485, Cl. 154—126.5.  
 Sanborn, Robert H. 2,705,027, Cl. 140—71.  
 Sanborn, William E., to American Cyanamid Co. 2,711,465, Cl. 210—24.  
 Sanchez, Guillermo. 2,713,724, Cl. 33—104.  
 San Cristoval, Augusto. 2,720,439, Cl. 312—206.  
 Sandback, Irving C., to Bell & Howell Co. 2,720,814, Cl. 88—57.  
 Sandback, Irving C., to Bell & Howell Co. 2,720,816, Cl. 88—57.  
 Sandberg, Einar G.: *See*—  
     Droll, Joseph W., and Sandberg. 2,706,814.  
 Sandberg, Einar G., to United Mattress Machinery Co. 2,726,822, Cl. 242—55.  
 Sandberg, Ray A., to Houdaille-Hershey Corp. 2,709,375, Cl. 74—445.  
 Sandberg, Ray A., to Houdaille-Hershey Corp. 2,712,340, Cl. 153—76.  
 Sandberg, Ray A., to Houdaille-Hershey Corp. 2,722,732, Cl. 29—157.3.  
 Sandberg, Robert W., to The National Cash Register Co. 2,711,375, Cl. 117—36.  
 Sandberg, Rolf A. F., to John Volkert Metal Stampings Inc. 2,698,889, Cl. 200—136.  
 Sanden, Theodore. 2,704,066, Cl. 128—76.  
 Sander, Henry: *See*—  
     Burchett, Roy. 2,722,015.  
 Sanderlin, Ralph C., and F. M. Grant, to J. E. Bush. Re. 23,961, Cl. 74—528.  
 Sanders, Arthur F. 2,725,863, Cl. 123—140.  
 Sanders Associates, Inc.: *See*—  
     Blitz, Daniel. 2,707,272.  
 Sanders, Clarence A., to Miehle Printing Press & Mfg. Co. 2,723,852, Cl. 271—86.  
 Sanders, Clarence H. 2,719,539, Cl. 139—164.  
 Sanders, Elmore J. 2,703,075, Cl. 123—41.49.  
 Sanders, G. G.: *See*—  
     Davidson, Ruby S. 2,700,772.  
     Goodwin, Norris. 2,701,642.  
 Sanders, George P. 2,706,437, Cl. 97—21.  
 Sanders, Harry. 2,721,334, Cl. 4—252.  
 Sanders, Harry. 2,721,335, Cl. 4—252.  
 Sanders, Helen E. 2,703,080, Cl. 128—25.  
 Sanders, Herbert L., to General Aniline & Film Corp. 2,703,797, Cl. 260—102.  
 Sanders, Jerome V. 2,728,352, Cl. 137—571.  
 Sanders, Judson H., to The Procter & Gamble Co. 2,719,815, Cl. 167—87.1.  
 Sanders, Leo K. and V. A., to Pigeon-Hole Parking, Inc. Re. 23,962, Cl. 214—16.1.  
 Sanders, Leo K. and V. A., to Pigeon Hole Parking, Inc. 2,716,466, Cl. 187—76.  
 Sanders, Paul A.: *See*—  
     Baum, Arthur A., and Sanders. 2,700,043.  
     Baum, Arthur A., and Sanders. 2,713,054.  
     Baum, Arthur A., and Sanders. 2,713,055.  
 Sanders, Raymond L. 2,728,175, Cl. 51—218.  
 Sanders, Reginald E. 2,704,667, Cl. 272—60.  
 Sanders, Vaughn A.: *See*—  
     Sanders, Leo K. and V. A. Re. 23,962.  
     Sanders, Leo K. and V. A. 2,716,466.  
 Sanderson, Gunnar, to United States Steel Corp. 2,709,935, Cl. 80—51.  
 Sanderson, Jerry R. and W. H. 2,725,925, Cl. 155—133.  
 Sanderson, Kenneth E., to Draper Corp. 2,707,977, Cl. 139—336.  
 Sanderson, Walter H.: *See*—  
     Sanderson, Jerry R. and W. H. 2,725,925.  
 Sandgren, Find: *See*—  
     Rhyne, Earl C., Jr., and Sandgren. 2,707,260.  
 Sandhage, Ellsworth R.: *See*—  
     Schlayer, Earle G., and Sandhage. 2,714,980.  
 Sandland, Milton E. 2,710,167, Cl. 254—147.  
 Sandler, Leonard M., ½ to M. Schoenfeld. 2,704,182, Cl. 229—51.  
 Sandor, Aurelius. 2,718,357, Cl. 235—79.5.  
 Sandor, Bela T. 2,712,905, Cl. 241—101.  
 Sandow, Alexander: *See*—  
     Mostofsky, David, and Sandow. 2,713,120.  
 Sandoz A. G.: *See*—  
     Frisch, Franz, and Wehrli. 2,714,590.  
     Grandjean, Philippe. 2,727,886.  
     Grandjean, Philippe, and Wehrli. 2,721,864.  
     Günthard, Jacques. 2,713,059.  
     Gutzwiller, Ernst, and Schoenauer. 2,714,596.  
     Helfenberger, Hans, and Hagenbuch. 2,726,133.  
     Iselin, Ernst. 2,705,707.  
     Kartaschoff, Valentine, and Merian. 2,720,517.  
     Kehrer, Fritz, and Wehrli. 2,710,859.  
     Neier, Reinhard, and Wehrli. 2,714,587.  
     Stoll, Arthur, and Bourquin. 2,715,628.  
     Stoll, Arthur, and Bourquin. 2,717,251.  
     Stoll, Arthur, and Rutschmann. 2,706,196.  
     Wehrli, Walter, and Benz. 2,722,527.  
     Wiedemann, Erwin. 2,716,356.  
 Sands, Earl E.: *See*—  
     Frevik, Ralph C., and Sands. 2,708,865.  
 Sands, Hillard J.: *See*—  
     Blanke, Nathan E., and Sands. Re. 23,926.  
 Sands, Hillard J., to The Harvard Mfg. Co. 2,707,288, Cl. 5—131.  
 Sands, Matthew L.: *See*—  
     Keithley, Joseph F., and Sands. 2,715,717.  
 Sands, Roy G., to Automatic Electric Laboratories, Inc. 2,719,934, Cl. 313—243.  
 Sands, William F., to Radio Corp. of America. 2,725,466, Cl. 250—20.  
 Sands, William F., to Radio Corp. of America. 2,727,149, Cl. 250—40.  
 Sandvikens Jernverks Aktiebolag: *See*—  
     Andersson, Anders V. 2,707,619.  
     Annerhed, Karl B. 2,712,332.  
     Hammarström, Johan E. 2,705,035.  
     Hård af Segerstad, Carl G. 2,702,227.  
     Hård af Segerstad, Carl G. 2,708,948.  
     Löfqvist, Bengt E. R. 2,716,564.  
     Löfqvist, Bengt E. R. 2,725,214.  
     Westberg, Alvar T. 2,716,284.  
 Sandy Hill Iron & Brass Works, The: *See*—  
     Hayes, Millard F. 2,727,442.  
     Hisey, Willis O. 2,728,272.  
     Smith, Robert E. 2,706,932.  
 Saneholtz, Wilber J. 2,699,280, Cl. 226—58.  
 Saneholtz, Wilber J. Re. 24,000, Cl. 226—58.  
 Saner, William R., to E. I. du Pont de Nemours and Co. 2,717,834, Cl. 95—9.  
 Saner, William R., to E. I. du Pont de Nemours and Co. 2,717,887, Cl. 260—79.3.  
 Sanford, Elbert A., to The Pfaunder Co. 2,714,470, Cl. 220—64.  
 Sanford, Elbert A., to The Pfaunder Co. 2,725,159, Cl. 220—64.  
 Sanford, Emil E., to Allen B. Du Mont Laboratories, Inc. 2,721,261, Cl. 250—27.  
 Sanford, Gerald L. 2,719,469, Cl. 95—11.5.  
 Sanford, Hugh W. 2,703,655, Cl. 214—58.  
 Sanford Investment Co., The: *See*—  
     Jones, Robert E. 2,728,471.  
 Sanford, James A.: *See*—  
     Dodge, Nathaniel S., Jr., Negley, and Sanford. 2,719,752.  
 Sanford, Roy S., P. F. Simpson, and R. H. Casler, to The Autoyre Co. 2,725,148, Cl. 211—96.  
 Sanft, Charles A., to General Motors Corp. 2,724,982, Cl. 74—502.  
 Sanitary Products Corp.: *See*—  
     Carrier, John A. 2,706,986.  
     Carrier, John A. 2,715,374.  
 Sano Corp.: *See*—  
     Sano, Nick. 2,716,370.  
 Sano, Nick, to Sano Corp. 2,716,370, Cl. 84—1.04.  
 Sansome, Charles A.: *See*—  
     Brown, Darrel C., O'Harra, and Sansome. 2,728,618.  
 Sanson Hosiery Mills, Inc.: *See*—  
     Miller, Louis P., and Foulk. 2,712,744.



- Sansouci, Daisy F.: *See*—  
White, Harry B. 2,706,985.
- Sanstorm Mfg. Co.: *See*—  
Myers, William M. 2,717,476.
- Sant, Ralph P., to McGraw Electric Co. 2,703,349, Cl. 200—113.
- Santa Fe Tank & Tower Co., Inc.: *See*—  
Levine, Sid B. 2,724,871.
- Santamaria, Florentino. 2,723,475, Cl. 40—86.
- Santini, Danilo, and J. Suozzo, to Westinghouse Electric Corp. 2,717,056, Cl. 187—29.
- Santoro, Herbert J.: *See*—  
Kofler, Samuel, and Santoro. 2,705,030.
- Santos, Anthony R. 2,725,649, Cl. 37—98.
- Saportas, Martin: *See*—  
Bush, Ray. 2,699,918.
- Sapp, Charles A., Sr.: *See*—  
Sapp, Gerald G. 2,713,198.
- Sapp, Gerald G., 50% to C. A. Sapp, Sr. 2,713,198, Cl. 30—4.
- Sappey, Harold H. 2,714,238, Cl. 24—150.
- Sar, Inc.: *See*—  
Raker, Winfred E. 2,710,093.
- Saraga, Wolja, to Telephone Mfg. Co. Ltd. 2,716,220, Cl. 333—29.
- Sarah, Thomas F., to The Enterprise Mfg. Co. 2,708,079, Cl. 242—84.4.
- Sarah, Thomas F., to The Enterprise Mfg. Co. 2,713,463, Cl. 242—84.4.
- Sarchet, Bernard R., to Koppers Co., Inc. 2,709,683, Cl. 252—89.
- Sarcotherm Controls, Inc.: *See*—  
Adlam, Thomas N. 2,714,142.
- Sard, Bernard A., to The Permutit Co. 2,711,995, Cl. 210—24.
- Sardella, John J., to Raytheon Mfg. Co. 2,720,617, Cl. 317—235.
- Sardinas, Joseph L.: *See*—  
Shull, Gilbert M., Sardinas, and Routien. 2,721,163.
- Sardou, Charles F., Jr., to G. M. Giannini & Co., Inc. 2,727,796, Cl. 308—178.
- Sarett, Lewis H.: *See*—  
Arth, Glen E., Poos, and Sarett. 2,722,532.
- Sargeant, Walter E.: *See*—  
Martin, Edward J., and Sargeant. 2,704,825.
- Sargeant, Walter E., and E. F. Weller, Jr., to General Motors Corp. 2,701,335, Cl. 324—16.
- Sargeant, Walter E., and W. S. Erwin, deceased, by K. S. Erwin, administratrix, to General Motors Corp. 2,719,257, Cl. 321—18.
- Sargent & Co.: *See*—  
Kulbersh, Nathan. 2,727,304.
- Oxhandler, Samuel. 2,715,270.
- Oxhandler, Samuel, and Lewis. 2,700,887.
- Sargent, Earl O. 2,699,996, Cl. 99—199.
- Sargent, Edward A. 2,718,278, Cl. 183—51.
- Sargent, Elbert R., to McDonnell Aircraft Corp. 2,701,021, Cl. 170—135.4.
- Sargent, Elbert R., and E. P. Neikirk, to McDonnell Aircraft Corp. 2,712,217, Cl. 60—35.6.
- Sargent, Herbert B.: *See*—  
Poorman, Richard M., Sargent, and Lamprey. 2,714,563.
- Sargisson, Robert L., and F. E. Wood, to Automatic Electric Laboratories, Inc. 2,726,292, Cl. 179—178.
- Sargrove Electronics Ltd.: *See*—  
Sargrove, John A., and Ball. 2,705,466.
- Sargrove, John A., and D. A. Ball, to Sargrove Electronics Ltd. 2,705,466, Cl. 112—252.
- Sarin, Krishen K.: *See*—  
Siddiqui, Salimuzzaman, Sarin, and Varma. 2,707,686.
- Sarkisian, Arthur D. 2,703,429, Cl. 16—93.
- Sarles, Peter M., to Westinghouse Electric Corp. 2,714,801, Cl. 60—35.6.
- Sarli, Vincent G.: *See*—  
Marks, Henry C., and Sarli. 2,710,246.
- Sarno, Amedeo J. 2,703,022, Cl. 76—107.
- Sarno, Amedeo J. 2,703,023, Cl. 76—107.
- Sarnoff, Stanley J. 2,704,072, Cl. 128—218.
- Sartin, Hansel, and R. M. Dean. 2,706,297, Cl. 3—29.
- Sarto, Jorma O., to Chrysler Corp. 2,722,207, Cl. 123—127.
- Sartori, Mario F.: *See*—  
Lubs, Herbert A., and Sartori. 2,720,528.
- Sartori, Mario F., to E. I. du Pont de Nemours and Co. 2,700,044, Cl. 260—308.
- Sartori, Mario F., to E. I. du Pont de Nemours and Co. 2,702,296, Cl. 260—343.2.
- Sartori, Mario F., to E. I. du Pont de Nemours and Co. 2,713,056, Cl. 260—304.
- Sartori, Mario F., to E. I. du Pont de Nemours and Co. 2,715,630, Cl. 260—304.
- Sartori, Mario F., to E. I. du Pont de Nemours and Co. 2,715,632, Cl. 260—307.
- Sartorius, Horst. 2,703,707, Cl. 265—54.
- Sasgen, Anthony M., and F. P. Hopfeld, to Grand Specialties Co. 2,709,015, Cl. 214—653.
- Sass, Earl J.: *See*—  
Mackey, Donald, and Sass. 2,728,818.
- Sassaman, William O.: *See*—  
Krohn, Herbert F., Flynn, and Sassaman. 2,720,714.
- Sasse, Elmer C., and J. W. Eaton. 2,705,533, Cl. 164—38.
- Sativa Corp.: *See*—  
Burkhardt, Anton F., and Boeglin. 2,726,921.
- Satterfield, Wilton A. 2,716,769, Cl. 15—119.
- Sattilaro, Andrew. 2,699,640, Cl. 56—400.06.
- Sauder, Harold H. 2,722,665, Cl. 339—36.
- Sauer, A., and Co., Inc.: *See*—  
Sauer, Albert H., Jr. 2,713,782.
- Sauer, Albert H., Jr.; G. K. Sauer, administratrix, to A. Sauer and Co., Inc. 2,713,782, Cl. 63—14.
- Sauer, Charles W., to Arthur D. Little, Inc. 2,713,594, Cl. 260—558.
- Sauer, George: *See*—  
Peterson, Albert C., and Sauer. 2,721,527.
- Sauer, George, to Union Special Machine Co. 2,723,637, Cl. 112—258.
- Sauer, Gertrude K.: *See*—  
Sauer, Albert H., Jr. 2,713,782.
- Sauer, John C.: *See*—  
Cupery, Martin E., and Sauer. 2,720,511.
- Sauerman, Ernst C.: *See*—  
Novick, Abraham, and Sauerman. 2,703,043.
- Saul, Waldo A. 2,716,509, Cl. 222—173.
- Saulino, Anthony J., to United States Rubber Co. 2,726,925, Cl. 18—59.
- Saum, Arthur M., to E. I. du Pont de Nemours and Co. 2,705,650, Cl. 285—9.
- Saumsiegle, Robert W. 2,726,028, Cl. 226—88.
- Saunders, Alfred P.: *See*—  
Overfield-Collins, Edward, and Saunders. 2,723,544.
- Saunders, Alfred P., to Wildt and Co. Ltd. 2,719,416, Cl. 66—14.
- Saunders, James H., and R. J. Slocombe, to Monsanto Chemical Co. 2,702,307, Cl. 260—670.
- Saunders, Norman H., to International Telephone and Telegraph Corp. 2,700,072, Cl. 179—51.
- Saunders, Orson V., to General Motors Corp. 2,708,294, Cl. 20—35.
- Saunders, Orson V., to General Motors Corp. 2,724,630, Cl. 312—340.
- Saunders, Robert H., to Hercules Powder Co. 2,727,919, Cl. 260—475.
- Saunders Valve Co. Ltd.: *See*—  
Price, Richard H. 2,710,629.
- Price, Richard H. 2,716,426.
- Price, Richard H., and Kaye. 2,705,124.
- Saunier, Ralph C.: *See*—  
Simler, Oscar J., and Saunier. 2,714,241.
- Saussard, André J. A., to Lignes Telegraphiques et Telephoniques. 2,721,629, Cl. 188—152.
- Sauter, August K. G.: *See*—  
Wagner, Kurt. 2,721,770.
- Savage Arms Corp.: *See*—  
Dunham, George W. 2,727,264.
- Dunham, George W. 2,727,265.
- Savage, Conwell, to Westinghouse Electric Corp. 2,728,064, Cl. 340—21.
- Savage, Howard W., to the United States of America as represented by the United States Atomic Energy Commission. 2,713,640, Cl. 250—41.9.
- Savage, Leonard H., to Crampton Mfg. Co. 2,717,797, Cl. 292—332.
- Savage Mfg. Co.: *See*—  
Phares, Robert D. 2,716,350.
- Savage, Richard M.: *See*—  
Pfeifer, Charles W., and Savage. 2,713,564.
- Savage, Robert H., to General Electric Co. 2,703,372, Cl. 310—228.
- Saveson, Irwin L., to the United States of America as represented by the Secretary of Agriculture. 2,715,286, Cl. 37—193.
- Savill, Bertie W. G.: *See*—  
Fletcher, Alexander S., Savill, and Perkins. 2,713,466.
- Saville, William S., to General Dynamics Corp. 2,703,109, Cl. 138—55.
- Savins, Joseph G., to Socony-Vacuum Oil Co., Inc. 2,703,006, Cl. 73—59.
- Savoie, Charles U., to The Babcock & Wilcox Co. 2,715,835, Cl. 73—328.
- Savrd, Charles M., to International Fisheries Machinery Co., Inc. 2,722,711, Cl. 17—4.
- Sawdey, George W., to Eastman Kodak Co. 2,706,683, Cl. 95—6.
- Sawdey, George W., and A. Loria, to Eastman Kodak Co. 2,719,086, Cl. 95—2.
- Sawdey, George W., and J. A. Van Allan, to Eastman Kodak Co. 2,719,162, Cl. 260—306.7.
- Sawijalow, Serafim. 2,704,403, Cl. 33—167.
- Sawle, William S., Jr. 2,720,786, Cl. 73—359.
- Sawtelle, Darwin L. 2,719,716, Cl. 273—129.
- Sawyer, Archie A. 2,716,038, Cl. 292—62.
- Sawyer, Bruce A., to North American Aviation, Inc. 2,700,127, Cl. 318—175.
- Sawyer, Charles B.: *See*—  
Dodds, Harry W., and Sawyer. 2,725,288.
- Sawyer, Frederick D.: *See*—  
Kuhary, Emery E., and Sawyer. 2,711,679.
- Kuhary, Emery E., and Sawyer. 2,712,358.
- Kuhary, Emery E., and Sawyer. 2,722,988.
- Richey, Clarence B., Witt, and Sawyer. 2,701,437.
- Sawyer, Frederick D., to Ford Motor Co. 2,698,564, Cl. 97—47.66.
- Sawyer, Frederick D., and E. E. Kuhary, to Ford Motor Co. 2,699,362, Cl. 301—41.
- Sawyer, Frederick D., and R. H. Witt, to Ford Motor Co. 2,701,438, Cl. 56—33.
- Sawyer, Frederick D., and E. E. Kuhary, to Ford Motor Co. 2,727,757, Cl. 280—504.
- Sawyer, Hilon W., to Wallace & Tiernan Inc. 2,715,879, Cl. 107—12.



- Sawyer, John W. 2,714,974, Cl. 222—94.  
 Sawyer, Marshall W.: *See—*  
   Dickey, Norman, and Sawyer. 2,700,496.  
 Sawyer, Marshall W., and R. G. Kenway, to Transco Products, Inc. 2,703,346, Cl. 200—4.  
 Sawyer, Marshall W., H. W. Wilson, Jr., R. G. Kenway, and J. S. Overholser; said Kenway and said Overholser assors. to said Sawyer and said Wilson, Jr. 2,712,210, Cl. 53—26.  
 Sawyer, Max, and E. A. Rutherford. 2,718,406, Cl. 280—41.  
 Sawyer, Robert W.: *See—*  
   Nelson, Joseph F., and Sawyer. 2,727,121.  
 Sawyer, Roland W.: *See—*  
   McGuff, Thomas J., and Sawyer. 2,708,982.  
 Sawyer, Thomas H., to The Ohio Brass Co. 2,727,102, Cl. 191—37.  
 Sawyer's Inc.: *See—*  
   Gruber, Wilhelm B. 2,700,322.  
   Merrick, Maurice J. 2,712,773.  
   Paulsohn, Lester H. 2,713,015.  
 Saxby, Frank R., and R. Pritchard, to The National Cash Register Co. 2,714,985, Cl. 235—60.48.  
 Saxby, Marvin R., to Machine Enterprise Corp. 2,714,360, Cl. 112—2.  
 Saxby, Robert N.: *See—*  
   Meadows, Stanley G., and Saxby. 2,713,656.  
   Meadows, Stanley G., and Saxby. 2,726,130.  
 Saxe, Walter E., to The Conveyor Co. 2,707,559, Cl. 209—325.  
 Saxe, Walter E., to The Conveyor Co., Inc. 2,718,309, Cl. 210—69.  
 Saxer, Alphonse J.: *See—*  
   Teller, W. Kedzie. 2,728,729.  
 Saxl, Erwin J. 2,724,065, Cl. 310—93.  
 Saxon, Arthur F., to Blaw-Knox Co. 2,722,339, Cl. 220—57.  
 Saxon, Cecil C. 2,711,908, Cl. 280—406.  
 Saxon, Lloyd S.: *See—*  
   Saxon, Ralph B. and L. S. 2,714,766.  
 Saxon, Ralph B. and L. S. 2,714,766, Cl. 33—217.  
 Saxton, John N. 2,726,693, Cl. 144—290.  
 Saxton, John N. 2,726,694, Cl. 144—302.  
 Saxton, Millard F.: *See—*  
   Corney, Charles S., Saxton, and Stuerzl. 2,707,798.  
 Sayas Costa, Arquimedes, and A. M. Gonzalez. 2,714,624, Cl. 136—28.  
 Sayce, Leonard A., to National Research Development Corp. 2,721,389, Cl. 33—32.  
 Sayers, Cecil F., to National Research Development Corp. 2,713,339, Cl. 125—15.  
 Sayers, James. 2,712,072, Cl. 250—41.9.  
 Sayford, Frank M., Jr. 2,723,072, Cl. 229—5.5.  
 Sayko, Andrew F.: *See—*  
   Newberg, Raymond G., Wilson, and Sayko. 2,706,719.  
 Sayles, Louis F. 2,727,571, Cl. 164—74.  
 Saylor, Frank D., & Son: *See—*  
   Balis, Charles B. 2,709,453.  
 Saywell Associates: *See—*  
   Hornell, Alex. 2,701,150.  
   Saywell, Lawrence G. 2,705,654.  
   Saywell, Lawrence G. 2,706,650.  
   Saywell, Lawrence G. 2,712,460.  
   Saywell, Lawrence G. 2,720,404.  
 Saywell, Lawrence G., to Saywell Associates. 2,705,654, Cl. 286—11.  
 Saywell, Lawrence G., to Saywell Associates. 2,706,650, Cl. 286—11.  
 Saywell, Lawrence G., to Saywell Associates. 2,712,460, Cl. 286—11.  
 Saywell, Lawrence G., to Saywell Associates. 2,720,404, Cl. 286—11.  
 Scafi, Philip J. 2,718,745, Cl. 56—328.  
 Scaife, Arthur J. 2,698,591, Cl. 114—0.5.  
 Scala, Joseph D. 2,707,340, Cl. 36—19.5.  
 Scala, Joseph D. 2,725,645, Cl. 36—3.  
 Scalera, Mario, and F. H. Adams, to American Cyanamid Co. 2,700,669, Cl. 260—308.  
 Scalera, Mario, and D. R. Eberhart, to American Cyanamid Co. 2,702,759, Cl. 117—33.5.  
 Scalera, Mario, and R. A. Gadea, to American Cyanamid Co. 2,719,154, Cl. 260—249.  
 Scalf, Ed. 2,700,890, Cl. 73—40.  
 Scalise, Oreste. 2,721,802, Cl. 99—93.  
 Scammell Lorries Ltd.: *See—*  
   Watts, Laurence D., and Walter. 2,718,270.  
 Scanlan, Joseph P., to American Electro Metal Corp. 2,719,095, Cl. 117—50.  
 Scanley, Clyde S.: *See—*  
   Fields, Ellis K., Scanley, and Linsk. 2,719,126.  
   Linsk, Jack, and Scanley. 2,710,282.  
 Scanlon, John J. 2,704,116, Cl. 155—127.  
 Scannell, Eustace S., and L. W. Berni. 2,728,490, Cl. 222—153.  
 Scarborough, Frederick. 2,700,879, Cl. 66—126.  
 Scarborough, Olive H.: *See—*  
   Schaub, Mary S., and Scarborough. 2,707,988.  
 Scarlett, Arthur A., and S. M. Young, to International Harvester Co. 2,700,261, Cl. 56—1.  
 Scarlett, Arthur A., and S. M. Young, to International Harvester Co. 2,704,429, Cl. 56—1.  
 Scarrow, James A.: *See—*  
   Deans, Sidney A. V., and Scarrow. 2,712,009.  
   Deans, Sidney A. V., and Scarrow. 2,712,010.  
   Deans, Sidney A. V., Scarrow, and Beall. 2,711,988.  
 Scarry, John L.: *See—*  
   Pakkala, Matti H., and Scarry. 2,708,379.  
 Scavullo, Angelo C., to V. K., F., and C. Scavullo, M. S. Saegert, and M. S. Scott. 2,714,296, Cl. 65—66.  
 Scavullo, Charles: *See—*  
   Scavullo, Angelo C. 2,714,296.  
 Scavullo, Frank: *See—*  
   Scavullo, Angelo C. 2,714,296.  
 Scavullo, Victor K.: *See—*  
   Scavullo, Angelo C. 2,714,296.  
 Schaab, Rudolph S., and J. E. Tiso. 2,701,958, Cl. 69—27.  
 Schaab, Rudolph S., and J. E. Tiso. 2,712,230, Cl. 69—27.  
 Schaad, John, to Waldes Kohinoor, Inc. 2,700,351, Cl. 112—216.  
 Schaaf, Edward J., and E. F. Greedy, to Food Machinery and Chemical Corp. 2,716,321, Cl. 56—104.  
 Schaaf, Oliver H., to Air-Maze Corp. 2,723,731, Cl. 189—36.  
 Schaaf, Rudolph G., Jr., deceased, by H. L. Schaaf, executrix, to Jaeger Watch Co., Inc. 2,700,283, Cl. 64—15.  
 Schaaf, Rudolph G., Jr., to Jaeger Watch Co., Inc. 2,712,758, Cl. 74—159.  
 Schaberg, Johannes G., to Minneapolis-Honeywell Regulator Co. 2,712,757, Cl. 74—5.6.  
 Schachenmayr, Mann & Cie: *See—*  
   Haug, Emil. 2,702,426.  
 Schacher, Walter C. 2,726,690, Cl. 144—137.  
 Schacht, Martin E.: *See—*  
   Wilkerson, Augustus B., and Schacht. 2,714,345.  
 Schachte, George D. 2,719,382, Cl. 43—44.99.  
 Schad, James L., to General Electric Co. 2,721,788, Cl. 23—281.  
 Schad, Rudolf P. J. C., and R. J. Koch, to Reuther Tiefbau G. m. b. H. 2,707,616, Cl. 255—1.  
 Schade, Frank S., to National Blank Book Co. 2,709,439, Cl. 129—24.  
 Schade, Frank S., to National Blank Book Co. 2,724,386, Cl. 129—13.  
 Schade, John, to National Blank Book Co. 2,709,462, Cl. 140—71.  
 Schade, Otto H., to Radio Corp. of America. 2,710,308, Cl. 178—5.4.  
 Schaefer, Arthur E.: *See—*  
   Fillion, Stanley H., and Schaefer. 2,707,610.  
 Schaefer, Edward J. 2,698,911, Cl. 310—86.  
 Schaefer, Edward J. 2,704,346, Cl. 318—481.  
 Schaefer, Edward J. 2,721,105, Cl. 308—160.  
 Schaefer, Ferdinand R. 2,700,786, Cl. 15—256.  
 Schaefer, Franz, to Osram G. m. b. H. Kommanditgesellschaft. 2,706,691, Cl. 117—33.5.  
 Schaefer, Friedrich, and W. Mayer, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,711,841, Cl. 220—63.  
 Schaefer, Harold W.: *See—*  
   Schofield, Donald W., and Schaefer. 2,702,848.  
 Schaefer, Harold W., to Philco Corp. 2,700,532, Cl. 257—9.  
 Schaefer, Henry: *See—*  
   Vincent, Rcnic P., and Schaefer. 2,706,406.  
 Schaefer, Henry, to Stanolind Oil and Gas Co. 2,708,975, Cl. 166—75.  
 Schaefer, James C., to Republic Steel Corp. 2,722,510, Cl. 204—64.  
 Schaefer, Karl W.: *See—*  
   White, Paul W., and Schaefer. 2,727,289.  
 Schaefer, Ralph A., and W. H. Morrison, to Clevite Corp. 2,715,252, Cl. 22—57.2.  
 Schaefer, Robert J.: *See—*  
   Bilane, Roland B., Barry, and Schaefer. 2,727,699.  
 Schaefer, Robert J., and A. P. F. Dompke, to Ethicon, Inc. 2,727,791, Cl. 302—2.  
 Schaefer, Vincent J., to General Electric Co. 2,721,495, Cl. 88—14.  
 Schaefer, Vincent J., to General Electric Co. 2,726,211, Cl. 252—70.  
 Schaefer, Wilhelm: *See—*  
   Kreissig, Ernst, Schaefer, Remfert, Edelmeier, and Müller. 2,705,605.  
 Schaefer, William B. 2,712,890, Cl. 223—94.  
 Schaefer, William J. 2,698,612, Cl. 123—117.  
 Schaeffer, Jacob H., to Shiman Bros. & Co., Inc. 2,706,542, Cl. 189—36.  
 Schaeffer, Joseph M., and E. B. Byam, to The Waterbury Farrell Foundry & Machine Co. 2,728,267, Cl. 10—12.  
 Schaelchlin, Walter, to Westinghouse Electric Corp. 2,714,695, Cl. 318—29.  
 Schaerer, August A., to Shell Development Co. 2,703,305, Cl. 196—17.  
 Schaerer, John E. 2,717,108, Cl. 223—91.  
 Schäfer, Georg. 2,701,010, Cl. 157—1.17.  
 Schafer, William J., to A. J. Waldorf. 2,728,904, Cl. 340—227.  
 Schaff, Helen L.: *See—*  
   Schaaf, Rudolph G., Jr. 2,700,283.  
 Schaffer, David J., to Bendix Aviation Corp. 2,724,375, Cl. 123—97.  
 Schaffer, Harvey. 2,719,579, Cl. 155—194.  
 Schaffer, Herman W., to General Electric Co. 2,727,165, Cl. 310—239.  
 Schaffner-Glössl, Konrad. 2,723,727, Cl. 185—37.  
 Schaffner, Claude. 2,707,350, Cl. 45—81.  
 Schafroth, Werner, and J. H. Mott, to International Staple and Machine Co. 2,722,001, Cl. 1—49.  
 Schaible Co., The: *See—*  
   Hyde, Robert W. 2,709,046.  
   Leuthesser, Fred W., Jr., and Fox. 2,713,314.  
 Schaich, Wilbur A. 2,701,504, Cl. 89—33.  
 Schall, Louis H.: *See—*  
   Blass, Judd, and Schall. 2,704,802.



- Schaller, Harold E. 2,721,593, Cl. 146—67.  
 Schaller, Maurice, to Lorentzen Hardware Mfg. Corp. 2,706,592, Cl. 229—23.  
 Schaller, Maurice, to Lorentzen Hardware Mfg. Corp. 2,722,363, Cl. 229—19.  
 Schaltegger, Klara H.: *See—*  
 Warf, James C., and Schaltegger. 2,726,170.  
 Schampel, Arthur H.: *See—*  
 King, Robert C., Schampel, and Becking. 2,722,958.  
 Schampel, Royal S. 2,702,467, Cl. 70—280.  
 Schaper, Leonard W. 2,710,488, Cl. 46—28.  
 Schapker, Richard L. 2,711,629, Cl. 60—35.6.  
 Scharf, Arthur: *See—*  
 Conklin, Robert M., and Scharf. 2,708,284.  
 Scharmann & Co., G. m. b. H.: *See—*  
 Schraub, Willi. 2,699,694.  
 Scharpf, Otto: *See—*  
 Alvey, Harold W., and Scharpf. 2,727,691.  
 Schatz, Johannes, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. 2,716,605, Cl. 75—173.  
 Schatz, Johannes, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. 2,719,085, Cl. 75—173.  
 Schatz, Robert A.: *See—*  
 Willis, William J., and Schatz. 2,709,777.  
 Schatzman, George W.: *See—*  
 Ludwig, Donald C., and Schatzman. 2,700,553.  
 Schaub, Benton H. 2,718,157, Cl. 74—472.  
 Schaub, Franz, to Ruhrchemie Aktiengesellschaft. 2,714,224, Cl. 18—27.  
 Schaub, Robert E.: *See—*  
 Baker, Bernard R., and Schaub. 2,705,715.  
 Schaubel, Gustave. 2,718,875, Cl. 119—61.  
 Schauble, Otto C., V. Mekler, E. H. Palchik, and M. J. P. Bogart, to The Lummus Co. 2,718,216, Cl. 122—235.  
 Schauer, Herman, to Telefonbau und Normalzeit Gesellschaft mit beschränkter Haftung. 2,709,720, Cl. 179—18.  
 Schauer, Homer M.: *See—*  
 Gordon, Moses, and Schauer. 2,725,340.  
 Schaufelberger, Felix A.: *See—*  
 Roy, Tuhin K., and Schaufelberger. 2,726,953.  
 Schaufelberger, Felix A., to Chemical Construction Corp. 2,711,956, Cl. 75—119.  
 Schaufelberger, Felix A., to Chemical Construction Corp. 2,711,957, Cl. 75—119.  
 Schaufelberger, Felix A., and J. O. Dasher, to Chemical Construction Corp. 2,711,958, Cl. 75—119.  
 Schaufelberger, Felix A., and T. K. Roy, to Chemical Construction Corp. 2,720,457, Cl. 75—119.  
 Schaum, Fletcher, to Fletcher Works Inc. 2,716,858, Cl. 57—80.  
 Schaupp, Edward R. 2,710,737, Cl. 251—218.  
 Schaurte, Paul. 2,707,333, Cl. 33—147.  
 Schaus, Karl L. 2,715,336, Cl. 73—278.  
 Schauweker, George H., to American Optical Co. 2,718,007, Cl. 2—14.  
 Schavet, Marie W.: *See—*  
 Warren, Asa E., and Schavet. 2,720,836.  
 Schechter, William H., and S. L. Walters, to Callery Chemical Co. 2,708,152, Cl. 23—190.  
 Schechter, William H., and S. L. Walters, to Callery Chemical Co. 2,711,946, Cl. 23—204.  
 Scheffel, John W.: *See—*  
 Fischer, Paul W., and Scheffel. 2,717,239.  
 Scheffer, Nicolaas: *See—*  
 Unk, Jacob M., Scheffer, and Greve. 2,714,631.  
 Scheffler, William F., and R. L. Skinner. 2,728,821, Cl. 200—38.  
 Scheibli, James R., to Shell Development Co. 2,713,567, Cl. 260—45.5.  
 Scheibner, Maurice E. 2,716,854, Cl. 55—89.  
 Scheidenhelm, Earl L., and F. A. Lampe, to H. D. Hume. 2,717,479, Cl. 55—83.  
 Scheifele, Frederick W. 2,722,727, Cl. 24—249.  
 Scheiferlein, Andreas, to G. Ospelt. 2,720,198, Cl. 123—195.  
 Scheiferlein, Andreas, to G. Ospelt. 2,725,866, Cl. 123—195.  
 Scheitlin, Alexander, to H. Hardie. 2,721,331, Cl. 2—237.  
 Schell, John W., to Erie Resistor Corp. 2,704,992, Cl. 118—49.  
 Schell, John W., to Erie Resistor Corp. 2,725,312, Cl. 117—218.  
 Schellens, Christopher A. 2,700,344, Cl. 103—112.  
 Schellens, Eugene L. 2,716,791, Cl. 22—200.  
 Schellentrager, Eugene W., to The Atlas Bolt & Screw Co. 2,699,732, Cl. 105—133.  
 Scheller, Curt, to Gebr. Boehringer G. m. b. H. 2,705,879, Cl. 66—126.  
 Scheller, Curt, to Gebr. Boehringer G. m. b. H. 2,708,840, Cl. 66—129.  
 Schellerer, Josef. 2,701,530, Cl. 103—106.  
 Schelling, George C.: *See—*  
 Lueck, Irving B., and Schelling. 2,723,501.  
 Schelp, Helmut R.: *See—*  
 Dallenbach, Frederick, and Schelp. 2,701,682.  
 Schelp, Helmut R., to The Garrett Corp. 2,720,091, Cl. 62—138.  
 Schelp, Helmut R., to the United States of America as represented by the Secretary of the Air Force. 2,720,750, Cl. 60—35.6.  
 Schels, Carl K. 2,708,358, Cl. 72—37.  
 Schemers, William J. 2,701,168, Cl. 304—9.  
 Schenau, Bernardus W. V., to Hartford National Bank and Trust Co., trustee. 2,722,621, Cl. 313—76.  
 Schenck, Carl, Maschinenfabrik G. m. b. H.: *See—*  
 Federn, Klaus, and Hack. 2,722,830.  
 Schenck, Carl, Maschinenfabrik Darmstadt G. m. b. H.: *See—*  
 Federn, Klaus. 2,704,452.  
 Häcker, Otto. 2,715,688.  
 Schenck, James. 2,719,127, Cl. 252—301.4.  
 Schenck, John F. 2,717,531, Cl. 88—93.  
 Schenck, Martin, to Schering A. G. 2,728,776, Cl. 260—309.2.  
 Schenck, Robert C., to The Duriron Co., Inc. 2,713,987, Cl. 251—188.  
 Schenk, Carl, Maschinenfabrik Darmstadt G. m. b. H.: *See—*  
 Federn, Klaus. 2,706,399.  
 Schenk, Carl, Maschinenfabrik G. m. b. H.: *See—*  
 Federn, Klaus. 2,720,781.  
 Schenk, Peter. 2,724,539, Cl. 229—23.  
 Schenk, Tamis C., to Burry Biscuit Corp. Re. 23,968, Cl. 53—67.  
 Schenk, Max, to Dr. von Glutz & Muller Aktiengesellschaft. 2,710,804, Cl. 95—7.  
 Schenkel, Geert, to Hartford National Bank and Trust Co., trustee. 2,720,934, Cl. 181—5.  
 Schenkelberger, Frank J.: *See—*  
 Snyder, Jacob R., and Schenkelberger. 2,702,563.  
 Snyder, Jacob R., and Schenkelberger. 2,712,323.  
 Schenkelberger, Frank J., to The Baker-Raulang Co. 2,709,016, Cl. 214—655.  
 Schenkelberger, Frank J., to The Baker-Raulang Co. 2,709,018, Cl. 214—731.  
 Schenker, Bernard, and W. M. Allison, to Sprague Electric Co. 2,721,310, Cl. 333—23.  
 Schenley Industries, Inc.: *See—*  
 Behnisch, Robert, Mietzsch, and Schmidt. 2,719,161.  
 Brockmann, Hans, and Kluge. 2,707,704.  
 Hörlein, Hans U., Andersag, and Timmler. 2,714,593.  
 Katz, Leon. 2,710,823.  
 Katz, Leon. 2,710,824.  
 Schraufstaetter, Ernst, and Domagk. 2,710,881.  
 Schroeder, William. 2,710,862.  
 Schensted, Roy E. 2,705,003, Cl. 124—16.  
 Schepker, Paul F.: *See—*  
 Haupt, Walter H., and Schepker. 2,709,221.  
 Scheppe, John J. 2,708,977, Cl. 180—2.  
 Scherbatskoy, Serge A. 2,724,060, Cl. 250—83.6.  
 Scherbatskoy, Serge A., to Perforating Guns Atlas Corp. 2,725,485, Cl. 250—71.5.  
 Scherenberg, Hans, to Gutbrod Motorenbau G. m. b. H. 2,717,582, Cl. 123—32.  
 Scherer, Bernard L., to Sorensen & Co., Inc. 2,714,188, Cl. 323—66.  
 Scherer, George F., to Rockwell Mfg. Co. 2,728,486, Cl. 222—23.  
 Scherer, Paul A.: *See—*  
 Bush, Vannevar, and Scherer. 2,709,979.  
 Scherer, R. P., Corp.: *See—*  
 Halstead, Richard L., and Whipple. 2,710,990.  
 Scherer, Robert P. 2,701,545.  
 Scherer, Robert P. 2,704,542.  
 Scherer, Robert P. 2,704,543.  
 Scherer, Robert P., Benford, and Moreland. 2,703,047.  
 Venditty, Anthony. 2,714,887.  
 Scherer, Robert P., to R. P. Scherer Corp. 2,701,545, Cl. 118—219.  
 Scherer, Robert P., to R. P. Scherer Corp. 2,704,542, Cl. 128—173.  
 Scherer, Robert P., to R. P. Scherer Corp. 2,704,543, Cl. 128—173.  
 Scherer, Robert P., S. Benford, and S. T. Moreland, to R. P. Scherer Corp. 2,703,047, Cl. 101—8.  
 Schering A. G.: *See—*  
 Junkmann, Karl, and Engelfried. 2,713,062.  
 Kathol, Josef. 2,713,061.  
 Schenck, Martin. 2,728,776.  
 Schering Corp.: *See—*  
 Papa, Domenick. 2,708,678.  
 Sperber, Nathan, and Papa. 2,727,895.  
 Schernekau, Emil R.: *See—*  
 Schernekau, Gustav A. 2,701,236.  
 Schernekau, Gustav A.,  $\frac{1}{4}$  to P. G. Schernekau,  $\frac{1}{4}$  to E. R. Schernekau,  $\frac{1}{4}$  to R. E. Schernekau,  $\frac{1}{4}$  to J. H. Schernekau, and  $\frac{1}{4}$  to K. A. Schernekau. 2,701,236, Cl. 210—24.  
 Schernekau, Jack H.: *See—*  
 Schernekau, Gustav A. 2,701,236.  
 Schernekau, Kenneth A.: *See—*  
 Schernekau, Gustav A. 2,701,236.  
 Schernekau, Paul G.: *See—*  
 Schernekau, Gustav A. 2,701,236.  
 Schernekau, Robert E.: *See—*  
 Schernekau, Gustav A. 2,701,236.  
 Scherr, George H. 2,701,229, Cl. 195—142.  
 Schesvold, Orland S.: *See—*  
 Breslow, Donald M., and Schesvold. 2,712,513.  
 Breslow, Donald M., and Schesvold. 2,717,033.  
 Schettler, William R., to General Electric Co. 2,720,846, Cl. 105—175.  
 Schetty, Guido: *See—*  
 Kuster, Werner, and Schetty. 2,723,263.  
 Schetty, Guido, to J. R. Geigy A. G. 2,711,404, Cl. 260—145.  
 Schetty, Guido, to J. R. Geigy A. G. 2,714,102, Cl. 260—147.  
 Schetty, Guido, and W. Kuster, to J. R. Geigy A. G. 2,709,167, Cl. 260—151.  
 Scheuchzer, André: *See—*  
 Scheuchzer, Fredy and A. 2,724,515.  
 Scheuchzer, Fredy and A. 2,724,515, Cl. 214—42.  
 Schouer, Ernst, to International Alloys Ltd. 2,724,160, Cl. 22—214.



- Schewel, Abe M. 2,715,043, Cl. 296—97.  
 Schiavi, Vincent, to Roadgrader Gauge Corp. 2,706,654, Cl. 287—129.  
 Schichau, Firma F., A. G.: *See—*  
 Przybylski, Kurt, and Noé. 2,723,845.  
 Schick, Herman P.: *See—*  
 Frank, Wallace E., Schick, and Kreier. 2,720,136.  
 Schick, Joseph S. 2,714,295, Cl. 65—12.  
 Schickner, William C.: *See—*  
 Beach, John G., Schickner, and Faust. 2,711,389.  
 Schickner, William C., to The Battelle Development Corp. 2,728,718, Cl. 204—4.  
 Schiefer, Paul J. 2,719,438, Cl. 74—572.  
 Schierman, Samuel,  $\frac{1}{4}$  to C. V. Collin. 2,723,864, Cl. 280—47.24.  
 Schierman, Waldo C. 2,718,837, Cl. 97—189.  
 Schiesel, Ervin E., to The Torrington Mfg. Co. 2,706,404, Cl. 73—93.  
 Schiesel, Ervin E., to The Mattatuck Mfg. Co. 2,708,591, Cl. 287—90.  
 Schiesel, Ervin E., to The Mattatuck Mfg. Co. 2,723,004, Cl. 184—14.  
 Schieser, Warren J., J. F. Kelley, R. M. White, and L. W. Hoffman, to The Exact Weight Scale Co. 2,726,061, Cl. 249—2.  
 Schiff, Karl L. 2,716,562, Cl. 283—42.  
 Schilberg, Arnold G., to A. O. Smith Corp. 2,707,100, Cl. 267—20.  
 Schild, August: *See—*  
 Eicher, Werner, Schild, and Juchli. 2,701,645.  
 Schild, Edward M. 2,723,789, Cl. 226—56.  
 Schildknecht, Calvin E., and M. L. Wallace, to Celanese Corp. of America. 2,713,573, Cl. 260—85.5.  
 Schiller, Arthur M., and T. J. Suen, to American Cyanamid Co. 2,698,787, Cl. 92—3.  
 Schilling, Albert A.: *See—*  
 Mills, Howard W., and Schilling. 2,728,260.  
 Schilling, Clarence J.: *See—*  
 Twomey, Lee S., and Schilling. 2,720,389.  
 Schilling, Clarence J., and L. S. Twomey, to Air Products, Inc. 2,701,710, Cl. 261—114.  
 Schilling, Hugh K., to General Package Corp. 2,702,973, Cl. 53—42.  
 Schilling, Martin. 2,722,221, Cl. 132—1.  
 Schilling, Otto, to Daimler-Benz Aktiengesellschaft. 2,715,890, Cl. 121—42.  
 Schilling, Otto, to Daimler-Benz Aktiengesellschaft. 2,719,514, Cl. 123—32.  
 Schillinger, Jack: *See—*  
 Puckett, Lawrence P., Jr., Schillinger, Segal, and Blumberg. 2,704,876.  
 Schimansky, Otto. 2,710,190, Cl. 273—165.  
 Schindel, Lewis. 2,726,577, Cl. 89—36.  
 Schindler, Frank S.: *See—*  
 Fentress, David W., and Schindler. 2,707,117.  
 Schindler, Frank S., to Chicago Metal Hose Corp. 2,721,746, Cl. 285—90.  
 Schindler, Harold C.: *See—*  
 Double, Walter F., Schindler, and Armington. 2,723,567.  
 Schipper, Pieter W. 2,705,427, Cl. 74—37.  
 Schippers, Maarten E., Jan A. D. Wzn, and Jan A. Dekker. 2,705,845, Cl. 40—102.  
 Schirmer, Robert M.: *See—*  
 Britton, Sylvester C., and Schirmer. 2,698,510.  
 Britton, Sylvester C., and Schirmer. 2,698,513.  
 Britton, Sylvester C., and Schirmer. 2,702,984.  
 Schirmer, Robert M., and S. C. Britton, to Phillips Petroleum Co. 2,698,512, Cl. 60—35.4.  
 Schjolin, Hans O.: *See—*  
 Guentsche, Helmut, Nelson, and Schjolin. 2,724,292.  
 Guentsche, Helmut, Nelson, and Schjolin. 2,724,293.  
 Schjolin, Hans O., and D. K. Isbell, to General Motors Corp. 2,704,233, Cl. 308—211.  
 Schlaak, Ervin, to Durham Mfg. Corp. 2,709,482, Cl. 155—142.  
 Schlabach, Raymond M., and L. V. Bockius. 2,705,346, Cl. 18—59.  
 Schladitz, Hermann. 2,698,812, Cl. 117—47.  
 Schlaeger, Albert J., and E. A. Radecki, to International Minerals & Chemical Corp. 2,723,292, Cl. 260—534.  
 Schlage, Ernest L., to Schlage Lock Co. 2,698,636, Cl. 144—27.  
 Schlage, Ernest L., to Schlage Lock Co. 2,719,744, Cl. 292—1.  
 Schlage, Ernest L., to Schlage Lock Co. 2,723,416, Cl. 16—52.  
 Schlage, Ernest L., to Schlage Lock Co. 2,723,873, Cl. 292—335.  
 Schlage Lock Co.: *See—*  
 Conklin, Robert M., and Scharf. 2,708,284.  
 Farnsworth, William Y. 2,711,920.  
 Schlage, Ernest L. 2,698,636.  
 Schlage, Ernest L. 2,719,744.  
 Schlage, Ernest L. 2,723,416.  
 Schlage, Ernest L. 2,723,873.  
 Schlamann, Johannes T. M., to Shell Development Co. 2,714,853, Cl. 103—37.  
 Schlänfer, Hans, and J. Bindler, to J. R. Geigy A. G. 2,709,178, Cl. 260—534.  
 Schlaudecker, George F., to Maumee Development Co. 2,705,242, Cl. 260—470.  
 Schlager, Earle G., and E. R. Sandhage, to American Cyanamid Co. 2,714,980, Cl. 226—92.  
 Schlecht, Charles H., and J. P. Bowden, to Heintz Mfg. Co. 2,708,512, Cl. 207—17.  
 Schlecht, Helmut: *See—*  
 Schlecht, Leo and H., and Staeger. 2,719,077.  
 Schlecht, Leo, and E. Oestreicher, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,699,458, Cl. 136—28.  
 Schlecht, Leo, and K. Ackermann, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,700,062, Cl. 136—28.  
 Schlecht, Leo and H., and R. Staeger, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,719,077, Cl. 23—203.  
 Schlegel, Franz, to H. J. Graw. 2,725,789, Cl. 88—57.  
 Schlegel, Glen A. 2,719,625, Cl. 198—88.  
 Schlegel, Karl F., Jr. 2,728,108, Cl. 18—47.5.  
 Schlegel Mfg. Co., The: *See—*  
 Schlegel, Norman C. 2,699,581.  
 Schlegel, Norman C. 2,699,582.  
 Schlegel, Norman C., to The Schlegel Mfg. Co. 2,699,581, Cl. 20—69.  
 Schlegel, Norman C., to The Schlegel Mfg. Co. 2,699,582, Cl. 20—69.  
 Schlegel, Paul R., to Lane-Wells Co. 2,718,926, Cl. 166—135.  
 Schlegel, Walter L., Jr., to American Steel Foundries. 2,724,345, Cl. 105—197.  
 Schlegel, Walter L., Jr., to American Steel Foundries. 2,728,569, Cl. 267—19.  
 Schlegel, William H. 2,706,295, Cl. 2—216.  
 Schleich, Friedrich. 2,726,923, Cl. 18—36.  
 Schleicher, Harold E., to The Arrow-Hart & Hegeman Electric Co. 2,719,890, Cl. 200—87.  
 Schleifer, Carlo. 2,712,163, Cl. 19—116.  
 Schleifer, Lewis F.: *See—*  
 Licht, Emanuel H. 2,711,546.  
 Schlenker, Max E.: *See—*  
 Pomatto, Charles V., and Schlenker. 2,704,432.  
 Schlesinger, Albert N., Weiner, and S. M. Gordon, to Endo Products Inc. 2,712,016, Cl. 260—253.  
 Schlesinger, Albert N., Weiner, and S. M. Gordon, to Endo Products Inc. 2,728,780, Cl. 260—343.2.  
 Schlesinger, Arthur H.: *See—*  
 Birum, Gail H., and Schlesinger. 2,717,828.  
 Schlesinger, Arthur H., to Monsanto Chemical Co. 2,723,190, Cl. 71—2.5.  
 Schlesinger, Arthur H., and D. T. Mowry, to Monsanto Chemical Co. 2,723,191, Cl. 71—2.5.  
 Schlesinger, Kurt, to Motorola, Inc. 2,706,220, Cl. 178—7.3.  
 Schlesinger, Kurt, to Motorola, Inc. 2,708,687, Cl. 178—7.3.  
 Schlesinger, Kurt, to Motorola, Inc. 2,713,610, Cl. 178—69.5.  
 Schlesinger, Kurt, to Motorola, Inc. 2,713,611, Cl. 178—69.5.  
 Schlesinger, Kurt, to Motorola, Inc. 2,718,546, Cl. 178—5.4.  
 Schlesinger, Robert A. 2,717,736, Cl. 235—92.  
 Schlessiger, Paul J., and L. Smith, to International Business Machines Corp. 2,724,332, Cl. 101—336.  
 Schley, Frederick E., and L. A. 2,704,191, Cl. 242—93.  
 Schley, Lyman A.: *See—*  
 Schley, Frederick E., and L. A. 2,704,191.  
 Schleyer, E. C., Pump Co., Inc.: *See—*  
 Schleyer, Victor, Henricks, and Baxter. 2,726,853.  
 Schleyer, Victor. 2,699,801, Cl. 137—553.  
 Schleyer, Victor, and J. L. Henricks. 2,712,826, Cl. 134—139.  
 Schleyer, Victor, J. L. Henricks, and R. R. Baxter, to E. C. Schleyer Pump Co., Inc. 2,726,853, Cl. 261—5.  
 Schlichting, Karl F., to Nordischer Maschinenbau Rud. Baader. 2,704,378, Cl. 17—4.  
 Schlichting, Otto: *See—*  
 Hrubesch, Adolf, and Schlichting. 2,711,991.  
 Schlichtsupp, Theodore F. 2,711,271, Cl. 222—493.  
 Schlitt, William J., Jr.: *See—*  
 Montooth, George A., and Schlitt. 2,705,146.  
 Schloetzer, Harry F. 2,714,198, Cl. 339—261.  
 Schlögl, Friedrich: *See—*  
 Weissenberg, Gustav, Schulze, and Schlögl. 2,713,635.  
 Schloss, Dan, and A. W. Houtz, to Lumberteria, Inc. 2,708,276, Cl. 5—111.  
 Schlumberger, Marcel, to Societe de Prospection Electrique Procedes, Schlumberger. 2,698,733, Cl. 255—1.4.  
 Schlumberger Well Surveying Corp.: *See—*  
 Bilderback, Kenneth A. 2,726,365.  
 Blanchard, Andre. 2,725,713.  
 Doll, Henri-Georges. 2,704,347.  
 Doll, Henri-Georges. 2,707,266.  
 Doll, Henri-Georges. 2,712,626—30.  
 Doll, Henri-Georges. 2,712,632.  
 Doll, Henri-Georges. 2,713,146.  
 Doll, Henry-Georges. 2,725,523.  
 Doll, Henri-Georges. 2,728,047.  
 Ferre, Maurice C. 2,712,631.  
 Goodman, Clark. 2,711,482.  
 Goodman, Clark. 2,726,338.  
 Krasnow, Shelley, and Test. 2,702,352.  
 Krasnow, Shelley, and Test. 2,709,753.  
 Lebourg, Maurice P. 2,712,697.  
 Schlumbohm, Peter. 2,705,086, Cl. 215—101.  
 Schlumbohm, Peter. 2,706,016, Cl. 183—63.  
 Schuster, Nick A. 2,723,375.  
 Slaughter, Gordon S. 2,720,584.  
 Zimmerman, Carl W. 2,719,948.  
 Schmal, Alois H., to Mack Mfg. Corp. 2,724,252, Cl. 64—27.  
 Schmale, Otto H., and A. C. Bull; said Bull assor, to said Schmale. 2,704,190, Cl. 242—86.  
 Schmalfeld, Paul: *See—*  
 Danulat, Friedrich, and Schmalfeld. 2,701,758.  
 Schmall, Morton: *See—*  
 Duschinsky, Robert, and Schmall. 2,706,732.  
 Schmaltz, Vincent B.,  $\frac{1}{2}$  to H. W. Mitchler. 2,708,331, Cl. 51—266.



- Schmank, Edward F., to Vulcan Corp. 2,702,394, Cl. 12—136.  
 Schmeer, Ann M. 2,706,861, Cl. 34—90.  
 Schmelitsch, Anton: *See—*  
   Moses, William J., and Schmelitsch. 2,702,714.  
 Schmelzle, Ambrose F.: *See—*  
   Aberé, Joseph F., Schmelzle, and Murray. 2,725,981.  
 Schmerling, Grigory: *See—*  
   Heymann, Erich, and Schmerling. 2,722,508.  
 Schmerling, Louis, to Universal Oil Products Co. 2,721,882, Cl. 260—612.  
 Schmerling, Louis, to Universal Oil Products Co. 2,727,931, Cl. 260—668.  
 Schmid, Byron C., to the United States of America as represented by the Solicitor of the Department of the Interior. 2,714,960, Cl. 209—227.  
 Schmid, Erwin F.: *See—*  
   Beck, Hans J., Ehn, Lohmiller, and Schmid. 2,703,261.  
 Schmid, Herman, and A. P. Hobush, to Incoro, Inc. 2,700,225, Cl. 34—45.  
 Schmid, John H., to J. A. Zurn Mfg. Co. 2,702,391, Cl. 4—252.  
 Schmid, John H., to J. A. Zurn Mfg. Co. 2,712,871, Cl. 210—168.  
 Schmid, Leopold, to Dr. Ing. h. c. F. Porsche K.-G. 2,716,355, Cl. 74—493.  
 Schmid, Leopold J., to Arthur H. Thomas Co. 2,708,562, Cl. 251—181.  
 Schmid, Max, and E. Moser, to Ciba Ltd. 2,700,037, Cl. 260—207.  
 Schmid, Maximilian J. 2,709,938, Cl. 81—15.  
 Schmid, Paul E., to Reed Roller Bit Co. 2,714,876, Cl. 121—87.  
 Schmidinger, Joseph. Re. 24,023, Cl. 200—114.  
 Schmidinger, Joseph. 2,715,187, Cl. 307—132.  
 Schmidlin, Albertus E., to Specialties Development Corp. 2,699,364, Cl. 308—5.  
 Schmidlin, Richard J., and F. A. Seames; said Seames assor. to said Schmidlin. 2,724,359, Cl. 116—114.  
 Schmidt, Adolf: *See—*  
   Fenner, Eckhard, and Schmidt. 2,718,605.  
 Schmidt, Alfred. 2,716,848, Cl. 51—187.  
 Schmidt, Arnold W., to Great Lakes Mills, Inc. 2,704,877, Cl. 26—15.  
 Schmidt, C., and Sons, Inc.: *See—*  
   Hipp, William A., and Jacobson. 2,722,452.  
 Schmidt, Constantin A. H. 2,702,847, Cl. 219—10.41.  
 Schmidt, Donald E.: *See—*  
   Maki, Edwin C., and Schmidt. 2,720,866.  
 Schmidt, Edgar H., to E. I. du Pont de Nemours & Co. 2,714,336, Cl. 90—15.  
 Schmidt, Edwin X., and C. W. Warner. 2,719,080, Cl. 48—184.  
 Schmidt, Ernst H. W. 2,706,890, Cl. 60—50.  
 Schmidt, Ethan R., to Union Oil Co. of California. 2,711,752, Cl. 137—253.  
 Schmidt, Ferdinand, and W. Eggersgluess. 2,716,086, Cl. 210—2.  
 Schmidt, Fred J., to American Steel Dredge Co. Inc. 2,711,148, Cl. 114—5.  
 Schmidt, Fred W., Jr., to Allen B. Du Mont Laboratories, Inc. 2,704,352, Cl. 336—30.  
 Schmidt, Fred W., Jr., to Allen B. Du Mont Laboratories, Inc. 2,709,219, Cl. 250—20.  
 Schmidt, Fred W., Jr., to Allen B. Du Mont Laboratories, Inc. 2,709,788, Cl. 333—70.  
 Schmidt, Fred W., Jr., to Allen B. Du Mont Laboratories, Inc. 2,721,260, Cl. 250—20.  
 Schmidt, Frederick W., to The A. C. Gilbert Co. 2,709,035, Cl. 230—117.  
 Schmidt, Fritz, to Farbenfabriken Bayer Aktiengesellschaft. 2,700,048, Cl. 260—439.  
 Schmidt, Gottfried J., to American Machine and Foundry Co. 2,711,318, Cl. 273—43.  
 Schmidt, Hans: *See—*  
   Behnisch, Robert, Mietzsch, and Schmidt. 2,719,161.  
 Schmidt, Harry P., to H. H. Heinrich, Inc., and Windmoeller & Hoelscher Co. 2,724,331, Cl. 101—216.  
 Schmidt, Henry N. 2,707,860, Cl. 56—327.  
 Schmidt, Hübert M., to International Standard Electric Corp. 2,710,346, Cl. 250—20.  
 Schmidt, James H.: *See—*  
   Reime, Bert N., Schmidt, and Walter. 2,701,440.  
 Schmidt, James T. 2,712,651, Cl. 2—132.  
 Schmidt, John A.: *See—*  
   Davidson, John T., and Schmidt. 2,700,334.  
 Schmidt, John B., and H. J. Hanson, to Farmgard Products Co. 2,717,160, Cl. 280—20.  
 Schmidt, Karl O. 2,719,402, Cl. 58—88.  
 Schmidt, Kenneth H. 2,709,251, Cl. 340—261.  
 Schmidt, Lawrence D., and J. H. Holden, to the United States of America as represented by the Secretary of the Interior. 2,710,232, Cl. 302—66.  
 Schmidt, Lewis W. 2,710,513, Cl. 55—106.  
 Schmidt, Lewis W. 2,718,108, Cl. 55—106.  
 Schmidt Lithograph Co.: *See—*  
   Schmidt, Morton, and Raynaud. 2,701,136.  
 Schmidt, Margaret A. M.: *See—*  
   Jänner, Rudolf. 2,700,126.  
 Schmidt, Maximilian P., to Azoplate Corp. 2,702,243, Cl. 95—8.  
 Schmidt, Morton, and L. F. Raynaud, to Schmidt Lithograph Co. 2,701,136, Cl. 271—62.  
 Schmidt, Ottmar E., to The Budd Co. 2,713,197, Cl. 29—432.  
 Schmidt, Paul: *See—*  
   Druey, Jean, and Schmidt. 2,706,197.  
 Schmidt, Paul, to Ciba Ltd. 2,719,167, Cl. 260—461.  
 Schmidt, Richard B. 2,725,646, Cl. 36—3.  
 Schmidt, Richard D. 2,725,656, Cl. 43—6.  
 Schmidt, Robert L.: *See—*  
   Grimes, David D., Bishop, and Schmidt. 2,703,478.  
   Nelsen, Marvin G., and Schmidt. 2,699,242.  
 Schmidt, Stephen. 2,703,085, Cl. 128—289.  
 Schmidt, Walter V. 2,715,848, Cl. 82—12.  
 Schmidt, Walter D.: *See—*  
   Brown, Russell H., and Schmidt. 2,727,854.  
 Schmidt, William E., to United States Steel Corp. 2,709,110, Cl. 299—63.  
 Schmidt, Willy A.: *See—*  
   Sprung, Joseph A., and Schmidt. 2,708,625.  
 Schmidtmann, Hans, to Koppers Co., Inc. 2,707,081, Cl. 241—266.  
 Schmied, Joseph M., to Dura-Crates, Inc. 2,722,684, Cl. 1—102.  
 Schmieding, Warren H. F. 2,723,658, Cl. 126—25.  
 Schmiede, George W. and H. F. 2,722,578, Cl. 200—61.88.  
 Schmiede, Herbert F.: *See—*  
   Schmiede, George W. and H. F. 2,722,578.  
 Schmier, Jacob, to Rodale Mfg. Co., Inc. 2,712,121, Cl. 339—157.  
 Schmier, Jacob, to Rodale Mfg. Co., Inc. 2,724,808, Cl. 339—76.  
 Schmitt, Arthur J., Foundation: *See—*  
   Klostermann, Curt W. 2,699,534.  
 Schmitt, Arthur J., Foundation, The: *See—*  
   Barrett, Edward L. 2,711,519.  
   Barrett, Edward L. 2,711,527.  
 Schmitt, Charles R., and S. H. Smiley, to the United States of America as represented by the United States Atomic Energy Commission. 2,706,676, Cl. 23—153.  
 Schmitt, Heinrich, to R. Wittich. 2,703,167, Cl. 197—186.  
 Schmitt, Heinz E., to the United States of America as represented by the Secretary of the Air Force. 2,704,434, Cl. 60—35.6.  
 Schmitt, Henry O., Jr., and G. B. Smith, to Eastman Kodak Co. 2,728,263, Cl. 88—17.  
 Schmitt, Howard J., to Laboratory Equipment Corp. 2,701,158, Cl. 292—251.5.  
 Schmitt, Leo A. 2,716,452, Cl. 164—112.  
 Schmitt, Otto H., to the United States of America as represented by the Secretary of War. 2,708,749, Cl. 343—6.8.  
 Schmitt, Otto H., to the United States of America as represented by the Secretary of the Navy. 2,713,661, Cl. 324—43.  
 Schmitt, Otto H., to the United States of America as represented by the Secretary of the Navy. 2,714,635, Cl. 179—171.  
 Schmitt, Otto H., to the United States of America as represented by the Secretary of the Navy. 2,715,207, Cl. 324—43.  
 Schmitt, Otto H., to the United States of America as represented by the Secretary of the Navy. 2,721,974, Cl. 324—43.  
 Schmitt, Otto H., and G. S. Dzwons, to the United States of America as represented by the Secretary of the Navy. 2,719,366, Cl. 35—25.  
 Schmitt, Page M., and S. M. Lauderdale. 2,708,057, Cl. 222—482.  
 Schmitt, Roland G., and V. K. Swedberg, to Walgreen Co. 2,728,570, Cl. 268—33.  
 Schmitt, William F., to Remington Rand Inc. 2,713,674, Cl. 340—167.  
 Schmitt, William F., to Remington Rand Inc. 2,713,675, Cl. 340—168.  
 Schmitt, William H., to The Rialto Corp. 2,700,339, Cl. 103—42.  
 Schmitter, Walter P.: *See—*  
   Falk, Louis W., and Schmitter. 2,703,735.  
 Schmitter, Walter P., to The Falk Corp. 2,708,416, Cl. 115—34.  
 Schmitter, Walter P., to The Falk Corp. 2,714,824, Cl. 74—606.  
 Schmitz, Adolf. 2,717,850, Cl. 167—22.  
 Schmitz, Frederick W., to Research Corp. 2,699,224, Cl. 183—7.  
 Schmitz, Harry. 2,720,715, Cl. 37—12.  
 Schmitz, Heinrich: *See—*  
   Grimme, Walter, Keil, and Schmitz. 2,701,796.  
 Schmitz, Howard E., to Shell Development Co. 2,713,558, Cl. 252—33.6.  
 Schmocker, Karl C., to Belmar Electric Corp. 2,714,637, Cl. 200—68.  
 Schmocker, Karl C., to Belmar Electric Corp. 2,714,638, Cl. 200—68.  
 Schmocker, Karl C., to Belmar Electric Corp. 2,714,639, Cl. 200—69.  
 Schmucker, Lester J., and J. J. Schumacher. 2,718,318, Cl. 214—140.  
 Schmuckler, Charles S.: *See—*  
   Gravert, William H. 2,724,249.  
 Schmutzler, Alfred F.: *See—*  
   Cadwell, Leonard E., and Schmutzler. 2,711,431.  
 Schnäkel, Hans, to "Peppy" Industries, Inc. 2,714,851, Cl. 101—329.  
 Schnall, Murray: *See—*  
   Murphy, Joseph E., and Schnall. 2,706,038.  
   Murphy, Joseph E., and Schnall. 2,708,027.  
   Murphy, Joseph E., and Schnall. 2,708,028.  
   Murphy, Joseph E., and Schnall. 2,712,383.



- Schnarz, Ernst, to Robert Bosch G. m. b. H. 2,699,507, Cl. 290—36.
- Schneck, Frederick W., to Bendix Aviation Corp. 2,722,233, Cl. 137—620.
- Schneekloth, Harry H., to Bell Telephone Laboratories, Inc. 2,721,897, Cl. 179—25.
- Schneid, Alfred F.: *See—*  
Pizzarello, Roy A., and Schneid. 2,727,044.
- Schneider, Abraham, to Sun Oil Co. 2,712,033, Cl. 260—671.
- Schneider, Abraham, to Sun Oil Co. 2,723,298, Cl. 260—666.
- Schneider, Allan K., to E. I. du Pont de Nemours & Co. 2,703,316, Cl. 260—78.3.
- Schneider Brothers Co.: *See—*  
Schneider, Heinrich. 2,715,876.
- Schneider, Charles. 2,713,690, Cl. 5—188.
- Schneider, Ernest W.: *See—*  
Barrett, Edward L. 2,711,519.  
Barrett, Edward L. 2,711,527.  
Klostermann, Curt W. 2,699,534.
- Schneider, Frank J., R. R. Reinhart, and R. E. Christian, to The Quaker Oats Co. 2,702,010, Cl. 107—4.
- Schneider, Fred B., to General Electric Co. 2,706,453, Cl. 105—199.
- Schneider, Fred B., and A. C. Siciliano, to General Electric Co. 2,713,967, Cl. 230—47.
- Schneider, Frederick C.: *See—*  
Long, Marion V., and Schneider. 2,707,440.
- Schneider, Frederick W.: *See—*  
McGhie, Russell P., and Schneider. 2,715,481.
- Schneider, Gebhard: *See—*  
Przybylski, Kurt, and Noé. 2,723,845.
- Schneider, Gilbert D., to Schneider Machine Co. 2,717,012, Cl. 144—162.
- Schneider, Hans P., to McGraw Electric Co. 2,709,736, Cl. 200—146.
- Schneider, Harold N., and J. A. Oppel, to General Electric Co. 2,724,749, Cl. 200—31.
- Schneider, Heinrich, to Schneider Brothers Co. 2,715,876, Cl. 105—62.
- Schneider, Helmuth F., to Radio Corp. of America. 2,707,249, Cl. 315—110.
- Schneider, Helmuth G.: *See—*  
Mann, Matthew D., Jr., and Schneider. 2,709,642.
- Schneider, John N., to C. J. Bates & Son. 2,713,937, Cl. 206—16.
- Schneider, Jos., & Co.: *See—*  
Klemt, Gunter. 2,699,700.
- Schneider, Julius L., to Continental Can Co., Inc. 2,719,564, Cl. 154—1.5.
- Schneider Machine Co.: *See—*  
Schneider, Gilbert D. 2,717,012.
- Schneider, Oscar K., to Air Comfort Co. 2,722,213, Cl. 126—110.
- Schneider, Ruth M. 2,706,817, Cl. 2—84.
- Schneider, Seymour. 2,705,963, Cl. 132—147.
- Schneider, Theodor, to Machine Tool Works Oerlikon, Administration Co. 2,708,803, Cl. 42—68.
- Schneider, Warren J. 2,709,245, Cl. 339—12.
- Schneider, William H.: *See—*  
Gartner, David, and Schneider. 2,711,904.
- Schneider, Edward J. 2,713,331, Cl. 122—233.
- Schnell, Ernst E.: *See—*  
Hyland, William A., and Schnell. 2,701,513.
- Schnell, Hermann, K. Hintzmann, and H. Rinke, to Farbenfabriken Bayer Aktiengesellschaft. 2,706,207, Cl. 260—615.
- Schnell, Steve, to Wagner Electric Corp. 2,712,367, Cl. 188—78.
- Schneller, Rudy F.: *See—*  
Mueller, Carl H., Rotter, and Schneller. 2,715,454.
- Schnellmann, Ferdinand, to Maschinenfabrik Meer Aktien-gesellschaft, and Societe Financiere d'Expansion Commerciale et Industrielle S. A. "SFINDEX." 2,726,871, Cl. 279—41.
- Schnellpressenfabrik Aktiengesellschaft Heidelberg: *See—*  
Büttner, Artur M. 2,705,455.
- Schnetzler, George W., Jr., and N. H. Unterborn, to Eastman Kodak Co. 2,704,641, Cl. 242—74.
- Schnittner, Sylvester B. 2,717,645, Cl. 166—156.
- Schnitzius, Homer D.: *See—*  
Farrell, Walter O., Schnitzius, and Ruschman. 2,725,848.
- Schnizer, Arthur W., and G. J. Fisher, to Celanese Corp. of America. 2,714,616, Cl. 260—606.
- Schnoebelen, Earl L., to Bear Mfg. Co. 2,717,640, Cl. 164—10.2.
- Schnorrenberg, Werner: *See—*  
Heyna, Johannes, Hensel, and Schnorrenberg. 2,728,762.
- Schnur, Friedrich, to Ruhrchemie Aktiengesellschaft. 2,719,032, Cl. 261—21.
- Schnurr, Myron J. 2,706,281, Cl. 339—65.
- Schobel, Peter: *See—*  
Stoecklin, Ernst, and Schobel. 2,702,295.
- Schöberle, Fritz. 2,715,176, Cl. 219—37.
- Schock, Richard U., to Abbott Laboratories. 2,718,488, Cl. 167—65.
- Schock, Richard U., L. R. Swett, and H. J. Glenn, to Abbott Laboratories. 2,714,597, Cl. 260—309.
- Schodeberg, Carl T. 2,712,254, Cl. 81—52.35.
- Schoeld, Edmund A., to Potash Co. of America. 2,703,646, Cl. 209—166.
- Schoelles, Harold J.: *See—*  
Little, John H., and Schoelles. 2,707,079.
- Schoen, Harvey. 2,716,785, Cl. 20—57.5.
- Schoen, Max G.: *See—*  
Mahlitz, Otto J. 2,700,420.
- Schoen, Roger W., and R. B. Tilney, to Alco Valve Co. 2,720,840, Cl. 103—46.
- Schoen, William, to Masonite Corp. 2,716,613, Cl. 106—163.
- Schoenauer, Wolfgang: *See—*  
Gutzwiller, Ernst, and Schoenauer. 2,714,596.
- Schoenberg, Andrew A.: *See—*  
Hastings, John V. III, and Schoenberg. 2,721,817.
- Schoeneberg, Carl, to Jay V. Zimmerman Co. 2,705,263, Cl. 179—114.
- Schoenfeld, David M., to Combustion Engineering, Inc. 2,700,353, Cl. 112—448.
- Schoenfeld, Earl H., to the United States of America as represented by the Secretary of the Army. 2,713,682, Cl. 343—103.
- Schoenfeld, Manus: *See—*  
Sandler, Leonard M. 2,704,182.
- Schoening, Alton L.: *See—*  
Campbell, Lee R., Ebert, Schoening, and Reiterman. 2,713,165.
- Schoenlaub, Robert A., to Zirconium Corp. of America. 2,721,115, Cl. 23—16.
- Schoenlaub, Robert A., to Sylvester Processes, Inc. 2,721,116, Cl. 23—16.
- Schoenlaub, Robert A., to Zirconium Corp. of America. 2,721,117, Cl. 23—16.
- Schoenlein, Lawrence J. 2,700,296, Cl. 72—41.
- Schoenoff, Waldemar P.: *See—*  
Bechard, Conrad E., and Schoenoff. 2,711,791.
- Schoenthaler, Edward P.: *See—*  
Richardson, Edward M. 2,711,280.
- Schoenwald, Alexander, to P. Wall Mfg. Co. 2,711,470, Cl. 219—26.
- Schoepe, Harry: *See—*  
Curtis, Myron S., and Schoepe. 2,712,140.
- Schoepe, Harry, to The Warner & Swasey Co. 2,701,477, Cl. 74—364.
- Schoepfel, John F., to Minneapolis-Honeywell Regulator Co. 2,715,709, Cl. 318—489.
- Schoepfel, John F., S. L. Varner, and J. R. Andres, to Lear Inc. 2,720,569, Cl. 200—152.
- Schoerner, Rudolph T.: *See—*  
Hencken, Harold G., and Schoerner. 2,713,973.
- Schoerner, Rudolph T., to Taco Heaters, Inc. 2,721,706, Cl. 237—8.
- Schoessow, Glen J.: *See—*  
Langvand, Ivar L., Schoessow, and Brooks. 2,698,610.
- Schoessow, Glen J., to The Babcock & Wilcox Co. 2,704,999, Cl. 122—6.5.
- Schoessow, Glen J., O. R. Carpenter, and N. G. Qvarfordt, to The Babcock & Wilcox Co. 2,705,574, Cl. 220—25.
- Schoffman, Milton: *See—*  
MacKenzie, Charles A., Spialter, and Schoffman. 2,721,873.
- Schofield, Frank E.: *See—*  
Wiglesworth, Victor T. 2,702,959.  
Wiglesworth, Victor T. 2,724,204.
- Schofield, Fred B., and A. Sutcliffe, to T. M. M. (Research) Ltd. 2,709,457, Cl. 139—21.
- Schofield, James S.: *See—*  
Miller, William S., and Schofield. 2,711,971.
- Schofield, Raymond J., to Standard-Vacuum Oil Co. 2,727,997, Cl. 250—218.
- Schofield, Wilfred C., and A. J. Whitcomb, to Koppers Co., Inc. 2,717,759, Cl. 251—130.
- Schoij, Edgar: *See—*  
Wallenberg, Ned L., Attwood, and Schoij. 2,704,042.
- Scholberg, Harold M.: *See—*  
Brice, Thomas J., Pearlson, and Scholberg. 2,713,593.
- Scholberg, Harold M., and H. G. Bryce, to Minnesota Mining & Mfg. Co. 2,717,871, Cl. 204—59.
- Scholfield, Bette J., to Jantzen Inc. 2,700,160, Cl. 2—67.
- Scholfield, Charles R., and H. J. Dutton, to the United States of America as represented by the Secretary of Agriculture. 2,727,046, Cl. 260—403.
- Scholl, Bernhard, to Zimmermann & Jansen. 2,702,178, Cl. 251—159.
- Scholl, Helen I.: *See—*  
Long, Loren M., and Scholl. 2,698,850.  
Long, Loren M., and Scholl. 2,698,851.
- Scholl Mfg. Co., Inc.: *See—*  
Digate, James S. 2,711,166.  
Hanington, Charles A. 2,702,544.  
Scholl, William H. 2,715,903.
- Scholl, William H., to The Scholl Mfg. Co., Inc. 2,715,903, Cl. 128—157.
- Scholl, William M. 2,712,311, Cl. 128—153.
- Scholl, William M. 2,716,625, Cl. 154—79.
- Schollenberger, Charles S., to The B. F. Goodrich Co. 2,722,550, Cl. 260—553.
- Scholler Brothers, Inc.: *See—*  
Koons, Lloyd O., and Dreby. 2,702,737.
- Scholtz, Arthur P., to National Can Corp. 2,712,390, Cl. 214—307.
- Scholven-Chemie Aktiengesellschaft: *See—*  
Urban, Wilhelm, and Stärker. 2,701,267.



- Scholz, Caesar R.: *See*—  
 Huebner, Charles F., and Scholz. 2,702,821.  
 Huebner, Charles F., and Scholz. 2,703,815.  
 Huebner, Charles F., and Scholz. 2,714,613.  
 Werner, Lincoln H., and Scholz. 2,705,716.
- Schomers, William H. 2,700,427, Cl. 180—3.
- Schonitzer, Rudolph I.: *See*—  
 Allen, Edwin L. 2,705,165.
- Schonitzer, Rudolph I., and E. L. Allen; said Allen assor. to said Schonitzer. 2,723,872, Cl. 292—216.
- Schonstedt, Erick O., to the United States of America as represented by the Secretary of the Navy. 2,724,250, Cl. 64—15.
- Schoonover, Carl F., to United States Steel Corp. 2,712,724, Cl. 57—23.
- Schoonover, Paul L., to Monolith Portland Cement Co. 2,702,218, Cl. 308—204.
- Schoppee, Lawrence W., to Package Machinery Co. 2,727,345, Cl. 53—154.
- Schordine, Fred J. 2,713,249, Cl. 62—4.
- Schori, Ernst, to J. W. Edwards. 2,707,989, Cl. 158—53.
- Schori Metallising Process Ltd.: *See*—  
 Jones, William D., and Dickinson. 2,726,118.
- Schörner, Christian, to Maschinenfabrik Augsburg-Nürnberg A. G. 2,715,011, Cl. 253—77.
- Schörnig, Ludwig: *See*—  
 Ehrhart, Gustav, Ruschig, Stein, Aumuller, Oepfinger, and Schörnig. 2,699,439.
- Schorsch, Ludwig, and H. G. F. Mayer. 2,725,599, Cl. 19—65.
- Schotsch, Michael, 33½ to J. Bloos. 2,698,487, Cl. 33—197.
- Schott, Lawrence A., to Schott Transmission Co. 2,706,384, Cl. 60—53.
- Schott, Stuart: *See*—  
 Ely, Charles M., and Schott. 2,717,209.
- Schott Transmission Co.: *See*—  
 Schott, Lawrence A. 2,706,384.
- Schottler, Henry. 2,707,108, Cl. 279—54.
- Schottler, Henry, to Roller Gear Co., Inc. 2,711,655, Cl. 74—459.
- Schou, Carl E. 2,720,796, Cl. 74—711.
- Schowalter, Clarence H., to Fairbanks, Morse & Co. 2,724,372, Cl. 123—65.
- Schrader, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. 2,701,259, Cl. 260—461.
- Schrader, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. 2,712,026, Cl. 260—349.
- Schrader, Goetz. 2,722,872, Cl. 95—31.
- Schrader, Louis J. 2,700,238, Cl. 43—17.
- Schrader, Milford J., to Gibson Refrigerator Co. 2,724,628, Cl. 312—270.
- Schram, Leo B. 2,721,810, Cl. 117—45.
- Schramm, Arthur G. 2,706,009, Cl. 180—41.
- Schramm, Ella. 2,706,019, Cl. 188—122.
- Schramm, Harry B.: *See*—  
 Wilhoit, Lowell M., Schramm, and Otis. 2,726,723.  
 Wilhoit, Lowell M., Schramm, and Otis. 2,726,724.
- Schramm, Jack N.: *See*—  
 Green, Rudolph C. 2,718,696.
- Schramm, Rudolph C. 2,710,905, Cl. 219—19.
- Schramm, Rudolph C. 2,712,051, Cl. 219—19.
- Schraub, Willi, to Scharmann & Co., G. m. b. H. 2,699,694, Cl. 77—3.
- Schraufstaetter, Ernst, and G. T. Domagk, to Schenley Industries, Inc. 2,710,881, Cl. 260—554.
- Schreiber, Fred H.: *See*—  
 Mangilo, Girolamo, and Schreiber. 2,719,365.
- Schreiber, L. D., & Co., Inc.: *See*—  
 Bush, Robert G., and Hannon. 2,711,585.
- Schreiber, Otmar P., to Metal Textile Corp. 2,727,084, Cl. 174—35.
- Schreiber, Ralph B., to Northrop Aircraft, Inc. 2,713,467, Cl. 244—138.
- Schreiber, William: *See*—  
 Clarke, Edgar W., Schreiber, and Kneeland. 2,713,034.
- Schreiner, Edmund D.: *See*—  
 Welsh, Herbert F., Schreiner, Mock, and Eckert. 2,708,554.
- Schreiner, George A.: *See*—  
 Clueet, Sanford L., and Schreiner. 2,721,370.
- Schreiner, Warren A.: *See*—  
 Beck, Kenneth H., and Schreiner. 2,705,321.
- Schremp, Frederick W.: *See*—  
 Dreher, Elmer H., and Schremp. 2,707,545.
- Schremp, Frederick W., and R. E. Seymour, to Sperry Rand Corp. 2,714,948, Cl. 197—17.
- Schreur, Jan, and J. H. van Wageningen, to Hartford National Bank and Trust Co., trustee. 2,714,158, Cl. 250—20.
- Schreyer, Edward P. 2,699,004, Cl. 38—77.
- Schreyer, Edward P. 2,701,424, Cl. 38—77.
- Schrickel, Herman H., Jr.: *See*—  
 Hopkins, Lloyd C., Schrickel, and Wainwright. 2,699,013.
- Schriner, John E.: *See*—  
 Meyers, George L., Shutt, and Schriner. 2,705,041.
- Schrock, Ella J. 2,718,091, Cl. 46—13.
- Schröder, Hubert, to Fish-Schurman Corp. 2,700,323, Cl. 88—105.
- Schroder, Willi, to International Standard Electric Corp. 2,709,555, Cl. 243—38.
- Schroeder, Alfred C., to Radio Corp. of America. 2,717,276, Cl. 178—54.
- Schroeder, Alfred C., to Radio Corp. of America. 2,725,530, Cl. 332—11.
- Schroeder, Bernard A.: *See*—  
 Fleischmann, Lester K., and Schroeder. 2,725,968.
- Schroeder, Carl J., to Standard Oil Co. 2,701,047, Cl. 198—43.
- Schroeder, Charles S. to The Yale & Towne Mfg. Co. 2,714,040, Cl. 301—13.
- Schroeder, Charles S., to The Jacobs Bros. Co. Inc. 2,719,669, Cl. 235—1.
- Schroeder, Edward L.: *See*—  
 Schroeder, Henry D. and E. L. 2,722,247.
- Schroeder, Eimon E., to Clinton Foods Inc. 2,710,565, Cl. 93—37.
- Schroeder, Errol A.: *See*—  
 Lincoln, Clovis W., Schroeder, and Malone. 2,728,825.
- Schroeder, George W., to General Electric Co. 2,715,673, Cl. 219—43.
- Schroeder, George W., to General Electric Co. 2,716,694, Cl. 219—1055.
- Schroeder, Gordon F. 2,718,384, Cl. 259—9.
- Schroeder, Henry, to Combustion Engineering, Inc. 2,725,042, Cl. 122—235.
- Schroeder, Henry D. and E. L. 2,722,247, Cl. 143—174.
- Schroeder, John A., and K. J. Glasmann, to Paxton Mitchell Co. 2,712,320, Cl. 134—123.
- Schroeder, John W. 2,716,492, Cl. 210—178.
- Schroeder, Lloyd E., to McDonnell Aircraft Corp. 2,705,046, Cl. 158—36.
- Schroeder, Louis H., and J. Wagner, to Dixie Container Corp. 2,710,134, Cl. 229—37.
- Schroeder, Simon E. 2,703,989, Cl. 74—472.
- Schroeder, Simon E. 2,714,362, Cl. 115—18.
- Schroeder, Simon E., to Clinton Foods Inc. 2,723,602, Cl. 93—37.
- Schroeder, William, to Schenley Industries, Inc. 2,710,862, Cl. 260—239.
- Schroepfel, Paul R., to J. I. Case Co. 2,709,328, Cl. 56—25.
- Schroon, Christy, to Jergens Tool Specialty Co. 2,707,419, Cl. 90—59.
- Schroter, Edward, to R. J. Samuels. 2,712,369, Cl. 192—4.
- Schroter, Edward, to R. J. Samuels. 2,712,448, Cl. 274—4.
- Schrum, Donald J., to Studebaker-Packard Corp. 2,714,034, Cl. 296—44.
- Schubert, Arthur, to Miag Muehlenbau und Industrie G. m. b. H. 2,701,623, Cl. 183—46.
- Schubert, Bernhard, to Kurt Korber & Co. K. G. 2,714,384, Cl. 131—94.
- Schubert, Homer M. 2,713,944, Cl. 209—108.
- Schubert, Jack, to the United States of America as represented by the United States Atomic Energy Commission. 2,717,696, Cl. 210—42.5.
- Schubert, Max: *See*—  
 Zerweck, Werner, Honold, and Schubert. 2,727,894.
- Schubert, William: *See*—  
 Dunbar, James Y., Schubert, and Hussey. 2,709,891.
- Schuck, Oscar H., to Minneapolis-Honeywell Regulator Co. 2,701,111, Cl. 244—77.
- Schuck, Oscar H., to Minneapolis-Honeywell Regulator Co. 2,715,703, Cl. 318—28.
- Schuck, Oscar H., and R. C. Alderson, to Minneapolis-Honeywell Regulator Co. 2,723,089, Cl. 244—77.
- Schuessler, Carlos F., to the United States of America as represented by the Secretary of the Army. 2,702,072, Cl. 155—26.
- Schuetter, John A., to Invincible Metal Furniture Co. 2,726,915, Cl. 312—337.
- Schuldt, Donald A., to Donaldson Co., Inc. 2,717,659, Cl. 183—69.
- Schuldt, Herbert H., to Schwitzer-Cummins Co. 2,716,904, Cl. 74—574.
- Schulein, Joseph. 2,710,772, Cl. 296—91.
- Schulenburg, Edward J. 2,722,145, Cl. 81—9.51.
- Schulenburg, Wilhelm, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. 2,713,008, Cl. 117—138.5.
- Schuler, Albert E., and R. Beichel, to the United State of America as represented by the Secretary of the Army. 2,710,537, Cl. 73—3.
- Schüler, Ernst. 2,711,489, Cl. 307—132.
- Schuler, L. A. G.: *See*—  
 Keck, Karl. 2,728,431.  
 Ott, Josef. 2,727,573.  
 Sulger, Jakob. 2,700,450.  
 Tröndle, Alois. 2,714,412.
- Schuler, Otto R.: *See*—  
 Andrews, Joseph W., and Schuler. 2,717,072.
- Schuler, Otto R., to Calumet & Hecla, Inc. 2,713,941, Cl. 207—3.
- Schulmerich Electronics, Inc.: *See*—  
 Leach, Herbert L. 2,708,337.
- Schulte, Charles E. 2,705,987, Cl. 150—12.
- Schulte, Charles E. 2,705,988, Cl. 150—12.
- Schulte, Fritz deceased; W. H. Caldwell, administrator, to T. D. Bowes. 2,715,528, Cl. 264—8.
- Schulte, John A. 2,716,853, Cl. 55—84.
- Schulte, John A. 2,717,480, Cl. 55—84.
- Schulte, Louis G. 2,726,868, Cl. 273—86.
- Schulte, Louis G. 2,726,869, Cl. 273—86.
- Schultz, Abraham Y. 2,707,048, Cl. 206—46.
- Schultz, Abraham Y. 2,724,849, Cl. 15—123.
- Schultz, Alfred S., and F. R. Swift, to Standard Brands Inc. 2,717,837, Cl. 99—96.
- Schultz, Arthur D.: *See*—  
 Schwendler, Frederick C., and Schultz. 2,721,000.
- Schultz, Arthur G. 2,706,333, Cl. 32—26.
- Schultz, Charles C. 2,728,458, Cl. 210—148.



- Schultz Die Casting Co.: *See*—  
Holmes, Burton F., and Heindel. 2,700,737.
- Schultz, Everett M.: *See*—  
Sprague, James M., and Schultze. 2,717,895.
- Schultz, Everett M., to Merck & Co., Inc. 2,703,329, Cl. 260—465.
- Schultz, Frank R. 2,721,340, Cl. 7—8.1.
- Schultz, George E., to R. C. S. Engineering Corp. 2,714,026, Cl. 287—2.
- Schultz, George E., to RCS Engineering Corp. 2,722,244, Cl. 143—156.
- Schultz, Henry J., and M. Orton. 2,711,446, Cl. 179—100.41.
- Schultz, Henry J., and M. Orton. 2,711,447, Cl. 179—100.41.
- Schultz, Herman J.: *See*—  
Bothof, Charles L., Schultz, and Freedman. 2,719,481.
- Schultz, Howard A. 2,721,004, Cl. 222—92.
- Schultz, Howard L., to the United States of America as represented by the Secretary of the Navy. 2,720,592, Cl. 250—36.
- Schultz, Joseph. 2,704,392, Cl. 29—113.
- Schultz, Joseph. 2,708,874, Cl. 101—148.
- Schultz, L. H., Mfg. Co.: *See*—  
Hamaker, Russell A. 2,702,631.
- Schultz, Marion E. 2,719,304, Cl. 4—57.
- Schultz, Matthew J., to Steelman, Inc. 2,708,954, Cl. 144—288.
- Schultz, Roy M., to Pontiac Engraving & Electrotype Co. 2,714,337, Cl. 90—19.
- Schultz, Vernon A. 2,711,083, Cl. 62—89.6.
- Schultz, William L.: *See*—  
Piker, Herbert M., and Schultze. 2,717,469.
- Schultze, John E., to National Distillers Products Corp. 2,721,120, Cl. 44—7.
- Schultze, Kurt, to E. Lindner, born Pfeiffer. 2,722,212, Cl. 125—11.
- Schultze, Kurt H., to E. Lindner, born Pfeiffer. 2,705,946, Cl. 125—11.
- Schulz, Alfred, and J. Wuensch, to Einson-Freeman Co., Inc. 2,723,820, Cl. 248—174.
- Schulz, Heinrich A. O. 2,724,128, Cl. 5—135.
- Schulz, Henry E.: *See*—  
Schulz, William H., Jr., Schulz, and Richardson. 2,722,541.
- Schulz, Hermann F. 2,719,591, Cl. 170—135.22.
- Schulz, Robert G.: *See*—  
Schulz, William C. 2,728,394.
- Schulz Tool and Mfg. Co.: *See*—  
Mosher, James K. 2,699,316.
- Schulz, William C., to R. G. Schulz. 2,728,394, Cl. 164—90.
- Schulz, William E., to E. I. du Pont de Nemours and Co. 2,719,153, Cl. 260—248.
- Schulz, William H., Jr. and H. E. Schulz, and W. W. Richardson; said W. H. Schulz, Jr., and said W. W. Richardson assors. to said H. E. Schulz. 2,722,541, Cl. 260—484.
- Schulze and Burch Biscuit Co.: *See*—  
Fay, Rudolph J. 2,713,833.
- Schulze, James W. 2,724,986, Cl. 81—17.4.
- Schulze, Reinhart: *See*—  
Weissenberg, Gustav, Schulze, and Schlögl. 2,713,635.
- Schulze, Walter A., to Phillips Petroleum Co. 2,706,184, Cl. 260—27.
- Schulze, Walter A., and W. W. Crouch, to Phillips Petroleum Co. 2,721,185, Cl. 260—5.
- Schulze, William G., to Damrow Brothers Co. 2,705,965, Cl. 134—49.
- Schumacher, Erwin A.: *See*—  
Fisher, Charles R., Southworth, Jr., Schumacher, and Bennett. 2,724,010.
- Schumacher, Frank A., to General Electric Co. 2,721,451, Cl. 62—103.
- Schumacher, Frank A., to General Electric Co. 2,728,198, Cl. 62—4.
- Schumacher, Jack. 2,721,490, Cl. 81—15.8.
- Schumacher, James J.: *See*—  
Schmucker, Lester J., and Schumacher. 2,718,318.
- Schumacher, Otto, to International Business Machines Corp. 2,720,641, Cl. 340—310.
- Schumacher, William H. 2,718,838, Cl. 97—227.
- Schumacher, William W., to Miller Stamping Co. 2,708,606, Cl. 304—40.
- Schuman, Donald O. 2,724,911, Cl. 35—35.
- Schuman, Ralph H., to The Warner & Swasey Co. 2,706,544, Cl. 192—3.5.
- Schuman, Seymour C.: *See*—  
Johnson, Clarence A., and Schuman. 2,707,698.
- Johnson, Clarence A., and Schuman. 2,707,699.
- Schumann, George E., to Henry J. Kaiser Co. 2,706,538, Cl. 189—1.
- Schumann, Herbert: *See*—  
Benink, Christian J. M., Bungert, Clauss, Meissler, Schumann, and Schuster. 2,704,526.
- Schumann, William, to Diamond Hosiery Corp. 2,715,762, Cl. 28—76.
- Schuppert, Franz J.: *See*—  
Dönges, Hans, and Schuppert. 2,699,347.
- Schur, Milton O., to Ecusta Paper Corp. 2,699,208, Cl. 164—99.
- Schurr, Charles A., to The Electric Controller & Mfg. Co. 2,719,966, Cl. 340—253.
- Schustack, Edward H. 2,713,352, Cl. 138—99.
- Schuster, Alfred: *See*—  
Benink, Christian J. M., Bungert, Clauss, Meissler, Schumann, and Schuster. 2,704,526.
- Schuster, Harry E.: *See*—  
Sen, William J., and Schuster. 2,716,203.
- Schuster, Helen L.: *See*—  
Muza, Leo J. 2,703,918.
- Schuster, Isidoro V. 2,718,252, Cl. 151—8.
- Schuster, Nick A., to Schlumberger Well Surveying Corp. 2,723,375, Cl. 324—6.
- Schuszler, Aloysius. 2,717,030, Cl. 155—188.
- Schutt, Friedrich J., and J. B. Day, to Remington Rand Inc. 2,702,629, Cl. 209—110.
- Schütte, Alfred E., to Societe d'Etudes de Machines Thermiques. 2,708,547, Cl. 230—116.
- Schutte, August H., to The Lummus Co. 2,698,740, Cl. 259—113.
- Schutte, August H., to The Lummus Co. 2,701,788, Cl. 202—14.
- Schutte, August H., to Union Oil Co. of California. 2,703,732, Cl. 302—17.
- Schutte, Charles W. 2,716,305, Cl. 43—131.
- Schutte, Henry G.: *See*—  
Watson, Albert T., Schutze, and Asselin. 2,728,716.
- Schuyler, Irving M.: *See*—  
Glick, Jack, and Schuyler. 2,718,009.
- Schwab, Robert P. 2,699,109, Cl. 100—234.
- Schwaderer, George J., Jr., and J. E. Tucker. 2,709,293, Cl. 27—21.
- Schwaibold, Edgar K., to Star Watch Case Co. 2,702,451, Cl. 59—80.
- Schwaiger, Leo. 2,713,803, Cl. 81—90.
- Schwaiger, Leo. 2,723,581, Cl. 81—90.
- Schwalbach, Karl: *See*—  
Muller, Heinrich, and Schwalbach. 2,716,387.
- Schwalbe, Arnold. 2,715,519, Cl. 259—135.
- Schwalbe, Hellmuth C., R. C. Hydell, and J. J. O'Connor, to The Mead Corp. 2,700,621, Cl. 117—65.
- Schwaller, Bernard L.: *See*—  
Blackford, Raymond H., von Kokeritz, and Schwaller. 2,710,023.
- Schwammberger, Elsa. 2,723,920, Cl. 117—36.
- Schwan, Clarence F., to The Ohio Crankshaft Co. 2,704,693, Cl. 308—22.
- Schwander, Hans R., to E. I. du Pont de Nemours and Co. 2,719,146, Cl. 260—117.
- Schwaneke, Fred C.: *See*—  
Braski, Raymond J., and Schwaneke. 2,725,460.
- Lipsich, Maurice L., and Schwaneke. 2,710,906.
- Schwaneke, Fred C., to Dormeyer Corp. 2,707,623, Cl. 259—135.
- Schwartz, Harry F., to American Car and Foundry Co. 2,719,899, Cl. 219—8.
- Schwartz, Alfred A., Jr., to Hazeltine Research, Inc. 2,703,389, Cl. 333—29.
- Schwartz, Anthony M., to Commercial Solvents Corp. 2,703,798, Cl. 260—211.
- Schwartz, Anthony M., to Commercial Solvents Corp. 2,717,894, Cl. 260—211.
- Schwartz, Bernard: *See*—  
Schwartz, Saul, R., and B. 2,720,713.
- Schwartz, Charles F., Sr. 2,723,481, Cl. 43—7.
- Schwartz, David L. 2,721,027, Cl. 230—160.
- Schwartz, Ernie E.: *See*—  
Kronheim, Jacob. 2,698,648.
- Schwartz, Eugene J., to Kraft Foods Co. 2,710,105, Cl. 214—83.24.
- Schwartz, Harold G., to E. I. du Pont de Nemours and Co. 2,713,884, Cl. 152—330.
- Schwartz, Harold H., and J. S. Tucker, to Empire Brushes, Inc. 2,716,768, Cl. 15—119.
- Schwartz, Jack. 2,723,096, Cl. 248—31.
- Schwartz, Jacob D. 2,708,314, Cl. 32—2.
- Schwartz, Joseph E.: *See*—  
Thomas, John J., Schwartz, and Clapp. 2,718,895.
- Schwartz, Leo. 2,709,413, Cl. 112—214.
- Schwartz, Marcus, to S. & S. Industries, Inc. 2,705,800, Cl. 2—42.
- Schwartz, Martin W.: *See*—  
Marks, Max J. 2,706,266.
- Schwartz, Morris, and W. Castedello, to The Kalart Co. Inc. 2,701,500, Cl. 88—24.
- Schwartz, Morris, and W. Castedello, to The Kalart Co. Inc. 2,721,929, Cl. 240—1.3.
- Schwartz, Morris A., and G. P. Beck, to Johnson & Johnson. 2,698,694, Cl. 214—7.
- Schwartz, Morris A., and K. E. Nothnagle, to Johnson & Johnson. 2,718,142, Cl. 73—100.
- Schwartz, Morris P.: *See*—  
Feigin, Robert, and Schwartz. 2,721,824.
- Schwartz, Raymond: *See*—  
Schwartz, Saul, R., and B. 2,720,713.
- Schwartz, Russell P., and A. L. Heath. 2,716,294, Cl. 36—8.5.
- Schwartz, Samuel M., and D. Gross, to Ververay Corp. 2,715,585, Cl. 117—17.
- Schwartz, Saul, R., and B. 2,720,713, Cl. 36—1.
- Schwartz, Willie C. 2,707,452, Cl. 116—118.
- Schwartzwalder, Karl, and R. W. Smith, to General Motors Corp. 2,717,438, Cl. 29—25.12.
- Schwarz, Bertram A., and M. G. Wright, to General Motors Corp. 2,701,330, Cl. 318—127.
- Schwarz, Erich G. K., to the United States of America as represented by the Secretary of the Army. 2,715,684, Cl. 250—71.
- Schwarz, Eugene A., to The Squier Corp. 2,704,022, Cl. 100—163.



- Schwarz, Eugene A., to The Squier Corp. 2,704,023, Cl. 100—166.
- Schwarz, Eugene A., to The Squier Corp. 2,708,399, Cl. 100—163.
- Schwarz, Hans G., to Avco Mfg. Corp. 2,712,092, Cl. 315—27.
- Schwarz, Herbert F., to The Sherwin-Williams Co. 2,707,707, Cl. 260—25.
- Schwarz, Johannes. 2,716,080, Cl. 148—12.
- Schwarz, Joseph A., to Birtman Electric Co. 2,716,253, Cl. 15—323.
- Schwarz Laboratories, Inc.: *See—*
- Laufer, Louis, Reed, and Gutcho. 2,702,799.
- Schwarz, Walter J.: *See—*
- Jobbins, Howell S., and Schwarz. 2,716,619.
- Schwarzer, Fred: *See—*
- Zern, Charles B., and Schwarzer. 2,698,484.
- Schweda, Albert M.: *See—*
- Peterson, Albert C., and Schweda. 2,712,805.
- Schweda, Albert M., and R. A. Wiedemann, to Union Special Machine Co. 2,712,803, Cl. 112—235.
- Schwede, Otto G. 2,722,862, Cl. 88—1.
- Schweich, Edward F., to Lewin-Mathes Co. 2,724,538, Cl. 229—23.
- Schweich, Edward F., S. A. Silverstein, and J. W. Goldenberg, to Lewin-Mathes Co. 2,716,482, Cl. 205—3.
- Schweig, Jacques. 2,714,477, Cl. 223—18.
- Schweiger, Karl, J. Leuser, and P. Meyer, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler and Gebrüder Schweiger. 2,699,148, Cl. 120—42.4.
- Schweikert, Ernest. 2,717,753, Cl. 248—106.
- Schweikert, John W., to General Electric Co. 2,705,208, Cl. 154—44.
- Schweisthal, Frederick G., to Stewart-Warner Corp. 2,699,120, Cl. 103—48.
- Schweisthal, Frederick G., to Stewart-Warner Corp. 2,707,456, Cl. 121—134.
- Schweitzer, E. O., Mfg. Co., Inc.: *See—*
- Schweitzer, Edmund O., Jr. 2,724,821.
- Schweitzer, Edmund O., Jr., to E. O. Schweitzer Mfg. Co., Inc. 2,724,821, Cl. 340—201.
- Schweitzer, Francis E., to E. I. du Pont de Nemours and Co. 2,719,132, Cl. 260—17.
- Schweitzer, Louis, to Motor Products Corp. 2,718,664, Cl. 18—30.
- Schweiz. Sprengstoff-Fabrik A.-G.: *See—*
- Kern, Emil. 2,726,151.
- Schweizerische Lokomotiv- und Maschinenfabrik: *See—*
- Borgeaud, Gaston. 2,724,346.
- Kistler, Walter P. 2,703,848.
- Sonderegger, Konrad. 2,699,358.
- Schweller, Edmund F., to General Motors Corp. 2,720,762, Cl. 62—126.
- Schwemmer, Albert, W. K. McGinty, and R. A. Busheott, to Thomas Industries Inc. 2,717,955, Cl. 240—78.
- Schwendler, Frederick C.: *See—*
- Gamundi, Reynold F., Pipes, and Schwendler. 2,720,999.
- Schwendler, Frederick C., and A. D. Schultz, to Eaton Mfg. Co. 2,721,000, Cl. 220—44.
- Schwengel, Harold W., to Modern Equipment Co. 2,701,066, Cl. 214—19.
- Schwengel, Harold W., to Modern Equipment Co. 2,704,610, Cl. 214—19.
- Schwenker, Eric H., and M. H. Scott, to International Harvester Co. 2,720,683, Cl. 20—35.
- Schwennessen, Donald O., to Chicago Standard Transformer Corp. 2,713,667, Cl. 336—183.
- Schwenzfeier, Carl W., Jr., to the United States of America as represented by the United States Atomic Energy Commission. 2,708,618, Cl. 23—88.
- Schwenzfeier, Otto K. 2,716,216, Cl. 324—133.
- Schwerak, Joseph J. 2,718,035, Cl. 20—12.
- Schwersinske, Carl. 2,725,576, Cl. 4—149.
- Schwesinger, Gerhard. 2,704,484, Cl. 88—24.
- Schwindt, Jack: *See—*
- Schwindt, Jackson T. and J. 2,704,495.
- Schwindt, Jackson T. and J. 2,704,495, Cl. 97—47.5.
- Schwinger, Abram. 2,718,844, Cl. 99—298.
- Schwitzer-Cummins Co.: *See—*
- Beier, Kurt A. 2,702,087.
- Hardy, James A. 2,716,946.
- Schuldt, Herbert H. 2,716,904.
- Schwyn, Raymond E.: *See—*
- Kernen, Kenneth C., Mitchel, and Schwyn. 2,711,520.
- Kernen, Kenneth C., Mitchel, and Schwyn. 2,719,278.
- Mitchel, Ralph H., and Schwyn. 2,720,603.
- Mitchel, Ralph H., and Schwyn. 2,720,604.
- Sciaky, David, to Welding Research, Inc. 2,721,922, Cl. 219—6.
- Sciaky, David, to Welding Research, Inc. 2,728,046, Cl. 323—58.
- Scinta, Anthony C.: *See—*
- Oishei, John R., and Scinta. 2,700,785.
- Oishei, John R., and Scinta. 2,727,271.
- Scintilla Ltd.: *See—*
- Buchmann, Albin. 2,714,673.
- Seivally, Bernice M. 2,710,657, Cl. 166—173.
- Seofield, Donald W., to Philco Corp. 2,727,133, Cl. 219—37.
- Seofield, Donald W., and H. W. Schaefer, to Philco Corp. 2,702,848, Cl. 219—37.
- Seofield, Thomas E.: *See—*
- Crank, Harold R. 2,713,302.
- Scolaro, Anthony M.: *See—*
- Legg, Lawrence E., and Scolaro. 2,709,764.
- Scoles, George W., to The Dow Chemical Co. 2,700,678, Cl. 260—501.
- Sconce, James S.: *See—*
- Smith, Keith J., and Sconce. 2,699,455.
- Scone, John P., to Barber-Colman Co. 2,714,838, Cl. 90—4.
- Scopicon, Inc.: *See—*
- Ferrari, Andrés, Jr. 2,727,435.
- Scorgie, Donald G. 2,719,260, Cl. 322—25.
- Scott, Allan G.: *See—*
- Armstrong, Daniel A., Raleigh, and Scott. 2,713,858.
- Scott, Alton: *See—*
- Davis, William E., and A. and O. W. Scott. 2,715,968.
- Scott-Atwater Mfg. Co., Inc.: *See—*
- Armstrong, Daniel A. 2,702,517.
- Armstrong, Daniel A., Raleigh, and Scott. 2,713,858.
- Chandler, Darwin C. 2,709,994.
- Snyder, Merton F. 2,712,792.
- Scott, Charles W. F., and N. G. Gustafson. 2,706,436, Cl. 95—73.
- Scott, Clarence H. 2,699,215, Cl. 168—24.
- Scott, Cleveland R., to Phillips Petroleum Co. 2,714,114, Cl. 260—425.
- Scott, Don O.: *See—*
- Foster, Edwin E. 2,725,868.
- Scott, Earl D. 2,709,803, Cl. 340—353.
- Scott, Earl S., to Renuzit Home Products Co. 2,708,764, Cl. 15—223.
- Scott, Edward C., to Western Electric Co., Inc. 2,701,043, Cl. 192—129.
- Scott, Elmer J., to the United States of America as represented by the Secretary of the Navy. 2,725,540, Cl. 339—5.
- Scott, Elmer T., to Reed Rolled Thread Die Co. 2,704,950, Cl. 80—6.
- Scott, Floyd L., Jr.: *See—*
- Potts, Ernest L., and Scott. 2,704,090.
- Scott, George P. 2,719,607, Cl. 187—14.
- Scott, Harold E. B., to Vickers Ltd. 2,724,999, Cl. 92—74.
- Scott, Harry A., and J. J. Ferguson, to Continental Can Co. Inc. 2,727,719, Cl. 254—131.
- Scott, James H., J. W. Valentine, and W. Gross, to the United States of America as represented by the United States Atomic Energy Commission. 2,713,677, Cl. 340—174.
- Scott, James J., to Bound Brook Oil-Less Bearing Co. 2,700,579, Cl. 308—121.
- Scott, John W., Jr., to California Research Corp. 2,710,828, Cl. 202—6.
- Scott, Joseph C. 2,710,487, Cl. 46—6.
- Scott, Kenneth W., S. S. Sweet, and M. H. Van Horn, to Eastman Kodak Co. 2,703,290, Cl. 106—135.
- Scott, Leonard E., and R. I. Isackson, to Globe Flexible Coupling Co. 2,716,334, Cl. 64—14.
- Scott, Margaret S.: *See—*
- Scavullo, Angelo C. 2,714,296.
- Scott, Michael H.: *See—*
- Schwenker, Eric H., and Scott. 2,720,683.
- Scott, Milton J.: *See—*
- Cohen, Oscar P., and Scott. 2,700,001.
- Scott, Morris H.: *See—*
- Ritchie, Thomas R., Scott, and Walker. 2,721,079.
- Scott, O. M., and Sons Co.: *See—*
- Peoples, Virgil. 2,718,986.
- Scott, Oliver W.: *See—*
- Davis, William E., and A. and O. W. Scott. 2,715,968.
- Scott Paper Co.: *See—*
- Burton, Thomas M. 2,707,146.
- McConnell, Albert L., and Medeiros. 2,717,224.
- Sparrow, Donald B., Eberl, and Britt. 2,707,144.
- Sparrow, Donald B., Eberl, and Britt. 2,707,145.
- Scott, Philip R.: *See—*
- Stratton, Frank E., and Scott. 2,719,310.
- Scott, Robert C., to Pittsburgh Coke & Chemical Co. 2,728,653, Cl. 71—25.
- Scott, Roderic M., to The Sharples Corp. 2,702,630, Cl. 209—133.
- Scott, Roderic M., to The Sharples Corp. 2,702,632, Cl. 209—144.
- Scott, Roderic M., to the United States of America as represented by the Secretary of the Navy. 2,706,285, Cl. 340—3.
- Scott, Roger M., to Morgan Construction Co. 2,716,007, Cl. 242—78.
- Scott, Sydney W., to F. Perkins Ltd. 2,717,317, Cl. 290—38.
- Scott Testers, Inc.: *See—*
- Rasmussen, Harold R. 2,704,696.
- Rasmussen, Harold R. 2,722,832.
- Rogers, Robert W. 2,699,063.
- Rogers, Robert W. 2,699,064.
- Scott, Thomas W. 2,709,025, Cl. 222—341.
- Scott, Thomas W. 2,728,605, Cl. 299—47.
- Scott, Thurman F.: *See—*
- Scott, William V. and T. F. 2,724,840.
- Scott, Walter. 2,699,125, Cl. 103—260.
- Scott, Walter A., to The De Laval Separator Co. 2,725,188, Cl. 233—23.
- Scott, Willard R., Jr., to California Research Corp. 2,723,232, Cl. 252—8.55.
- Scott, William H.: *See—*
- Wilson, Jack P., and Scott. 2,725,583.
- Scott, William H., and W. J. Merrigan, to Proctor & Schwartz, Inc. 2,705,096, Cl. 223—76.
- Scott, William L., Jr., to the United States of America as represented by the United States Atomic Energy Commission. 2,703,337, Cl. 174—163.
- Scott, William V. and T. F. 2,724,840, Cl. 4—216.



- Scott & Williams, Inc.: *See*—  
 Bristow, Paul W. 2,698,531.  
 Bristow, Paul W. 2,717,509.  
 Lawson, Robert H. 2,709,352.  
 Lawson, Robert H. 2,719,415.  
 Leotta, Samuel S., and Patt. 2,708,837.  
 McDonough, John J. 2,710,531.  
 Oberholtzer, Albert L. 2,720,092.  
 Page, Frank R. 2,727,374.  
 Wilkie, Leo O. 2,717,510.  
 Scottish Oils Ltd.: *See*—  
 Stewart, Daniel. 2,708,185.  
 Scovill Mfg. Co.: *See*—  
 Butler, Gray L. 2,715,400.  
 Carpinella, Michael J. 2,724,161.  
 Duell, Morgan V. 2,717,434.  
 Fenton, Paul E. 2,698,473.  
 Fenton, Paul E. 2,724,162.  
 Havican, Raymond V., and Treciokas. 2,715,440.  
 McGrath, William J. 2,726,555.  
 Root, Le Roy. 2,712,318.  
 Seyfried, Arthur W. 2,714,674.  
 Weiser, Franklin S. 2,702,766.  
 Wild, Henry W. 2,728,125.  
 Scovill, Royal J., Jr.: *See*—  
 Tarquinee, Valentine, and Scovill. 2,698,467.  
 Scovill, Warner E.: *See*—  
 Roberson, Donald C., and Scovill. 2,721,165.  
 Scovill, Warner E., to The Standard Oil Co. 2,699,420, Cl. 196—30.  
 Scovill, Warner E., to The Standard Oil Co. 2,723,759, Cl. 210—52.5.  
 Scoville, Ray R. Re. 23,921, Cl. 339—198.  
 Scoville, Thomas N. 2,701,027, Cl. 182—31.  
 Scranton, Charles J., to Allis-Chalmers Mfg. Co. 2,704,078, Cl. 130—5.  
 Scranton, Charles J., to Allis-Chalmers Mfg. Co. 2,704,150, Cl. 198—197.  
 Screen Engineering Co.: *See*—  
 Eichorn, Adrian. 2,718,476.  
 Scrimshaw, George W. 2,703,645, Cl. 206—65.  
 Scripto, Inc.: *See*—  
 Cofield, Eugene P., Jr., and Seech. 2,715,388.  
 Scrivner, Frank H., and A. L. Chollar. 2,716,373, Cl. 94—17.  
 Scruton, Herbert A.: *See*—  
 Averill, Harold P., Peakes, Whitney, and Scruton. 2,719,794.  
 Scudder, Stanley L.: *See*—  
 Fitch, Harold L., and Scudder. 2,725,155.  
 Scudi, John V., to Nepera Chemical Co. Inc. 2,723,270, Cl. 260—294.8.  
 Scudi, John V., and L. E. Tenenbaum, to Nepera Chemical Co., Inc. 2,710,864, Cl. 260—239.1.  
 Scull, William E., Jr., to Radio Corp. of America. 2,728,027, Cl. 315—25.  
 Scullen, Hugh J. 2,714,806, Cl. 62—4.  
 Scullin, Carl H.: *See*—  
 Dailey, Hampton J., and Scullin. 2,727,177.  
 Dailey, Hampton J., and Scullin. 2,727,178.  
 Scully, Frank P., to Scully Signal Co. 2,720,216, Cl. 137—558.  
 Scully, John T. 2,702,904, Cl. 2—145.  
 Scully, John T. 2,711,015, Cl. 30—34.  
 Scully, John T. 2,711,582, Cl. 30—34.  
 Scully, John T. 2,718,694, Cl. 30—34.  
 Scully-Jones & Co.: *See*—  
 Lehde, John W. 2,709,600.  
 Scully Signal Co.: *See*—  
 Mathey, Alcide E. 2,716,389.  
 Scully, Frank P. 2,720,216.  
 Scully, Thomas J., to General Electric Co. 2,726,363, Cl. 318—275.  
 Scusa, Lino, to Phoenix Gage Co. 2,712,372, Cl. 192—56.  
 Szczepanski, Floyd H.: *See*—  
 Yack, Waldo A., and Szczepanski. 2,720,310.  
 Seaboard Maritime Corp.: *See*—  
 Jernstrom, Karl W. Re. 23,959.  
 Jernstrom, Karl W. 2,726,623.  
 Seabury, Frank, II, and C. K. Woodman, to United Shoe Machinery Corp. 2,724,844, Cl. 12—1.  
 Seagram, Joseph E., & Sons, Inc.: *See*—  
 Capstack, Eugene J., and Davis. 2,706,031.  
 Seagren, George W., and G. L. Reymann, to Stoner-Mudge, Inc. 2,699,413, Cl. 148—31.5.  
 Seale, Homer T. 2,700,435, Cl. 188—3.  
 Sealed Power Corp.: *See*—  
 Olson, Holly M. 2,722,467.  
 Sealey, William C., to Allis-Chalmers Mfg. Co. 2,713,126, Cl. 307—103.  
 Sealey, William C., to Allis-Chalmers Mfg. Co. 2,713,141, Cl. 323—43.5.  
 Sealey, William C., to Allis-Chalmers Mfg. Co. 2,713,142, Cl. 323—43.5.  
 Sealey, William C., to Allis-Chalmers Mfg. Co. 2,723,352, Cl. 307—14.  
 Seaman, Blair C.: *See*—  
 Hutchins, Charles C., and Seaman. 2,703,859.  
 Seaman, Edward L., to S. & W. Sewing Machine Attachment Co. 2,725,837, Cl. 112—101.  
 Seaman, Ernest M.: *See*—  
 Plansoen, Louis M., and Seaman. 2,706,699.  
 Seaman, Francis E.: *See*—  
 Kennison, Hugh F., and Seaman. 2,724,886.  
 Seaman, Philip H.: *See*—  
 Bernstein, Allan C. 2,702,841.  
 Seaman, Richard H., to Mega Corp. 2,700,117, Cl. 313—117.  
 Seamark, Lewis M. C. 2,726,842, Cl. 251—172.  
 Seames, Frederick A.: *See*—  
 Schmidlin, Richard J., and Seames. 2,724,359.  
 Seanay, Inc.: *See*—  
 Corsette, William T. 2,723,721.  
 Searcy, Seral W. 2,706,077, Cl. 230—67.  
 Searle, Donald F.: *See*—  
 Lewis, Allen H., and Searle. 2,709,684.  
 Lewis, Allen H., and Searle. 2,709,685.  
 Searle, G. D., & Co.: *See*—  
 Bergstrom, Clarence G. 2,703,799.  
 Bergstrom, Clarence G. 2,713,587.  
 Bible, Roy H., Jr., and Hoehn. 2,705,725.  
 Burtner, Robert R. 2,719,846.  
 Cella, John A. 2,705,712.  
 Chinn, Leland J., and Thielen. 2,727,907.  
 Colton, Frank B. 2,702,811.  
 Colton, Frank B. 2,704,768.  
 Colton, Frank B. 2,721,871.  
 Colton, Frank B. 2,725,389.  
 Colton, Frank B. 2,727,909.  
 Colton, Frank B. 2,727,912.  
 Cupery, Harold E., Searle, and Todd. 2,705,195.  
 Cusic, John W. 2,714,594.  
 Cusic, John W. 2,715,645.  
 Cusic, John W. 2,719,850.  
 Dodson, Raymond M. 2,705,232.  
 Dodson, Raymond M. 2,709,172.  
 Dodson, Raymond M. 2,709,701.  
 Dodson, Raymond M. 2,727,908.  
 Dodson, Raymond M., and Bergstrom. 2,705,711.  
 Dodson, Raymond M., and Sollman. 2,708,201.  
 Dornfeld, Clinton A. 2,704,757.  
 Huffman, Max N. 2,699,447.  
 Jacobsen, Robert P. 2,705,283.  
 Krimmel, Carl P. 2,700,045.  
 Krimmel, Carl P. 2,715,130.  
 Mueller, George P. 2,714,592.  
 Mueller, George P. 2,720,524.  
 Nysted, Leonard N. 2,705,721.  
 Raymond, Albert L., and Cusic. 2,703,803.  
 Ralls, Jack W. 2,715,640.  
 Rorig, Kurt. 2,713,065.  
 Rorig, Kurt J. 2,704,285.  
 Rorig, Kurt J. 2,723,977.  
 Rorig, Kurt J. 2,723,978.  
 Rorig, Kurt J., and Nicholson. 2,710,867.  
 Searle, Norman E., to E. I. du Pont de Nemours and Co. 2,704,245, Cl. 71—2.6.  
 Searle, Norman E., to E. I. du Pont de Nemours and Co. 2,706,158, Cl. 99—163.  
 Searle, Norman E., to E. I. du Pont de Nemours and Co. 2,719,865, Cl. 260—613.  
 Sears, Alfred R. 2,712,212, Cl. 56—27.  
 Sears, Billie A. 2,699,783, Cl. 128—305.  
 Sears, Carlton A., and D. J. Wilson, to American Cyanamid Co. 2,723,991, Cl. 260—518.  
 Sears, Raymond W., to Bell Telephone Laboratories, Inc. 2,713,650, Cl. 315—21.  
 Sears, Roebuck and Co.: *See*—  
 MacCarran, Thomas A. 2,702,732.  
 Sears, Vernon F. 2,706,838, Cl. 20—15.  
 Sears, Walter J., to General Electric Co. 2,724,276, Cl. 74—54.  
 Seaver, Elliott O., to Curtiss-Wright Corp. 2,713,243, Cl. 60—35.6.  
 Seaver, Jay J. 2,714,359, Cl. 110—176.  
 Seavey, Frederick R.: *See*—  
 Blackburn, Charles M., and Seavey. 2,717,551.  
 Seavey, Frederick R., to Olin Mathieson Chemical Corp. 2,724,333, Cl. 102—20.  
 Seavey, Frederick R., and H. S. Ritter, to Olin Mathieson Chemical Corp. 2,712,034, Cl. 136—133.  
 Seavey, William H., C. D. Jackson, deceased (J. M. Jackson, administratrix), and W. J. Mullins, to M. R. Lillengreen. 2,720,423, Cl. 300—14.  
 Sebac Nouvelle S. A.: *See*—  
 Coanda, Henri. 2,713,510.  
 Sebald, Joseph F., to Cochrane Corp. 2,723,955, Cl. 210—14.  
 Sehardt, Wilhelm, to International Ytong-Stabalite Co. Ltd. 2,719,018, Cl. 249—14.  
 Se Bastian, Ford, to The Silux Co. 2,715,495, Cl. 230—259.  
 SeBastian, Ford, to Electro-Snap Switch & Mfg. Co. 2,718,657, Cl. 16—34.  
 Sebel, D., and Co. Ltd.: *See*—  
 Sebel, Harry. 2,699,952.  
 Sebel, David. 2,726,481.  
 Sebel, David, to D. Sebel and Co. Ltd. 2,726,481, Cl. 46—107.  
 Sebel, Harry, to D. Sebel and Co. Ltd. 2,699,952, Cl. 280—47.1.  
 Sebell, Norman I.: *See*—  
 Johnson, Walter A., and Sebell. 2,715,956.  
 Sebok, Frank, to Houdaille-Hershey Corp. 2,698,743, Cl. 261—1.  
 Sebok, Joseph B., to Houdaille-Hershey Corp. 2,698,670, Cl. 183—15.  
 Sebok, Joseph B., to Houdaille-Hershey Corp. 2,709,498, Cl. 183—15.  
 Sebrell, Lorin B.: *See*—  
 Hawie, Gabriel S., Sebrell, and Ambrose. 2,723,434.



- Sebring, John C., R. D. Jordan, and J. W. Bitler, to The Minster Machine Co. 2,723,319, Cl. 200—25.
- Secarea, Valer V., and G. R. McDonald, to General Electric Co. 2,716,209, Cl. 318—52.
- Sechaud, René F.: *See*—  
Gaudin, Charles. 2,702,610.
- Seck, Werner G.: *See*—  
Daiger, George P., and Seck. 2,724,140.  
Gerber, Dale C., and Seck. 2,722,993.
- Seck, Werner G., to The Hoover Co. 2,713,381, Cl. 154—8.
- Seck, Werner G., and D. C. Gerber, to The Hoover Co. 2,722,996, Cl. 183—58.
- Seckel, Peter H., to R. A. Fisch. 2,714,076, Cl. 117—100.
- Secord, Lloyd C., and W. Boyd, to A. V. Roe Canada, Ltd. 2,701,949, Cl. 60—39.14.
- Secord, Lloyd C., and J. T. Purvis, to A. V. Roe Canada Ltd. 2,713,991, Cl. 253—77.
- Secotan, Inc.: *See*—  
Ushakoff, Alexis E. 2,702,229.  
Ushakoff, Alexis E. 2,704,238.
- Security Machine Products Co.: *See*—  
Green, Edward A. 2,722,698.
- Seddon, Robert M., and D. W. Brambani, to Dunlop Rubber Co. Ltd. 2,708,112, Cl. 267—63.
- Sederstrom, Dexter C., to Minneapolis-Honeywell Regulator Co. 2,699,537, Cl. 340—234.
- Sedgwick, Robert K. 2,699,011, Cl. 46—210.
- Sedgwick, Robert K., to American Steel Foundries. 2,705,888, Cl. 73—37.
- Sedgwick, Robert K., to American Steel Foundries. 2,718,048, Cl. 29—463.
- Sedgwick, Robert K., to American Steel Foundries. 2,720,785, Cl. 73—314.
- Sédille, Marcel H. L., to Societe Rateau (Societe Anonyme), and R. Anxionnaz. 2,701,443, Cl. 60—39.12.
- Sedlacsik, John. 2,710,773, Cl. 299—1.
- Sedutto Co., The. *See*—  
Sedutto, William. 2,703,538.
- Sedutto, William, to The Sedutto Co. 2,703,538, Cl. 107—8.
- See Fabriks Aktiebolag: *See*—  
Gille, Nils J. 2,703,999.
- See, Theodore S., and H. A. Frommelt. 2,726,977, Cl. 154—44.
- Seeber, Robert R., Jr.: *See*—  
Hamilton, Francis E., and Seeber. 2,700,502.
- Seeber, Robert R., Jr., to International Business Machines Corp. 2,717,686, Cl. 197—7.
- Seeburg, J. P., Corp.: *See*—  
Jensen, Herman G. 2,716,550.
- Seech, Fran: *See*—  
Coffield, Eugene P., Jr., and Seech. 2,715,388.
- Seed, John B., and G. E. Cassie, to Imperial Chemical Industries Ltd. 2,714,832, Cl. 86—45.
- Seed, Leslie, to Imperial Chemical Industries Ltd. 2,725,398, Cl. 260—566.
- Seefelder, Matthias: *See*—  
Reppe, Walter, and Seefelder. 2,719,159.
- Seefuth, Charles L., to Phillips Petroleum Co. 2,719,021, Cl. 251—25.
- Seeger, Edwin W.: *See*—  
Elliott, William H., and Seeger. 2,718,567.  
Posselt, Edward J., and Seeger. 2,724,796.
- Seeger, Ernst: *See*—  
Kottler, August, and Seeger. 2,710,299.  
Kottler, August, and Seeger. 2,714,109.
- Seeger, Nelson V.: *See*—  
Mastin, Thomas G., and Seeger. 2,698,845.
- Seeger, Nelson V., and T. G. Mastin, to The Goodyear Tire & Rubber Co. 2,725,366, Cl. 260—75.
- Seeger, Nelson V., and T. G. Mastin, to The Goodyear Tire & Rubber Co. 2,725,385, Cl. 260—326.
- Seeger Refrigerator Co.: *See*—  
Duncan, Thomas W. 2,701,450.  
Duncan, Thomas W. 2,714,293.  
Tobey, Raymond E. 2,719,406.  
Wright, Charles, and Hanson. 2,717,839.
- Seekins, Allen W. 2,721,244, Cl. 200—168.
- Seelbach, Charles W.: *See*—  
Jones, Arthur L., Gardner, and Seelbach. 2,720,978.  
Jones, Arthur L., Seelbach, and Frazier. 2,720,975.
- Seelen, Harry R., to Radio Corp. of America. 2,708,774, Cl. 20—56.5.
- Seeler, Henry: *See*—  
Hull, Wayland E., and Seeler. 2,711,169.
- Seeler, Henry. 2,703,572, Cl. 128—144.
- Seelert, Frederick W.: *See*—  
Kent, George R., Kriha, and Seelert. 2,719,745.
- Seelig, Albert F., Jr.: *See*—  
Bachman, Fred E., Seelig, and Coskun. 2,726,096.
- Seelig, Herman S., to Standard Oil Co. 2,710,854, Cl. 260—94.9.
- Seelig, Herman S., C. E. Johnson, and J. F. Deters, to Standard Oil Co. 2,726,989, Cl. 196—24.
- Seelig, Herman S., and H. I. Weck, to Standard Oil Co. 2,727,055, Cl. 260—449.
- Seeloff, Melvin M., to The Taylor-Winfield Corp. 2,702,023, Cl. 121—38.
- Seeloff, Melvin M., to The Taylor-Winfield Corp. 2,702,049, Cl. 137—622.
- Seeloff, Melvin M., to The Taylor-Winfield Corp. 2,724,035, Cl. 219—4.
- Seeloff, Melvin M., to The Taylor-Winfield Corp. 2,726,371, Cl. 339—5.
- Seeloff, Melvin M., and R. Anderson, to The Taylor-Winfield Corp. 2,710,903, Cl. 219—17.
- Seemann, G.: *See*—  
Damm, Felix H. H. 2,717,031.
- See-Qual Package Corp.: *See*—  
Murphy, Joseph E., and Schnall. 2,706,038.  
Murphy, Joseph E., and Schnall. 2,708,027.  
Murphy, Joseph E., and Schnall. 2,708,028.  
Murphy, Joseph E., and Schnall. 2,712,383.
- Seewaldt, Albert J. 2,718,341, Cl. 224—5.
- Seez, Christian J. 2,725,764, Cl. 76—101.
- Seifren, John H., and J. C. Eirk, to Chicago Rawhide Mfg. Co. 2,702,203, Cl. 286—11.
- Seifton, Robert C., and J. J. Zimsky, to McGraw Electric Co. Re. 23,987, Cl. 336—211.
- Segaar, Cornelis: *See*—  
Giskes, Johannes H., and Segaar. 2,707,101.  
Giskes, Johannes H., and Segaar. 2,727,226.
- Segal, Arthur A.: *See*—  
Jones, Robert M., Segal, and Hoellerich. 2,710,916.
- Segal, Joshua J.: *See*—  
Puckett, Lawrence P., Jr., Schillinger, Segal, and Blumberg. 2,704,876.
- Segal, Samuel. 2,701,735, Cl. 292—348.
- Segal, Samuel, to Wilson Jones Co. 2,705,796, Cl. 1—3.
- Segal, Samuel. 2,724,257, Cl. 70—93.
- Segal, Samuel, to Wilson-Jones Co. 2,726,721, Cl. 164—119.
- Seger, Ralph L., Jr.: *See*—  
Smith, Cornelius W., and Seger. 2,709,471.
- Seggel, August J.: *See*—  
Michell, Anthony G. M., and Seggel. 2,724,622.
- Segil, Leon J. 2,718,290, Cl. 189—45.
- Segl, Walter E., to Hercules Powder Co. 2,698,789, Cl. 92—6.
- Sego, Robert F. 2,728,496, Cl. 222—457.
- Segura, Marnell A.: *See*—  
Hunter, Edward A., and Segura. 2,722,503.
- Sehring, Richard: *See*—  
Weiland, Theodor, and Sehring. 2,713,045.  
Weiland, Theodor, and Sehring. 2,715,119.
- Seibel, Peter E., 1/2 to A. Borut. 2,720,907, Cl. 153—99.
- Seibert, Frank J., to Chipman Chemical Co., Inc. 2,704,243, Cl. 71—2.2.
- Seid, Eugene, to North American Aviation, Inc. 2,727,194, Cl. 318—28.
- Seidel, Carl J. 2,721,413, Cl. 43—25.2.
- Seidel, Charles E.: *See*—  
Wolf, Cecil R., Holland, and Seidel. 2,708,478.  
Wolf, Cecil R., and Seidel. 2,703,247.
- Seidel, Harold, to International Telephone and Telegraph Corp. 2,721,309, Cl. 333—10.
- Seidel, Paul A.: *See*—  
Maurer, Sam. 2,709,008.
- Seidel, William. 2,725,935, Cl. 160—91.
- Seidenfaden, Wilhelm, E. Fischer, and H. Thomae, to Farbwerke Hoechst A. G. vormals Meister Lucius und Bruning. 2,709,165, Cl. 260—141.
- Seidl, Rudolph. 2,711,603, Cl. 40—126.
- Seidle, Ralph E. 2,708,047, Cl. 214—515.
- Seidler, Jack: *See*—  
Conklin, Robert E., Rubino, and Seidler. 2,711,574.
- Seidler, Leon S. 2,711,173, Cl. 128—263.
- Seidlitz Paint and Varnish Co.: *See*—  
Jensen, Otto, and Walton. 2,722,485.
- Seidman, Martin, and K. P. Link, to Wisconsin Alumni Research Foundation. 2,702,806, Cl. 260—343.2.
- Seifert, Edwin J., to Pettibone Mulliken Corp. 2,709,312, Cl. 37—190.
- Seifert, Karl. 2,719,688, Cl. 248—191.
- Seifert, Martin W. 2,728,097, Cl. 15—137.
- Seifert, Martin W. 2,728,098, Cl. 15—140.3.
- Seifert, Richard, and W. Barth, to K. Maybach. 2,717,805, Cl. 299—107.2.
- Seifferle, Oliver. 2,720,420, Cl. 299—59.
- Seifried, Paul E., to Bendix Aviation Corp. 2,716,344, Cl. 74—5.1.
- Seifter, Joseph: *See*—  
Bruce, William F., and Seifter. 2,700,680.  
Bruce, William F., and Seifter. 2,719,862.
- Seigler, Paul H., Sr. 2,705,358, Cl. 25—1.
- Seiler, Fritz, to Edouard Dubied & Cie (Societe Anonyme). 2,718,129, Cl. 66—6.
- Seiler, Karl, to International Standard Electric Corp. 2,701,216, Cl. 117—106.
- Seiler, Karl, and L. Fedotowski, to International Standard Electric Corp. 2,702,361, Cl. 317—235.
- Seilly, Alec H., to C. A. V. Ltd. 2,727,158, Cl. 290—38.
- Seim, Conrad R.: *See*—  
Giuliano, Paul S. 2,725,902.
- Seim, Morris T. 2,715,713, Cl. 339—8.
- Seipt, Willard R., to Keasbey and Mattison Co. 2,716,070, Cl. 106—120.
- Seismograph Service Corp.: *See*—  
Baltosser, Robert W. 2,701,659.  
Crossland, Edward J. 2,716,747.  
Hawkins, James E. Re. 23,919.  
Hawkins, James E. 2,710,961.  
Hawkins, James E. 2,724,830.  
Klotz, Robert L., Jr. 2,699,721.
- Seith, Theodore L., to Cornell Paperboard Products Co. 2,708,545, Cl. 229—51.
- Seitz, John I.: *See*—  
Breisch, Edgar W., and Seitz. 2,709,723.
- Seitzman, Julius. 2,711,707, Cl. 114—16.
- Seiverd, Frederick M. 2,701,059, Cl. 209—207.



- Sejournet, Jacques, and R. E. Lambert, to Comptoir Industriel d'Etrage et Profilage de Metaux. 2,706,850, Cl. 29—423.
- Sekki, Rudolph O. 2,717,454, Cl. 33—174.
- Seko, Kaichi,  $\frac{1}{4}$  to K. Shibayama, and  $\frac{1}{4}$  to M. Tsubota. 2,710,446, Cl. 30—49.
- Selas Corp. of America: *See—*
- Gildersleeve, William E. 2,719,537.
- Greathead, Clarence W. 2,719,581.
- Hess, Frederic O. 2,711,309.
- Hess, Frederic O., and Fleischer. 2,716,968.
- Kniveton, James. 2,706,111.
- Kriebble, Elvin L. 2,701,624.
- Massier, John. 2,725,929.
- Van Note, Richard S. 2,699,837.
- Selbe, Rexford L., to United States Gypsum Co. 2,699,414, Cl. 15—45.9.
- Seld, Hans V., to Firm "Metallbau Semler G. m. b. H., Munich." 2,726,073, Cl. 261—44.
- Seldner, Alvin A., Jr.: *See—*
- Demby, Chester A., and Seldner. 2,703,714.
- Sellectronics, Inc.: *See—*
- Fastenau, Frederick H., Jr. 2,699,508.
- Imler, Donald I. 2,705,392.
- Self, Jack F.: *See—*
- Gill, Merwyn C., and Self. 2,703,313.
- Self, Plato E. 2,699,273, Cl. 222—469.
- Self-Changing Gear Co. Ltd.: *See—*
- Miller, Albert A. 2,715,455.
- Miller, Albert A. 2,721,639.
- Seligman, Arthur. 2,703,583, Cl. 137—454.4.
- Seljos, Arthur L.: *See—*
- Crookston, Robert R., and Seljos. 2,726,846.
- Seljos, Arthur L., and A. S. Badger, to Standard Oil Development Co. 2,703,008, Cl. 73—151.
- Sell, Wayne E., and J. A. Forrester, to Research, Inc. 2,721,945, Cl. 250—83.6.
- Sellars, Elizabeth H.: *See—*
- Sellars, Oliver H. 2,705,127.
- Sellars, George L.: *See—*
- Barber, Hiram L., and Sellars. 2,706,961.
- Sellars, Oliver H., deceased, by E. H. Sellars, executrix, to Ingersoll-Rand Co. 2,705,127, Cl. 255—51.
- Sellers, Arthur G.,  $\frac{1}{2}$  to W. H. Ireland. 2,714,501, Cl. 261—36.
- Sellers, Frederick B.: *See—*
- Rees, Harry V., and Sellers. 2,702,240.
- Sellers Injector Corp.: *See—*
- Patterson, Wallace M. 2,715,909.
- Sellers, Robert E., and D. F. Morris, to Sunland Industries, Inc. 2,701,182, Cl. 23—193.
- Sellers, William D.: *See—*
- Beeson, Martin L. 2,707,897.
- Selley, William W., and J. J. Connolly; said Selley assor. to said Connolly. 2,719,482, Cl. 101—227.
- Sellner, John W. 2,724,428, Cl. 155—45.
- Sellon, Raymond N., Jr.: *See—*
- Voigt, Herbert L., and Sellon. 2,714,368.
- Sellstrom Mfg. Co.: *See—*
- Anderson, Marshall N. 2,706,307.
- Anderson, Marshall N. 2,726,395.
- Selmer, Alois. 2,699,368, Cl. 312—270.
- Selmer, H. & A., Inc.: *See—*
- Cline, Delbert G. 2,713,804.
- Lefevre-Selmer, Henri. 2,710,558.
- Selove, Walter, to the United States of America as represented by the Secretary of the Navy. 2,700,103, Cl. 250—27.
- Seltz, Stanley G.: *See—*
- Bitz, John O., and Seltz. 2,705,603.
- Seltzer, Robert E., to Spred-All, Inc. 2,703,193, Cl. 222—512.
- Seltzer, Robert E., to Spred-All, Inc. 2,704,624, Cl. 222—485.
- Seltzer, Robert E., to The American Baler Co. 2,720,159, Cl. 100—4.
- Seltzer, Robert E., to The American Baler Co. 2,722,884, Cl. 100—192.
- Selvin, Gerald J.: *See—*
- Winsche, Warren E., Stang, Tucker, and Selvin. 2,710,249.
- Selz, Jacques, and J. Iltis, to Compagnie Industrielle des Telephones. 2,721,264, Cl. 250—36.
- Selzer, John: *See—*
- Frie, George R., and Selzer. 2,725,099.
- Selzer, John, to International Harvester Co. 2,711,342, Cl. 296—32.
- Selzler, Edwin M., and R. D. Miles; said Selzler assor. to said Miles. 2,710,520, Cl. 59—7.
- Semegen, Stephen T., and R. A. Crawford, to The B. F. Goodrich Co. 2,726,221, Cl. 260—23.7.
- Semenoff, Serge: *See—*
- Dolliver, Morris A., and Semenoff. 2,717,236.
- Semenyna, Waldimir: *See—*
- Strunk, Kenith G., Lelek, and Semenyna. 2,707,904.
- Semenyna, Waldimir, to Gustave Glaser Co., Inc. 2,698,535, Cl. 68—180.
- Semisch, Charles W., Jr. 2,727,747, Cl. 273—149.
- Semmler, Erich: *See—*
- Lipphaus, Arthur, Semmler, and Verse. 2,699,367.
- Semon, Howard W. 2,705,919, Cl. 102—10.
- Semon, Howard W., and R. A. Beasley. 2,707,435, Cl. 102—7.
- Semple, Robert E., to Beckman Instruments, Inc. 2,710,328, Cl. 219—10.
- Sen, William J., and H. E. Schuster. 2,716,203, Cl. 315—11.
- Senderoff, Seymour, and R. J. Labrie, to the United States of America as represented by the Secretary of Commerce. 2,715,058, Cl. 23—87.
- Senderoff, Seymour, and A. Brenner, to the United States of America as represented by the Secretary of Commerce. 2,715,093, Cl. 204—10.
- Sendzimir, Tadeusz, to Armzen Co. 2,710,550, Cl. 80—31.1.
- Seneca Falls Machine Co.: *See—*
- Dinsmore, Arthur S., and Smith. 2,714,324.
- Seneschall, Ronald, to Rolls-Royce Ltd. 2,716,563, Cl. 285—129.
- Seney, John S., to E. I. du Pont de Nemours and Co. 2,702,948, Cl. 34—52.
- Seney, John S., to E. I. du Pont de Nemours and Co. 2,703,386, Cl. 324—65.
- Senfieben, Paul W., to United Shoe Machinery Corp. 2,716,763, Cl. 12—1.
- Seng Co., The: *See—*
- Fox, Martin. 2,701,373.
- Fox, Martin. 2,727,250.
- Sengebusch, Hans: *See—*
- Graybill, Kenneth W., and Sengebusch. 2,710,896.
- Sengebusch, Hans, to Automatic Electric Laboratories, Inc. 2,719,943, Cl. 318—254.
- Sengstock, Bernhard: *See—*
- Sengstock, Friedrich. 2,707,447.
- Sengstock, Friedrich, 50% to B. Sengstock. 2,707,447, Cl. 112—184.
- Senior, Juengling and Knall: *See—*
- Juengling, Karl F. 2,718,971.
- Senior, Richard A., and M. R. Bundy. 2,701,173, Cl. 311—23.
- Senn, Arthur L. 2,701,032, Cl. 187—26.
- Senn, Jurg A., to Kearney & Trecker Corp. 2,703,505, Cl. 88—14.
- Senn, Jurg A., to Kearney & Trecker Corp. 2,710,934, Cl. 318—162.
- Senn, Jurg A., to Kearney & Trecker Corp. 2,720,810, Cl. 88—14.
- Senti, Frederic R.: *See—*
- Hellman, Nison N., Tsuchiya, Rogovin, Jackson, and Senti. 2,726,985.
- Sepavich, Victor F.: *See—*
- Laraia, Artemio, and Sepavich. 2,715,421.
- Sepavich, Victor F., to Crompton & Knowles Loom Works. 2,703,591, Cl. 139—375.
- Seppola, Asie. 2,715,471, Cl. 214—103.
- Sequeira, Antonio A. 2,719,506, Cl. 116—63.
- Seragnoli, Ariosto. 2,718,331, Cl. 221—200.
- Serfass, Edgar A.: *See—*
- Bearden, Joseph M. 2,717,561.
- Serkin, Wilhelm, to Rocla Pipes Ltd. 2,709,845, Cl. 25—154.
- Serkin, Wilhelm, to Rocla Pipes Ltd. 2,720,469, Cl. 117—54.
- Serniuk, George E., to Esso Research and Engineering Co. 2,703,817, Cl. 260—592.
- Serraton, Louis J.: *See—*
- Anschuetz, Harvey J., and Serraton. 2,704,225.
- Sersland, Holver. 2,703,730, Cl. 292—340.
- Sersté, Jacqueline: *See—*
- Sersté, Jacques E., Teplow, and P. F. and P. A. Sersté. 2,713,401.
- Sersté, Jacques E., J. Teplow (born Sersté), P. F. and P. A. Sersté. 2,713,401, Cl. 188—88.
- Sersté, Paul A.: *See—*
- Sersté, Jacques E., Teplow, and P. F. and P. A. Sersté. 2,713,401.
- Sersté, Pierre F.: *See—*
- Sersté, Jacques E., Teplow, and P. F. and P. A. Sersté. 2,713,401.
- Serugo Rubber Co.: *See—*
- Emery, John F. 2,711,737.
- Seruto, Joseph, to American Cyanamid Co. 2,709,697, Cl. 260—149.
- Seruto, Joseph, to American Cyanamid Co. 2,709,698, Cl. 260—200.
- Servel, Inc.: *See—*
- Andersson, Sven W. E. 2,717,495.
- Andersson, Sven W. E. 2,717,496.
- Andersson, Sven W. E. 2,717,501.
- Andersson, Sven W. E. 2,717,505.
- Andersson, Sven W. E. 2,717,506.
- Ashby, Carl T., and Miller. 2,715,818.
- Ashby, Carl T., and Miller. 2,715,819.
- Ashby, Carl T., and Phillips. 2,717,499.
- Barton, Ralph D. 2,717,502.
- Berry, Norton E. 2,713,778.
- Eilers, Anton F. 2,711,086.
- Hess, William D. 2,711,088.
- Jennings, John H. 2,711,087.
- Knerr, Carl J. 2,717,497.
- Knerr, Carl J. 2,717,504.
- Ploeger, Clyde E. 2,717,500.
- Shagaloff, Harry C. 2,709,346.
- Shagaloff, Harry C. 2,717,498.
- Simpson, Walter M. 2,709,347.
- Teague, Walter D., and Wassyang. 2,717,189.
- Woehler, Harold. 2,717,503.
- Service Castor & Truck Corp.: *See—*
- Huffman, Levi D. 2,700,173.
- Service Diamond Tool Co.: *See—*
- Small, Louis, and Antonik. 2,726,540.
- Service Engineering, Inc.: *See—*
- Gallmeyer, Richard D. 2,710,016.
- Servidio, Joseph. 2,722,036, Cl. 17—1.



- Servo Corp. of America : *See*—  
 Cabbe, John R. 2,713,663.  
 Greenleaf, Francis D., Novikoff, and Walther. 2,708,615.  
 Macklem, F. Sutherland. 2,713,135.  
 Paulstich, William H. 2,713,318.
- Servomechanisms, Inc. : *See*—  
 Blair, William E. 2,699,065.  
 Brady, James M. 2,719,893.  
 Redemske, Ralph F. 2,714,309.
- Sespico, Joseph P. 2,706,299, Cl. 5—99.  
 Sessler, Milt G. 2,704,428, Cl. 54—71.  
 Sestan, Arthur. 2,727,638, Cl. 214—16.1.
- Setman, George L., to Bucks County Enterprises Inc. 2,704,974, Cl. 99—422.
- Setright Registers Ltd. : *See*—  
 Adshead, Charles W. 2,707,431.  
 Adshead, Charles W. 2,720,331.
- Set Screw & Mfg. Co. : *See*—  
 Brown, Calvin O. 2,712,938.
- Setser, Herschel A. : *See*—  
 Salmers, Edward A., Setser, and Zahradka. 2,720,876.
- Sette, Frederick E. 2,726,770, Cl. 210—165.  
 Setter, Arnt. 2,699,605, Cl. 30—206.  
 Settler, Morris. 2,700,264, Cl. 56—26.  
 Settles, James C., to The Buckeye Steel Castings Co. 2,723,630, Cl. 105—197.
- Setz Korn, Eugene A. : *See*—  
 McKinney, Leonard L., Setz Korn, and Uhing. 2,717,263.
- Seubert, Harry M., Jr. 2,703,562, Cl. 123—139.
- Sevald, William T. : *See*—  
 Parker, Elmer J. 2,721,574.
- Sever, Charles E., and J. L. Barger. 2,720,185, Cl. 115—25.  
 Severance, Joe. 2,712,785, Cl. 97—215.
- Severin, Carl : *See*—  
 Cressman, George W., Kotsch, and Severin. 2,726,965.
- Severin, Jose, to Friedrich Kocks G. m. b. H. 2,709,846, Cl. 29—69.
- Seyern, Douglas K., to E. I. du Pont de Nemours and Co. 2,707,667, Cl. 8—94.26.
- Seversen, Harry N. : *See*—  
 Jaros, Joseph F. 2,709,401.
- Sevin, Douglas B. 2,724,025, Cl. 200—25.
- Sévin, Paul E., to Societe Nationale de Constructions Aero-nautiques du Sud-Ouest. 2,725,007, Cl. 98—1.5.
- Seward, Munson A. 2,724,181, Cl. 30—305.  
 Seward, Munson A. 2,725,228, Cl. 270—61.
- Sewelin, Ernest R., F. A. Lee, and C. A. Lindblom, to International Harvester Co. 2,708,133, Cl. 296—35.
- Sewelin, Ernest R., and B. J. Olender, to International Harvester Co. 2,708,134, Cl. 296—35.
- Sewell, Curtis, Jr., and D. M. Button, to the United States of America as represented by the United States Atomic Energy Commission. 2,717,353, Cl. 323—22.
- Sewell, Duane C., to the United States of America as represented by the United States Atomic Energy Commission. 2,719,233, Cl. 250—41.9.
- Sewell, Walter W. : *See*—  
 Frevik, Ralph C., Sewell, and Wilson. 2,701,733.  
 McNally, Harold T., Sewell, and Wilson. 2,722,879.
- Sewell, Walter W., and R. W. Wilson, to Ford Motor Co. 2,712,389, Cl. 214—140.
- Sexton, Everett P., to Westinghouse Air Brake Co. 2,715,050, Cl. 303—22.
- Sexton, Everett P., to Westinghouse Air Brake Co. 2,721,579, Cl. 137—788.
- Sexton, Everett P., and G. M. Thomas, to Westinghouse Air Brake Co. 2,699,973, Cl. 303—22.
- Seybold, Frederick W. 2,701,480, Cl. 74—732.  
 Seybold, Frederick W. 2,716,906, Cl. 74—677.
- Seybold, Hermann G. 2,704,965, Cl. 92—39.  
 Seybold, Hermann G. 2,705,197, Cl. 92—3.  
 Seybold, Hermann G. 2,705,198, Cl. 92—3.
- Seyferth, Harold N., to Ex-Cell-O Corp. 2,720,141, Cl. 90—13.9.
- Seyffer, Robert. 2,717,557, Cl. 104—148.
- Seyforth, Rome C., to The Shelby Metal Products Co. 2,723,151, Cl. 292—340.
- Seyfried, Arthur W., to Scovill Mfg. Co. 2,714,674, Cl. 310—91.
- Seymour, Dexter C., to United States Rubber Co. 2,716,110, Cl. 260—92.8.
- Seymour, Dexter C., to United States Rubber Co. 2,716,111, Cl. 260—92.8.
- Seymour, Dexter C., to United States Rubber Co. 2,716,112, Cl. 260—92.8.
- Seymour, Harry R. 2,726,792, Cl. 222—199.
- Seymour, John L. 2,707,717, Cl. 13—6.
- Seymour, Malcolm, to B. B. Chemical Co. 2,725,325, Cl. 154—140.
- Seymour, Raymond B., and R. H. Steiner, to The Atlas Mineral Products Co. of Pennsylvania. 2,703,299, Cl. 154—82.
- Seymour, Raymond B., and W. R. Pascoe, to The Atlas Mineral Products Co. of Pennsylvania. 2,707,685, Cl. 106—70.
- Seymour, Raymond B., and R. H. Steiner, to The Atlas Mineral Products Co. of Pennsylvania. 2,718,829, Cl. 94—6.
- Seymour, Raymond E. : *See*—  
 Schremp, Frederick W., and Seymour. 2,714,948.
- Sforza del Pesaro, Kazimir M., to Jet Helicopter Corp. 2,710,067, Cl. 170—135.4.
- Shaad, George E., C. D. Beck, and J. C. Gresham, to General Electric Co. 2,722,639, Cl. 318—6.
- Shabaker, Hubert A. : *See*—  
 Milliken, Thomas H., Jr., and Shabaker. 2,699,249.
- Shabaker, Hubert A., to Houdry Process Corp. Re. 23,942, Cl. 23—1.
- Shabaker, Hubert A., to Houdry Process Corp. 2,699,248, Cl. 198—56.
- Shabaker, Hubert A., to Houdry Process Corp. 2,717,458, Cl. 34—167.
- Shacikoski, Anthony. 2,716,019, Cl. 255—50.
- Shackelford, Arthur H., to R. L. Bidwell. 2,699,308, Cl. 248—47.
- Shackelford, John H. 2,707,951, Cl. 128—136.
- Shacklett, Comer D., to E. I. du Pont de Nemours and Co. 2,720,468, Cl. 117—34.
- Shadow Line Building Products Inc. : *See*—  
 Gollner, Charles E. 2,727,283.
- Shaeffer, Edwin K. 2,718,434, Cl. 301—9.
- Shaeffer, Norbert : *See*—  
 Davis, Roy P. M., and Shaeffer. 2,722,739.
- Shafer, Albert L. 2,705,315, Cl. 340—237.
- Shafer, George E. : *See*—  
 Brown, Edward L., Robertson, and Shafer. 2,726,830.
- Shafer, Henry M., and A. J. Holland, to Merck & Co., Inc. 2,702,263, Cl. 167—81.
- Shafer, Henry M., and A. J. Holland, to Merck & Co., Inc. 2,709,669, Cl. 167—81.
- Shafer, Homer J., to The Shafer Valve Co. 2,707,483, Cl. 137—456.
- Shafer, Homer J., to Mansfield Development, Inc. 2,708,907, Cl. 121—38.
- Shafer, Homer J. 2,728,298, Cl. 103—80.
- Shafer, James A., to National Malleable and Steel Castings Co. 2,712,796, Cl. 105—197.
- Shafer, James A., to National Malleable and Steel Castings Co. 2,717,558, Cl. 105—187.
- Shafer, Julius E., deceased; The Northern Trust Co., executor. 2,705,160, Cl. 286—5.
- Shafer, Julius E., deceased; The Northern Trust Co., executor. 2,705,161, Cl. 286—5.
- Shafer, Montgomery R., to the United States of America as represented by the Secretary of the Navy. 2,700,891, Cl. 73—55.
- Shafer Valve Co., The : *See*—  
 Shafer, Homer J. 2,707,483.
- Shaff, Ernest H. 2,711,661, Cl. 81—52.3.
- Shaff, Ernest H. 2,711,662, Cl. 81—52.3.
- Shaffer, Carvel O. : *See*—  
 Shaffer, Susan D. and C. O. 2,715,902.
- Shaffer, Elwood F., to Earle Hardware Mfg. Co. 2,714,814, Cl. 70—146.
- Shaffer, Francis N., and A. B. Davis, to Sylvania Electric Products Inc. 2,723,958, Cl. 252—301.6.
- Shaffer, Melvin C. 2,701,561, Cl. 128—6.
- Shaffer, Paul F. : *See*—  
 Anderson, Dale L., Shaffer, Knowles, Harwell, Nash, and Lewis. 2,724,342.
- Shaffer, Ralph : *See*—  
 Layton, J. C., and Shaffer. 2,708,375.  
 Layton, J. C., and Shaffer. 2,712,934.
- Shaffer, Susan D. and C. O. 2,715,902, Cl. 128—132.
- Shafranek, Robert J. : *See*—  
 Dennis, John R., and Shafranek. 2,710,360.  
 Martin, Cecil G., and Shafranek. 2,708,724.
- Shagaloff, Harry C., to Servel, Inc. 2,709,346, Cl. 62—119.
- Shagaloff, Harry C., to Servel, Inc. 2,717,498, Cl. 62—6.
- Shager, Bernice J., and E. M. Van Buskirk, to International Harvester Co. 2,713,299, Cl. 97—200.
- Shabben, John M., and P. Gandert, to Tele-Trip Policy Co., Inc. of Delaware. 2,724,478, Cl. 194—9.
- Shakely, Howard H., to Jones & Laughlin Steel Corp. 2,708,078, Cl. 242—79.
- Shakespeare Co. : *See*—  
 Clickner, Earle D. 2,705,601.  
 Shakespeare, Henry G., and Harrington. 2,724,563.
- Shakespeare, Henry G., and G. D. Harrington, to Shakespeare Co. 2,724,563, Cl. 242—84.4.
- Shalit, Harold : *See*—  
 Zimmerschied, Wilford J., and Shalit. 2,726,991.
- Shallenberg, Robert L. 2,703,979, Cl. 73—46.
- Shames, Harold. 2,721,089, Cl. 285—90.
- Shames, Harold and S. J. 2,707,624, Cl. 261—76.
- Shames, Sidney J. : *See*—  
 Shames, Harold and S. J. 2,707,624.
- Shamos, Morris H., to Chatham Electronics Corp. 2,700,108, Cl. 250—71.
- Shamos, Morris H., to Chatham Electronics Corp. 2,700,110, Cl. 250—83.6.
- Shamp, John E., to E. I. du Pont de Nemours and Co. 2,702,282, Cl. 260—2.3.
- Shampaine Co. : *See*—  
 Adolphson, Roy T. 2,712,484.  
 Reichert, Allan S., and Adolphson. 2,714,541.
- Shanahan, William J., to Hazeltine Research, Inc. 2,711,529, Cl. 343—9.
- Shand and Jurs Co. : *See*—  
 Jurs, Peter C. 2,719,644.  
 Jurs, Peter C., and Van Overveen. 2,726,840.
- Shane, Robert W. 2,704,893, Cl. 33—177.
- Shanhouse, William M., and E. Daher, to S. & D. Development Co. 2,723,069, Cl. 226—99.
- Shank, Bernard L. : *See*—  
 Ranko, Leonard A., and Shank. 2,712,810.
- Shank, Clifford A., and N. M. Brown, Jr., to The Garrett Corporation. 2,703,679, Cl. 236—9.
- Shank, Earl D., and H. A. Talmadge, to United Aircraft Corp. 2,721,482, Cl. 74—7.



- Shank, Harold W. 2,723,577, Cl. 81—15.  
 Shank, Kenneth P., to Gibson Refrigerator Co. 2,722,050, Cl. 29—522.  
 Shank, Wendell F. 2,711,228, Cl. 188—3.  
 Shannon, Richard F.: *See—*  
   Biefeld, Lawrence P., Armstrong, and Shannon. 2,717,841.  
 Shaper, Harry B., to Dyna-Labs Inc. 2,707,769, Cl. 324—45.  
 Shapiro, Alfred, Inc.: *See—*  
   Stoner, Clinton. 2,707,786.  
 Shapiro, Clarence M. 2,704,689, Cl. 296—49.2.  
 Shapiro, George J. 2,717,165, Cl. 281—16.  
 Shapiro, Henry: *See—*  
   Crater, Wilbur D., and Shapiro. 2,724,965.  
 Shapiro, Herbert, to the United States of America as represented by the Secretary of the Navy. 2,702,885, Cl. 333—30.  
 Shapiro, Hymim, to Ethyl Corp. 2,717,206, Cl. 75—167.  
 Shapiro, Isadore, to A. R. Hyde & Sons. Re. 23,922, Cl. 36—2.5.  
 Shapiro, Jacob S.: *See—*  
   Pullin, Cyril G., and Shapiro. 2,721,615.  
 Shapiro, Jacob S., and C. G. Pullin, to Autogiro Co. of America. 2,703,624, Cl. 170—135.4.  
 Shapiro, Robert. 2,726,324, Cl. 240—81.  
 Shapiro, Zalman M., to the United States of America as represented by the United States Atomic Energy Commission. 2,717,915, Cl. 13—31.  
 Shapleigh, James H., to Hercules Powder Co. 2,707,147, Cl. 48—196.  
 Shapleigh, James H., to Hercules Powder Co. 2,708,621, Cl. 23—284.  
 Sharkey, Arthur: *See—*  
   Cox, James L., and Sharkey. 2,699,514.  
 Sharp, Albert and G., to Sharp Bros., Inc. 2,704,521, Cl. 107—14.  
 Sharp, Beulah C., 50% to O. C. Irwin. 2,711,595, Cl. 35—35.  
 Sharp Bros., Inc.: *See—*  
   Sharp, Albert, and G. 2,704,521.  
 Sharp, Dexter B., to Monsanto Chemical Co. 2,703,751, Cl. 71—2.3.  
 Sharp, Donald E., to Libbey-Owens-Ford Glass Co. 2,698,975, Cl. 20—56.5.  
 Sharp, George: *See—*  
   Sharp, Albert, and G. 2,704,521.  
 Sharp, John C., to General Electric Co. 2,711,076, Cl. 60—54.  
 Sharp, John C., and L. J. Martiniak, to General Electric Co. 2,711,178, Cl. 134—56.  
 Sharp, John C., and K. Clark, to General Electric Co. 2,718,772, Cl. 68—23.  
 Sharp, Paul F., to Foremost Dairies, Inc. 2,728,678, Cl. 99—199.  
 Sharp, Thomas C., to Radio Corp. of America. 2,726,287, Cl. 179—100.2.  
 Sharpe, Alan, to Power Jets (Research and Development) Ltd. 2,720,753, Cl. 60—39.71.  
 Sharpe, Arthur H., to Underwood Corp. 2,707,076, Cl. 235—60.12.  
 Sharpe, Arthur H., to Underwood Corp. 2,710,088, Cl. 197—70.  
 Sharpe, Arthur H., to Underwood Corp. 2,718,295, Cl. 197—70.  
 Sharpe, Arthur H., to Underwood Corp. 2,718,354, Cl. 235—60.47.  
 Sharpe, Eugene S.: *See—*  
   Koopsell, Harold J., Stodola, and Sharpe. 2,724,680.  
 Sharpe, Henry E. 2,721,906, Cl. 179—100.2.  
 Sharpe, William F. 2,717,034, Cl. 160—176.  
 Sharples Chemicals Inc.: *See—*  
   Miller, Dwight L. 2,707,171.  
   Newcomer, Jack S. 2,698,820.  
 Sharples Corp., The: *See—*  
   Davis, Walter C. 2,708,630.  
   Fitzsimmons, Harold C. 2,726,808.  
   Gooch, Fred P. 2,703,676.  
   Jones, Leo D. 2,717,119.  
   Scott, Roderic M. 2,702,630.  
   Scott, Roderic M. 2,702,632.  
   Sharples, Laurence P. 2,723,799.  
 Sharples, Laurence P., to The Sharples Corp. 2,723,799, Cl. 233—20.  
 Sharpless, George R.: *See—*  
   Wolfe, Don M., and Sharpless. 2,705,696.  
 Sharrah, Marion L., to Continental Oil Co. 2,726,210, Cl. 252—46.4.  
 Shattuck, Ewart H.: *See—*  
   Runtun, Leslie A., and Shattuck. 2,725,090.  
 Shattuck, Ewart H., and J. V. Curran, Jr., to Alexander Smith, Inc. 2,728,132, Cl. 28—55.5.  
 Shaub, Mary S., and O. H. Scarborough. 2,707,988, Cl. 155—189.  
 Shaw, Alfred W., and C. B. Linn, to Universal Oil Products Co. 2,722,521, Cl. 260—17.2.  
 Shaw, Arthur K.: *See—*  
   House, Bennie L., and Shaw. 2,698,583.  
 Shaw, Brackley, to Spheric Structures, Inc. 2,705,349, Cl. 20—2.  
 Shaw, Burton E.: *See—*  
   Anderson, Norman C., and Shaw. 2,711,464.  
 Shaw, Edward M., to General Electric Co. 2,724,908, Cl. 34—105.  
 Shaw, Edwin L., and C. E. Adams, to The Denison Engineering Co. 2,713,312, Cl. 103—162.  
 Shaw, Elmer H. 2,701,547, Cl. 119—22.  
 Shaw, Francis B. 2,724,156, Cl. 20—100.  
 Shaw, George B., to General Motors Corp. 2,698,887, Cl. 200—83.  
 Shaw, Harold F.: *See—*  
   Wiley, Harry A., and Shaw. 2,707,633.  
 Shaw, Harold G.: *See—*  
   Lee, Ferman N., Shaw, and Diggle. 2,698,953.  
 Shaw, Harry N.: *See—*  
   Rupp, Earl V., and Shaw. 2,720,214.  
 Shaw, Israel M. 2,710,468, Cl. 38—73.  
 Shaw, James W., Jr.: *See—*  
   Endres, Herbert A., Shaw, and Pullar. 2,700,655.  
 Shaw, John B.: *See—*  
   Ford, Tirey L., Shaw, Howell, Pfaff, and Rice. 2,704,309.  
 Shaw, Joseph D. 2,708,746, Cl. 340—258.  
 Shaw, Joseph D. 2,721,316, Cl. 340—213.  
 Shaw, Kenneth D., 23½% to M. J. Greenblatt. 2,720,687, Cl. 22—193.  
 Shaw, Loren E. 2,724,221, Cl. 51—204.  
 Shaw, Louis E. 2,724,220, Cl. 51—125.  
 Shaw, Milton C., and C. D. Strang, Jr. 2,722,463, Cl. 308—9.  
 Shaw, Percy. 2,703,038, Cl. 88—79.  
 Shaw, Ralph M., Jr., to Pedrick Tool and Machine Co. 2,723,701, Cl. 153—40.  
 Shaw, Willard C., to General Motors Corp. 2,716,803, Cl. 29—205.  
 Shaw, William: *See—*  
   Gwaltney, Eugene C., Shaw, and MacLean. 2,712,675.  
 Shawd, Ralph P., Jr. 2,718,185, Cl. 97—188.  
 Shawhan, Elbert N., and J. R. Wright, to Sun Oil Co. 2,724,271, Cl. 73—204.  
 Shawhan, Sam F., to Carrier Corp. 2,703,965, Cl. 62—3.  
 Shawinigan Chemicals Ltd.: *See—*  
   Creighton, Robert H. J. 2,723,184.  
 Shawinigan Resins Corp.: *See—*  
   Monaghan, Leo J. 2,704,753.  
 Shea, Frank A. 2,720,768, Cl. 67—7.1.  
 Shea, James A., to United States Steel Corp. 2,710,747, Cl. 266—25.  
 Shea, James A., to United States Steel Corp. 2,724,887, Cl. 25—155.5.  
 Shea, James A., to United States Steel Corp. 2,725,225, Cl. 266—43.  
 Shea, James A., to United States Steel Corp. 2,725,226, Cl. 266—43.  
 Shea, James A., to United States Steel Corp. 2,725,227, Cl. 266—43.  
 Shea, James F., and M. G. Willigman, to the United States of America as represented by the United States Atomic Energy Commission. 2,703,271, Cl. 23—14.5.  
 Sheaffer, W. A., Pen Co.: *See—*  
   Mansheim, Richard J. 2,709,989.  
 Sheahan, Robert E., to General Electric Co. 2,726,033, Cl. 230—117.  
 Sheard, William B.: *See—*  
   Borgman, Arthur C., and Sheard. 2,726,902.  
 Sheard, William G., to General Container Corp. 2,706,591, Cl. 229—23.  
 Shearer, Newton H., Jr.: *See—*  
   Coover, Harry W., Jr., and Shearer. 2,719,175.  
   Coover, Harry W., Jr., and Shearer. 2,719,176.  
   Coover, Harry W., Jr., and Shearer. 2,719,177.  
   Coover, Harry W., Jr., and Shearer. 2,719,178.  
 Shearer, Newton H., Jr., and H. W. Coover, Jr., to Eastman Kodak Co. 2,719,144, Cl. 260—88.7.  
 Shearer, Paul B. 2,716,063, Cl. 99—2.  
 Shebesta, Leo. 2,725,830, Cl. 107—50.  
 Shee, William S., to Derby Sealers, Inc. 2,726,084, Cl. 271—2.4.  
 Sheehan, Edwin A. 2,719,315, Cl. 15—210.  
 Sheehan, James W. 2,708,823, Cl. 59—35.  
 Sheehan, James W., to Arcturus Mfg. Corp. 2,717,138, Cl. 248—183.  
 Sheehan, John C., to Bristol Laboratories Inc. 2,721,196, Cl. 260—239.1.  
 Sheehan, John C., to Bristol Laboratories Inc. 2,721,197, Cl. 260—239.1.  
 Sheehan, Thomas P., to Weston Electrical Instrument Corp. 2,704,349, Cl. 324—156.  
 Sheer, Charles, and J. Tittman, to the United States of America as represented by the United States Atomic Energy Commission. 2,728,128, Cl. 25—157.  
 Sheets, Cleo B., to Inland Steel Co. 2,726,079, Cl. 266—21.  
 Sheets, Herman E.: *See—*  
   Brewer, Wendell N., Sheets, and Mayne. 2,726,006.  
 Sheets, Herman E., to Goodyear Aircraft Corp. 2,704,438, Cl. 60—39.14.  
 Sheets, Herman E., H. R. Hegbar, J. C. Feldscher, and C. A. Meneley, to Goodyear Aircraft Corp. 2,725,718, Cl. 60—39.82.  
 Sheets, Thomas M., and W. G. Lautz. 2,721,428, Cl. 51—205.  
 Sheets, William M. 2,724,588, Cl. 267—35.  
 Sheetz, Thomas R. 2,706,306, Cl. 16—94.



Sheffield Corp., The: *See*—

- Aller, Willis F. 2,706,339.  
 Aller, Willis F. 2,712,695.  
 Aller, Willis F. 2,718,140.  
 Aller, Willis F. 2,726,539.  
 Aller, Willis F., and Page. 2,727,311.  
 Byrckett, Elwood L. 2,706,397.  
 Mahlmeister, Raymond A. 2,712,181.  
 Sheffield, Frederick T., to Wm. H. Singleton Co., Inc. 2,712,164, Cl. 20—2.  
 Sheffield Twist Drill & Steel Co. Ltd., The: *See*—  
 Turner, William. 2,728,251.  
 Sheffield, William H., K. W. Koeniger, and C. B. Hemming, to United States Plywood Corp. 2,714,559, Cl. 117—9.  
 Sheft, Matthew J. 2,700,489, Cl. 222—170.  
 Sheidler, Dewey A.: *See*—  
 Hobson, Gordon G. 2,702,551.  
 Sheinwald, Benjamin S. 2,703,468, Cl. 45—131.  
 Shelanski, Herman A., to General Aniline & Film Corp. 2,707,959, Cl. 131—10.  
 Shelanski, Morris V., and M. W. Winicov, to West Laboratories, Inc. 2,710,277, Cl. 167—17.  
 Shelby, John A. 2,711,620, Cl. 51—273.  
 Shelby Metal Products Co.: *See*—  
 Seyforth, Rome C. 2,723,151.  
 Sheldon, E. H., & Co.: *See*—  
 Morrison, Robert B. 2,704,505.  
 Sheldon, Edward E. 2,699,511, Cl. 313—65.  
 Sheldon, Edward E. 2,699,512, Cl. 313—65.  
 Sheldon, Edward E. 2,700,116, Cl. 313—65.  
 Sheldon, Edward E. 2,717,971, Cl. 313—65.  
 Sheldrick, Laurence S., to General Motors Corp. 2,720,195, Cl. 123—65.  
 Sheldrick, Mabel, and C. E. Benchoff. 2,705,803, Cl. 2—80.  
 Sholey, Wayne H., M. E. Todd, and R. M. Goodwin, to General Motors Corp. 2,724,136, Cl. 15—4.  
 Shell Development Co.: *See*—  
 Adelson, David E. 2,713,066.  
 Anderegg, Arnold H., and Melstrom. 2,714,619.  
 Anderson, Alvin P. 2,728,735.  
 Anderson, John, Johnson, and Smith. 2,714,121.  
 Barnsley, Geoffrey E. 2,710,794.  
 Bell, Edward R., and Thorpe. 2,708,204.  
 Bradley, Theodore F., Mueller, and Shokal. 2,700,036.  
 Bradley, Theodore F., and Newy. 2,716,099.  
 Broussard, Douglas E., and McKinney. 2,720,266.  
 Clayton, Max L. 2,710,654.  
 Cogan, Myles H. R. 2,711,308.  
 Conklin, George W., and Morris. 2,707,714.  
 'Crake, Wilfred S. 2,727,730.  
 Dannenberg, Hans. 2,713,072.  
 Deahl, Thomas J., and Finch. 2,701,264.  
 Deming, Philip H., and Sagenkahn. 2,722,113.  
 Dickey, Frank H. 2,698,863.  
 Doorn, Johannis. 2,719,817.  
 Ewell, Robert B. 2,726,197.  
 Francis, Charles E. 2,715,108.  
 Furman, Kenneth E., and Finch. 2,708,208.  
 Gable, Myron W. 2,717,095.  
 Green, Thomas H. 2,718,491.  
 Grossheim, Louis J. 2,725,943.  
 Haefele, Walter R., Hearne, and Ballard. 2,723,994.  
 Harman, Denham, Morris, Watson, and Diamond. 2,725,359.  
 Harman, Denham, and Thorpe. Re. 23,979.  
 Healey, Norman. 2,726,207.  
 Howard, Harry W., Wittenwyler, and Nikles. 2,713,565.  
 Jahn, Edward J. 2,708,182.  
 Johnson, Ava J. 2,727,930.  
 Johnson, George F. 2,714,123.  
 Kaufman, Sidney. 2,724,114.  
 Lamb, John. 2,709,062.  
 Lidov, Rex E. 2,717,851.  
 Lidov, Rex E., and Bluestone. 2,714,617.  
 Long, Marion V. 2,718,982.  
 Long, Marion V., and Schneider. 2,707,440.  
 Lowman, Malden C., Jr., Hughes, and Nelson. 2,726,198.  
 May, Clayton A., and Shokal. 2,728,744.  
 Mcorney, John W., and Gaertner. 2,725,400.  
 Menn, Jacob J., and Wallace. 2,727,928.  
 Merten, Eugen. 2,710,070.  
 Merten, Eugen. 2,723,106.  
 Milligan, William B., Pompeo, and Rolfson. 2,722,826.  
 Millmore, Oswald H. 2,711,307.  
 Mondria, Hendrik. 2,721,829.  
 Morris, Rupert C., and Buls. 2,724,643.  
 Morris, Rupert C., and Van Winkle. 2,710,301.  
 Morris, Rupert C., and Van Winkle. 2,719,860.  
 Morris, Rupert C., and Van Winkle. 2,726,256.  
 Morris, Rupert C., and Van Winkle. 2,728,789.  
 Morris, Rupert C., and Van Winkle. 2,728,806.  
 Morris, Rupert C., Van Winkle, and Wyrick. 2,714,064.  
 Morris, Rupert C., and Watson. 2,706,194.  
 Mulder, Albertus J., and Smithuysen. 2,718,456.  
 Nance, William T., and Rabe. 2,716,340.  
 Narracott, Eric S. 2,709,690.  
 Olney, Richard B. 2,721,790.  
 Peery, Norman E. 2,709,643.  
 Permann, Karl. 2,721,735.  
 Phillips, Clifton H. 2,727,779.  
 Pompeo, Domenick J., Penner, and Noller. 2,703,628.  
 Prescott, Basil O., and Wilson. 2,710,169.  
 Prescott, Basil O., and Wilson. 2,719,024.  
 Reamer, Thomas E. 2,722,515.

Shell Development Co.: *See*—Continued.

- Redman, Cecil L. 2,712,921.  
 Rehbein, Charles A. 2,700,641.  
 Rigby, Richard. 2,705,615.  
 Ruedisulj, Wilhelmus M. J. 2,721,884.  
 Rust, Frederick F., and Bell. 2,717,264.  
 Schaerer, August A. 2,703,305.  
 Scheibli, James R. 2,713,567.  
 Schlamann, Johannes T. M. 2,714,853.  
 Schmitz, Howard E. 2,713,558.  
 Shokal, Edward C., and May. 2,728,781.  
 Simpson, Warren C. 2,704,738.  
 Smith, Curtis W. 2,704,771.  
 Smith, Curtis W., and Holm. 2,718,529.  
 Smith, Curtis W., and Norton. 2,702,823.  
 Smith, William C., Anderson, and Bloom. 2,714,122.  
 Sommer, Harry J., and Griffin. 2,706,688.  
 Stiles, Alan R., and Harman. 2,711,403.  
 Stiles, Alan R., Harman, and Rust. 2,724,718.  
 Sullivan, Robert D. 2,705,205.  
 Sullivan, Robert D. 2,717,880.  
 Talley, Samuel K., Fowkes, and Cattaneo. 2,715,107.  
 Van Beest, Adolf C., Le Nobel, van Dijk, and van der Plas. 2,726,194.  
 Van der Plas, Franciscus J. F., and Van Dijk. 2,716,641.  
 Van Dijk, Christiaan P., and van der Plas. 2,719,142.  
 Van Dijk, Christiaan P., and van der Plas. 2,719,143.  
 Van Ess, Paul R., and Zachar. 2,726,236.  
 Van Willigen, Gerrit. 2,704,979.  
 Van Winkle, John L., Bell, and Morris. 2,712,029.  
 Vaughan, William E., and Condo. 2,717,248.  
 Veth, Jan, and Van Heeckeren. 2,703,055.  
 Vogel, Charles B. 2,708,485.  
 Vorenkamp, Egbert R. 2,721,530.  
 Wachter, Aaron, and Moore. 2,717,196.  
 Wachter, Aaron, and Skei. 2,711,360.  
 Wachter, Aaron, and Stillman. 2,717,843.  
 Watson, Forrest J. 2,722,518.  
 Wilson, William B. 2,699,256.  
 Shelley, G. W.: *See*—  
 Wait, Louis S. 2,718,630.  
 Shelley, Robert E.: *See*—  
 Wait, Louis S. 2,718,630.  
 Shelley, Robert J. 2,709,561, Cl. 248—204.  
 Shelton, Cecil B. 2,710,182, Cl. 266—21.  
 Shelton, Clifford. 2,710,586, Cl. 114—74.  
 Shelton, Dothan L. 2,699,715, Cl. 97—198.1.  
 Shelton, Earl J., to Raytheon Mfg. Co. 2,721,294, Cl. 315—39.53.  
 Shelton, Malcolm C., and W. T. Geiger. 2,709,287, Cl. 24—73.  
 Shelton, Russell O., and G. H. Dale, to Phillips Petroleum Co. 2,724,682, Cl. 196—14.19.  
 Shelton, Winston L., and J. Bochan, to General Electric Co. 2,707,088, Cl. 248—18.  
 Shen, Frederick A. 2,718,787, Cl. 73—373.  
 Shen, Kwan-Ting: *See*—  
 De Groote, Melvin, and Shen. 2,723,241.  
 Shen, Tzu E., and K. W. Plessner, to British Dielectric Research Ltd. 2,705,204, Cl. 106—39.  
 Shenigo, Michael G., to C. D. Keely. 2,721,670, Cl. 216—29.  
 Shenk, Eugene R.: *See*—  
 Phelps, James C., and Shenk. 2,712,037.  
 Shenk, Eugene R., and P. E. Volz, to Radio Corp. of America. 2,714,627, Cl. 178—50.  
 Shenk, Eugene R., A. E. Canfora, and P. E. Volz, to Radio Corp. of America. 2,716,158, Cl. 178—50.  
 Shenk, Robert H., to American Flexible Coupling Co. 2,698,529, Cl. 64—31.  
 Shepard, Arthur P., to Metallizing Engineering Co. Inc. 2,714,244, Cl. 29—157.  
 Shepard, Arthur P., to Metallizing Engineering Co. Inc. 2,714,530, Cl. 299—104.  
 Shepard, Charles: *See*—  
 Dunn, Alfred W. 2,727,258.  
 Shepard, Edwin R., to Eli Lilly and Co. 2,728,769, Cl. 260—286.  
 Shepard, Frank B. 2,702,637, Cl. 210—169.  
 Shepard, Joseph E. 2,718,807, Cl. 82—36.  
 Shepard, Lyman K.: *See*—  
 Pettigrew, David D., and Shepard. 2,716,395.  
 Shepard, Mitchell J.: *See*—  
 Fante, Harry H., Shepard, and Gonia. 2,715,424.  
 Shepardson, Vene P., to Westinghouse Air Brake Co. 2,721,934, Cl. 246—219.  
 Shepardson, John W., to Morgan Construction Co. 2,724,080, Cl. 318—46.  
 Shephard, Harry B., to Akwel Corp. 2,708,960, Cl. 155—56.  
 Shepherd, Clarence M. 2,715,774, Cl. 33—1.  
 Shepherd, Claud M. 2,711,047, Cl. 43—23.  
 Shepherd, Douglas A., and R. L. Pederson, to The Upjohn Co. 2,701,805, Cl. 260—397.3.  
 Shepherd, George R. L., to Esso Research and Engineering Co. 2,721,225, Cl. 260—666.  
 Shepherd, James E., to The Sperry Corp. 2,708,751, Cl. 343—16.  
 Shepherd, James E., W. W. Miehler, and G. E. White, to The Sperry Corp. 2,710,399, Cl. 343—11.  
 Shepherd, James E., and G. E. White, to Sperry Rand Corp. 2,720,647, Cl. 343—13.  
 Shepherd, Judson O'D., to American Telephone and Telegraph Co. 2,698,879, Cl. 179—18.  
 Shepherd, Judson O'D., to American Telephone and Telegraph Co. 2,698,880, Cl. 179—18.  
 Shepherd Marshal L. 2,703,467, Cl. 43—57.5.



- Shepherd, Willard B.: *See*—  
Kasser, Morris. 2,700,369.
- Shepherd, William F., to William F. Shepherd, Inc. 2,700,586, Cl. 312—67.
- Shepherd, William F., Inc.: *See*—  
Shepherd, William F. 2,700,586.
- Shepley, Stuart H.: *See*—  
Dangremont, Robert V., Lokotzke, and Shepley. 2,727,263.
- Shepp, Robert O., to General Electric Co. 2,718,544, Cl. 174—113.
- Sheppard, Edward A.: *See*—  
Peter, Leslie H., and Sheppard. 2,707,252.
- Sheppard, Richard H. 2,710,603, Cl. 123—90.
- Sheppard, Richard H. 2,721,542, Cl. 123—41.84.
- Sheppard, Richard H. 2,722,922, Cl. 123—41.74.
- Sheppard, Will E., to Cleveland Precision Ring & Products Co. 2,721,921, Cl. 219—4.
- Sher, Jack, and G. H. Balentine, Jr. 2,708,044, Cl. 214—394.
- Sherbrook, Victor A. 2,713,692, Cl. 12—146.
- Sherbrooke, Walter A., to Piping Specialties, Inc. 2,713,982, Cl. 248—54.
- Sherer, Renslow D.: *See*—  
Rapp, Gustav, W. 2,705,695.
- Sherertz, Paul C., to the United States of America as represented by the Secretary of the Navy. 2,710,913, Cl. 250—27.
- Sheridan Iron Works, The: *See*—  
Kleineberg, Paul E., and Lariviere. 2,711,896.
- Sheridan, T. W. & C. B., Co.: *See*—  
Kleineberg, Paul E., and Lariviere. 2,711,896.
- Sheridan-Young, Peter D.: *See*—  
Leader, Sidney A. 2,703,776.
- Sherk, Donald, to Edwin L. Wiegand Co. 2,718,577, Cl. 201—67.
- Sherman, Alex.: *See*—  
Sherman, Ralph. 2,701,965.
- Sherman, Arnold: *See*—  
Sherman, Ralph. 2,701,965.
- Sherman, Charles W., to Easy Washing Machine Corp. 2,708,293, Cl. 20—16.
- Sherman, Chester E. 2,714,015, Cl. 280—154.5.
- Sherman, Donald W., to Parts Engineering Co., Inc. 2,723,066, Cl. 224—42.21.
- Sherman, Floyd A. 2,717,991, Cl. 340—244.
- Sherman, George A.: *See*—  
Luna, Herbert T., and Fox. 2,706,567.
- Sherman, George E. 2,701,657, Cl. 214—141.
- Sherman, H. B., Mfg. Co.: *See*—  
Harris, Carl H. 2,713,279.
- Sherman, Harold T. 2,712,596, Cl. 250—6.
- Sherman, John M.: *See*—  
Meeker, David A., and Sherman. 2,723,113.
- Sherman, Kenneth C., to General Dynamics Corp. 2,719,039, Cl. 273—43.
- Sherman, Kenneth C., to General Dynamics Corp. 2,724,593, Cl. 273—53.
- Sherman, Milton C. 2,714,471, Cl. 220—97.
- Sherman, Orville B., to Owens-Illinois Glass Co. 2,710,987, Cl. 18—5.
- Sherman, Ralph, deceased: Alex and Arnold Sherman, executors. 2,701,965, Cl. 73—359.
- Sherman, Russel J. 2,720,119, Cl. 74—460.
- Sherman, Walter L. 2,707,760, Cl. 315—135.
- Sherman, Whitney D.: *See*—  
Ahlmeyer, Heinz, and Sherman. 2,710,566.
- Sherrard, William D. 2,705,097, Cl. 223—91.
- Sherrill, Eugene A., to Bendix Aviation Corp. 2,702,093, Cl. 184—6.
- Sherrill, George G. 2,706,425, Cl. 82—4.
- Sherrill, George C., and D. W. Massey. 2,699,016, Cl. 51—39.
- Sherritt Gordon Mines Ltd.: *See*—  
Forward, Frank A., and Mackiw. 2,726,934.
- Sherry Corp.: *See*—  
Blu, Marshall A. 2,711,917.
- Shertz, Edward W., and R. S. Work, to Landsdowne Steel & Iron Co. 2,710,029, Cl. 139—42.
- Sherwan, August C. 2,719,719, Cl. 273—177.
- Sherwen, Theo: *See*—  
Chambers, John M., and Sherwen. 2,701,072.
- Sherwin, Chalmers W.: *See*—  
Meagher, Ralph E., and Sherwin. 2,717,330.
- Sherwin, Chalmers W., to the United States of America as represented by the Secretary of the Navy. 2,705,901, Cl. 88—14.
- Sherwin, Chalmers W., to the United States of America as represented by the Secretary of the Navy. 2,712,647, Cl. 343—11.
- Sherwin, Chalmers W., to the United States of America as represented by the Secretary of the Navy. 2,720,645, Cl. 343—10.
- Sherwin, Chalmers W., to the United States of America as represented by the Secretary of the Navy. 2,724,776, Cl. 250—36.
- Sherwin-Williams Co., The: *See*—  
Asbeck, Hans J., and Jordan. 2,726,632.
- Blank, Robert E., and Arters. 2,727,051.
- Brown, Kenneth R., Piepho, and Thomas. 2,706,162.
- Hookway, Raymond H. 2,714,560.
- Hunn, James V. 2,727,047.
- Martens, Charles R., and Bellamy. 2,699,407.
- Pascal, Michael W. 2,714,551.
- Sherwin-Williams Co.: *See*—Continued.
- Schwarz, Herbert F. 2,707,707.
- Smith, Richard G. 2,719,133.
- Thornton, Joseph E. 2,703,747.
- Whitehill, Lynwood N., and Arvin. 2,704,750.
- Sherwood, Aaron W. 2,724,552, Cl. 235—78.
- Sherwood, Glenn L.: *See*—  
Johnson, Henry L. 2,717,625.
- Sherwood, Glenn L., 1/8 to H. L. Johnson and 1/8 to F. J. Thar. 2,717,626, Cl. 153—32.
- Sherwood, John F. 2,726,062, Cl. 254—175.5.
- Sherwood, Ralph L.: *See*—  
Barton, Loy E., and Sherwood. 2,714,566.
- Shewmon, Ralph K., and R. A. Flora, to General Motors Corp. 2,711,448, Cl. 200—6.
- Shibayama, Kamekichi: *See*—  
Seko, Kaichi. 2,710,446.
- Shibe, William J., Jr., S. I. Cohen, and M. S. Frant, to Gal-lowhur Chemical Corp. 2,725,326, Cl. 167—33.
- Shickluna, Christopher B.: *See*—  
Conoscente, Salvatore, and Shickluna. 2,711,770.
- Shideler, Ross O., to United States Equipment Corp. 2,713,881, Cl. 146—221.
- Shidell, Garold A., and C. L. Bonds, to McCullough Tool Co. 2,725,940, Cl. 166—63.
- Shields, Albert F., to S & S Corrugated Paper Machinery Co., Inc. 2,711,206, Cl. 154—31.
- Shields, Carl S. 2,714,848, Cl. 98—115.
- Shields, Charles B., to Westinghouse Air Brake Co. 2,728,851, Cl. 246—3.
- Shields, George B., to Webster Electric Co. 2,704,639, Cl. 242—55.
- Shields, George B., to Webster Electric Co. 2,711,104, Cl. 74—472.
- Shields, James J. 2,725,974, Cl. 198—190.
- Shields, Robert A., to ACF Industries, Inc. 2,699,734, Cl. 105—364.
- Shields, Robert A., to ACF Industries Inc. 2,715,549, Cl. 302—52.
- Shields, Robert A., to ACF Industries Inc. 2,715,550, Cl. 302—53.
- Shields, Robert A., to ACF Industries, Inc. 2,721,667, Cl. 214—58.
- Shields, Robert D. 2,703,061, Cl. 110—173.
- Shiffman, Frances H.-M. 2,704,415, Cl. 45—24.
- Shiflet, Harry A., to United States Steel Corp. 2,716,967, Cl. 122—499.
- Shill, Joseph, and W. C. Kerker, to Varick Industries, Inc. 2,704,918, Cl. 53—7.
- Shiman Bros. & Co., Inc.: *See*—  
Schaeffer, Jacob H. 2,706,542.
- Shimanckas, William J., to Outboard, Marine & Mfg. Co. 2,723,655, Cl. 123—185.
- Shimmon, William L. 2,711,227, Cl. 187—9.
- Shinabery, Lawrence. 2,703,001, Cl. 70—264.
- Shinn, Byron M., and W. H. Childs, to Armour and Co. 2,721,142, Cl. 99—169.
- Shinn, Guy C., and C. T. Gautier. 2,722,433, Cl. 280—415.
- Shionogi & Co., Ltd.: *See*—  
Ueyo, Shojiro, Tomita, and Kubota. 2,719,157.
- Shipman, Max G. 2,705,524, Cl. 155—43.
- Shipp, Jan W. 2,701,667, Cl. 222—556.
- Shippen, Mary H. 2,714,444, Cl. 206—15.1.
- Shippen, Mary H. 2,718,335, Cl. 222—135.
- Shipton, E., & Co. Ltd.: *See*—  
Strong, Bernard. 2,724,860.
- Shirasawa, Takeo H.: *See*—  
Gevantman, Lewis H., Chan, and Shirasawa. 2,703,488.
- Shire, William A., to Standard Oil Co. 2,726,932, Cl. 23—153.
- Shirk, Robert M., to Houdry Process Corp. 2,702,207, Cl. 302—53.
- Shirk, Robert M., to Houdry Process Corp. 2,726,146, Cl. 23—288.
- Shirk, Robert M., and C. J. Bruckner, to Houdry Process Corp. 2,717,809, Cl. 302—53.
- Shirley, Frederick: *See*—  
Shirley, Queenie H. 2,718,580.
- Shirley, Guy W. 2,713,834, Cl. 111—7.1.
- Shirley, Queenie H., to F. Shirley. 2,718,580, Cl. 219—10.55.
- Shirrell, Homer H. 2,715,894, Cl. 123—25.
- Shively, John J.: *See*—  
Van Deventer, Harry R., Shively, and Bailey. 2,713,088.
- Van Deventer, Harry R., Shively, and Bailey. 2,724,015.
- Shively, Lyman R.: *See*—  
Cleland, James E., and Shively. 2,701,768.
- Shnitzler, Meyer J., and R. L. Sinclair, to The Gillette Co. 2,702,116, Cl. 206—16.
- Shnitzler, Meyer J., T. P. Norton, and S. G. Kindred, to The Gillette Co. 2,707,551, Cl. 206—16.
- Shobe, Agnes L. 2,698,441, Cl. 4—287.
- Shobert, Samuel M. 2,706,497, Cl. 138—78.
- Shobrook, William O. 2,720,059, Cl. 51—92.
- Shockey, Houston. 2,705,656, Cl. 289—17.
- Shockey, Newton E. 2,703,254, Cl. 296—97.
- Shockley, William, to Bell Telephone Laboratories, Inc. 2,714,702, Cl. 323—66.
- Shockley, William, to Bell Telephone Laboratories, Inc. 2,716,729, Cl. 323—7.
- Shoemaker, Bernard H., to Standard Oil Co. 2,727,078, Cl. 260—674.
- Shoemaker, Harold L.: *See*—  
Jacobs, Donald H., Shoemaker, and May. 2,719,670.
- Shoemaker, Malcolm G., to Philco Corp. 2,706,894, Cl. 62—4.
- Shoemaker, Ralph L. 2,711,151, Cl. 115—0.5.



- Shoemaker, Robert R.: *See*—  
Francis, Elliott S., and Shoemaker. 2,718,502.  
Shoenfelt, Charles F. 2,706,869, Cl. 43—44.87.  
Shoessow, Glen J.: *See*—  
Godshalk, Russell L., and Shoessow. 2,700,375.  
Shoffstall, Hugh F., to Bell Telephone Laboratories, Inc. 2,719,886, Cl. 179—175.2.  
Shokal, Edward C.: *See*—  
Bradley, Theodore F., Mueller, and Shokal. 2,700,036.  
May, Clayton A., and Shokal. 2,728,744.  
Shokal, Edward C., and C. A. May, to Shell Development Co. 2,728,781, Cl. 260—348.  
Shok-Pruf Manufacturers and Distributing Co.: *See*—  
Azbill, Andrew J. 2,714,181.  
Sholl, Clyde A. 2,701,535, Cl. 108—28.  
Shone, Samuel M.: *See*—  
Preisler, Leon, and Shone. 2,728,580.  
Shone, Samuel M., and L. Preisler, to Strollee of California, Inc. 2,711,328, Cl. 280—41.  
Shonka, Francis R., to the United States of America as represented by the United States Atomic Energy Commission. 2,716,168, Cl. 200—61.45.  
Shonts, Homer K., by decree of distribution to J. Shonts. 2,708,866, Cl. 97—215.  
Shonts, Jessie: *See*—  
Shonts, Homer K. 2,708,866.  
Shontz, Harry W. 2,708,045, Cl. 214—506.  
Shook, Harold A.: *See*—  
Allsworth, Clifton L., and Shook. 2,698,873.  
Shore, Frank. 2,725,806, Cl. 95—95.  
Shore, Max. 2,714,248, Cl. 30—85.  
Shore, Nathan A., to Ritter Co., Inc. 2,709,546, Cl. 226—126.  
Shore, Nathan A., to Ritter Co., Inc. 2,727,670, Cl. 226—127.  
Shore, William E., to H. S. Forsberg. 2,703,716, Cl. 279—93.  
Shorey, Betty Y.: *See*—  
Young, William D. 2,714,230.  
Shorna, Benjamin. 2,704,683, Cl. 288—3.  
Shorr, Leonard M., to Dow Corning Corp. 2,698,861, Cl. 260—448.8.  
Short Brothers & Harland Ltd.: *See*—  
Lundry, Arthur J. 2,725,738.  
Short, Byron W. 2,710,417, Cl. 15—77.  
Short, Charles R., and G. P. Brouillette, to Florida Industrial Laboratory, Inc. 2,719,332, Cl. 19—24.  
Short, Clair A., Jr., and G. N. Conley, to General Motors Corp. 2,704,436, Cl. 60—35.6.  
Short, Harold O., and G. C. Wilhide, to The Black & Decker Mfg. Co. 2,725,770, Cl. 81—52.4.  
Short, Robert J., and R. A. Badt. 2,726,743, Cl. 189—37.  
Shortland, Arthur, to Mellor Bromley & Co. Ltd. 2,702,718, Cl. 289—1.5.  
Shoulders, Walter L., and R. R. Hayes, to Reliance Electric and Engineering Co. 2,717,320, Cl. 310—57.  
Shoultes, Donald P., and W. M. Swarthout, to International Business Machines Corp. 2,727,990, Cl. 250—27.  
Shoup, Carl A., to T. A. Demetry. 2,717,190, Cl. 316—2.  
Shoup, Edgar C., Jr.: *See*—  
Ledwith, Walter A., and Shoup, Jr. 2,722,873.  
Shoup, Vernon D. and V. G. 2,724,132, Cl. 9—3.  
Shoup, Victor G.: *See*—  
Shoup, Vernon D. and V. G. 2,724,132.  
Shoup, Wallace R., Jr. 2,718,728, Cl. 46—204.  
Shove, Benjamin E.: *See*—  
De Boer, John H. 2,717,398.  
Showalter, Carl N., to International Harvester Co. 2,711,239, Cl. 192—62.  
Showalter, Clayton W. 2,706,655, Cl. 288—19.  
Showman, Paul E., to The Showman Tool Co. 2,721,376, Cl. 29—227.  
Showman Tool Co., The: *See*—  
Showman, Paul E. 2,721,376.  
Shrader, Marvin O.: *See*—  
Meier, Juerg A., and Shrader. 2,715,127.  
Mulvaney, John F., and Shrader. 2,715,126.  
Shrader, Merrald B.: *See*—  
Meisenheimer, Raymond L., and Shrader. 2,706,802.  
Shrader, Merrald B., to Radio Corp. of America. 2,705,294, Cl. 313—240.  
Shrader, Morris E.: *See*—  
Livingston, Herman G., and Shrader. 2,710,170.  
Shrider, Kenneth L., and J. W. Picking, to The Reliance Electric & Engineering Co. 2,720,621, Cl. 318—345.  
Shropshire, Elwood Y.: *See*—  
Craig, W. E., Shropshire, and Wilson. 2,720,548.  
Shrubsall, Arthur E.: *See*—  
Brown, Charles M., and Shrubsall. 2,715,765.  
Shuff, Hugh. 2,707,007, Cl. 144—208.  
Shukal, Joseph M. 2,720,163, Cl. 101—42.  
Shukys, Julius G., F. M. Fioralissi, and L. S. Croix, to Air Reduction Co., Inc. 2,727,900, Cl. 260—310.  
Shuldener, Henry L., to Water Service Laboratories, Inc. 2,703,176, Cl. 210—31.  
Shull, Charles L. 2,708,729, Cl. 317—249.  
Shull, Gilbert M., D. A. Kita, and J. W. Davisson, to Chas. Pfizer & Co., Inc. 2,702,812, Cl. 260—397.45.  
Shull, Gilbert M., J. L. Sardinas, and J. B. Routien, to Chas. Pfizer & Co., Inc. 2,721,163, Cl. 195—51.  
Shulton, Inc.: *See*—  
Kimball, William L. 2,718,987.  
Shults, George W., to Brasco Mfg. Co. 2,707,123, Cl. 292—256.69.  
Shultz, John F.: *See*—  
Hein, Lawrence B., Rindt, Shultz, and Tarbutton. 2,706,146.  
Shumaker, John F., to Bendix-Westinghouse Automotive Air Brake Co. 2,728,517, Cl. 230—46.  
Shuman, Paul. 2,704,475, Cl. 81—61.  
Shuman, William P., Jr.: *See*—  
1,712,602, Cl. 136—111.  
Shumard, Roland S.: *See*—  
Beaver, David J., Shumard, and Stoffel. 2,713,036.  
Shumard, Roland S., to Monsanto Chemical Co. 2,703,301, Cl. 167—31.  
Shupe, Marvin: *See*—  
Boles, Robert W., and Shupe. 2,699,012.  
Shuptrine, J. C. and A. C. Oden, to G. A. Butler. 2,715,536, Cl. 285—22.  
Shurcliff, William A., to Polaroid Corp. 2,705,757, Cl. 250—71.  
Shurcliff, William A., to Polaroid Corp. 2,707,237, Cl. 250—71.  
Shurter, Robert A., to Commercial Solvents Corp. 2,717,853, Cl. 195—31.  
Shurts, Wilbur F.: *See*—  
Black, James B., and Shurts. 2,702,616.  
Shurts, Wilbur F., to Twin Disc Clutch Co. 2,727,601, Cl. 192—3.2.  
Shusterman, Meyer. 2,723,469, Cl. 36—72.  
Shute, John S.: *See*—  
Teeson, Robert F. 2,719,286.  
Teeson, Robert F. 2,724,337.  
Shuter, William M. 2,703,688, Cl. 248—72.  
Shutt, John C.: *See*—  
Meyers, George L., Shutt, and Schriener. 2,705,041.  
Shuttleworth, Charles A. 2,715,957, Cl. 198—33.  
Shuttleworth, Rose A.: *See*—  
Bradshaw, Benjamin C., and Shuttleworth. 2,718,539.  
Shutts, Leroy W., to General Motors Corp. 2,728,354, Cl. 138—37.  
Shuxteau, Eugene A., to Container Corp. of America. 2,718,997, Cl. 229—27.  
Shvets, Roman E. 2,725,997, Cl. 214—331.  
Shwayder Brothers: *See*—  
Adler, John B. 2,708,146.  
Adler, John B. 2,719,068.  
Adler, John B. 2,719,574.  
Axtell, Willard G. 2,721,835.  
Sias, Frederick R., to General Electric Co. 2,710,376, Cl. 324—97.  
Sias, Roy C., to Continental Oil Co. 2,708,210, Cl. 260—677.  
Sibert, James M., deceased, by W. A. Sibert, administrator. 2,725,807, Cl. 97—4.  
Sibert, Merle E.: *See*—  
Steinberg, Morris A., Sibert, and Topinka. 2,707,169.  
Wainer, Eugene, and Sibert. 2,707,168.  
Wainer, Eugene, and Sibert. 2,714,575.  
Sibert, Merle E., and Q. H. McKenna, to Horizons Titanium Corp. 2,723,182, Cl. 23—88.  
Sibert, Worth A.: *See*—  
Sibert, James M. 2,725,807.  
Sibley, John R., to Joy Mfg. Co. 2,707,522, Cl. 180—9.1.  
Sibley, Joseph F. 2,723,807, Cl. 242—83.  
Sibley, Richard M., to American Cyanamid Co. 2,720,788, Cl. 73—422.  
Siciliano, Anthony J.: *See*—  
Keen, Everett M., and Siciliano. 2,699,250.  
Schneider, Fred B., and Siciliano. 2,713,967.  
Siciliano, Anthony J., to E. M. Keen. 2,705,474, Cl. 119—52.  
Sickinger, Hans: *See*—  
Gaul, Max. 2,710,791.  
Sickler, Thoburn. 2,724,889, Cl. 27—35.  
Siddiqui, Salimuzzaman, K. K. Sarin, and J. P. Varma, to Council of Scientific and Industrial Research. 2,707,686, Cl. 106—200.  
Siddle, John K.: *See*—  
Manor, Paul A., and Siddle. 2,712,352.  
Sides, Ruby R. 2,714,962, Cl. 209—437.  
Sidler, Clement J., Jr. 2,704,227, Cl. 298—19.  
Sidler, Walter J.: *See*—  
Nanz, Ernst. 2,708,167.  
Nanz, Ernst. 2,721,062.  
Sieb, Henry. 2,712,141, Cl. 11—1.  
Siebengartner, George W., C. S. Dugan, and D. E. Humbert, to the United States of America as represented by the Secretary of the Navy. 2,722,125, Cl. 74—5.6.  
Sieber, Carroll W.: *See*—  
Magri, Ralph J., Jr., and Sieber. 2,721,793.  
Siebert, Melvin R. 2,708,806, Cl. 43—42.33.  
Siebert, Milan J.: *See*—  
Raney, William E. 2,718,376.  
Siebert, Ray O., to W. P. Equipment Corp. 2,701,573, Cl. 134—49.  
Siebert, Werner. 2,702,039, Cl. 131—193.  
Siebert, Werner E., to Bissell Carpet Sweeper Co. 2,712,950, Cl. 285—161.  
Siebring, Barton G. 2,698,507, Cl. 56—26.  
Siecke, Paul, to Gulf Oil Corp. 2,710,279, Cl. 196—52.  
Siefert, John T., Sr., to Northrop Aircraft, Inc. 2,699,933, Cl. 266—37.  
Siefken, Stuart B. 2,720,858, Cl. 114—222.  
Sieg, Robert P., and H. B. Wellman, to California Research Corp. 2,706,741, Cl. 260—683.3.  
Siegal, Norman A., to I. Swartzberg. 2,713,960, Cl. 226—72.  
Siegel, Clarence J. 2,716,835, Cl. 43—95.  
Siegel, Martin: *See*—  
Markus, George, and Siegel. 2,710,046.  
Markus, George, and Siegel. 2,723,477.  
Markus, George, and Siegel. 2,726,941.



- Siegel, Walter: *See*—  
Lambach, Fritz, and Siegel. 2,720,093.
- Siegenthaler, Walter, to Maschinenfabrik Scharer. 2,728,528, Cl. 242—32.
- Siegerist, Walter, to Continental Foundry & Machine Co. 2,712,249, Cl. 78—21.
- Siegerist, Walter L., to Continental Foundry & Machine Co. 2,714,917, Cl. 153—35.
- Siegerist, Walter L., to Continental Foundry & Machine Co. 2,720,242, Cl. 153—94.
- Siegerist, Walter L., to Continental Foundry & Machine Co. 2,720,243, Cl. 153—104.
- Siegerist, Walter, to Continental Foundry & Machine Co. 2,724,422, Cl. 153—98.
- Siegrist, Adolf E., to Ciba Ltd. 2,719,155, Cl. 260—249.6.
- Siegrist, Paul F., to Erie Resistor Corp. 2,715,256, Cl. 25—17.
- Siekman, Harold J., and G. W. Luning, to The R. K. Le Blond Machine Tool Co. 2,728,254, Cl. 82—14.
- Siemens Brothers & Co. Ltd.: *See*—  
Halley, Albert M. 2,723,391.
- Siemens & Halske Aktiengesellschaft: *See*—  
Heywang, Hermann. 2,714,565.
- Jacobi, Werner. 2,717,299.
- Katz, Helmut. 2,718,607.
- Kreuzer, Friedrich. 2,721,232.
- Lieneweg, Fritz, Honrath, and Kaske. 2,702,494.
- Lockemann, Wilhelm, and Bodenstern. 2,700,067.
- Müller, Werner. 2,719,935.
- Steiner, Ernst, Noss, and Dauner. 2,728,036.
- Ulrich, Fritz, Centmaier, Eder, Hofmann, and Döring. 2,701,824.
- Ulrich, Fritz, Lohs, Hofmann, Centmaier, and Eder. 2,724,747.
- Wolff, Otto. 2,714,678.
- Siemens-Planawerke Aktiengesellschaft Fuer Kohlefabrikate: *See*—  
Mann, Franz J. 2,725,032.
- Siemens-Schuckertwerke Aktiengesellschaft: *See*—  
Baumann, Ulrich, and Mehrlitz. 2,721,278.
- Blattmann, Albert. 2,724,282.
- Falk, Werner. 2,702,362.
- Gieffers, Friedrich. 2,724,756.
- Gramatke, Hans. 2,725,847.
- Jänner, Rudolf. 2,700,126.
- Paschen, Paul. 2,705,105.
- Pontow, Werner. 2,725,221.
- Sihler, Immanuel, and Biersack. 2,717,287.
- Tittle, Josef, Baumann, and Ott. 2,710,931.
- Volk, Paul. 2,727,196.
- Wagenseil, Ludwig. 2,705,292.
- Waldkötter, Erich G. R. 2,718,688.
- Weissheimer, Herbert, and Roseau. 2,707,738.
- Zühlke, Marcel. 2,707,740.
- Sieminski, Francis R. Re. 23,996, Cl. 311—3.
- Siempelkamp, Eugen. 2,728,468, Cl. 214—16.6.
- Siering, Robert L., to Johns-Manville Corp. 2,704,865, Cl. 20—4.
- Siering, Robert L., to Johns-Manville Corp. 2,706,314, Cl. 20—4.
- Sierra Machinery Co., Inc.: *See*—  
Urquhart, Archibald M. 2,724,934.
- Siestrunk, Raymond: *See*—  
Fabri, Jean, and Siestrunk. 2,721,693.
- Sietman, Herbert E., to Thompson Products, Inc. 2,716,401, Cl. 123—188.
- Sievert, Theodore J., to Kroehler Mfg. Co. 2,725,909, Cl. 144—281.
- Sieverts, William C. 2,707,605, Cl. 244—150.
- Sifrin, Andreas, to The Babcock & Wilcox Co. 2,709,424, Cl. 122—235.
- Sifrin, Andreas, to The Babcock & Wilcox Co. 2,717,563, Cl. 110—28.
- Sigel, Carl A., and A. Lindner, to Chicago Forging & Mfg. Co. 2,700,293, Cl. 70—156.
- Siggel, Erhard. 2,710,849, Cl. 260—40.
- Sights, Charles B. 2,702,599, Cl. 169—28.
- Sigler, Jesse E.: *See*—  
Dunham, Raymond E., Sigler, and Oetjen. 2,713,760.
- Sigman, Norman D. 2,713,979, Cl. 242—130.
- Signa-Craft, Inc.: *See*—  
Stupell, Norman J. 2,699,618.
- Signaigo, Frank K., to the United States of America as represented by the Secretary of the Navy. 2,700,658, Cl. 260—79.1.
- Signal Engineering & Mfg. Co.: *See*—  
Werner, Carlton P. 2,708,245.
- Signal-Stat Corp.: *See*—  
Welsh, James W. 2,706,226.
- Welsh, James W. 2,706,227.
- Welsh, James W. 2,706,228.
- Welsh, James W. 2,708,697.
- Welsh, James W. 2,712,044.
- Welsh, James W. 2,712,045.
- Signode Steel Strapping Co.: *See*—  
Crosby, George A. 2,710,435.
- Leslie, John H., II, and Crosby. 2,707,429.
- Leslie, John H., II, and Crosby. 2,707,430.
- Sigo, Arthur T.: *See*—  
Timms, Ross L., and Sigo. 2,698,713.
- Sigvardt, Knud, to A/S R. Sigvardt. 2,723,160, Cl. 299—73.
- Sihler, Emilie L.: *See*—  
Sihler, Immanuel, and Biersack. 2,717,287.
- Sihler, Immanuel, deceased (E. L. Sihler, née Orłowsky, executrix), and J. Biersack, to Siemens-Schuckertwerke Aktiengesellschaft. 2,717,287, Cl. 200—48.
- Sihpol, William B. 2,720,808, Cl. 84—341.
- Silvonen, Yro T., to General Motors Corp. 2,725,501, Cl. 315—58.
- Sikorra, Daniel J., to Allis-Chalmers Mfg. Co. 2,722,654, Cl. 323—1.
- Sikorra, Daniel J., to Allis-Chalmers Mfg. Co. 2,728,071, Cl. 340—253.
- Sikorski, Thaddeus G. 2,706,586, Cl. 222—400.8.
- Silabert Corp.: *See*—  
Moore, Harry O. 2,706,293.
- Silbaugh, Elmer F. 2,725,995, Cl. 214—131.
- Silber, Victor B. 2,712,767, Cl. 82—24.
- Silberman, Samuel, to Faster Food Products Co. 2,701,202, Cl. 99—116.
- Silberstein, Victor. 2,715,396, Cl. 123—179.
- Silentbloc Ltd.: *See*—  
Hutton, Philip C. 2,720,374.
- Hutton, Philip C. 2,728,593.
- Silex Co., The: *See*—  
Rodwick, Frank P. 2,719,479.
- Se Bastian, Ford. 2,715,495.
- Silicote Corp., The: *See*—  
Talbot, Richard L. 2,727,846.
- Silk, Charles E., to Olin Mathieson Chemical Corp. 2,720,358, Cl. 233—21.
- Sill, Robert E. 2,719,632, Cl. 211—22.
- Sillars, George S., to Hoague-Sprague Corp. 2,723,601, Cl. 93—36.3.
- Silliman, Grant F., to Manufacturers and Traders Trust Co., and J. A. Ahern and D. D. Nash, executors of the estate of K. R. Wilson, deceased. 2,707,819, Cl. 29—289.
- Sillitto, George P.: *See*—  
Davidson, Samuel H., and Sillitto. 2,711,366.
- Sillitto, George P., and J. B. Howat, to Imperial Chemical Industries Ltd. 2,700,336, Cl. 102—25.
- Sillitto, George P., and A. Butchart, to Imperial Chemical Industries Ltd. 2,711,948, Cl. 52—7.
- Sills, Joseph A. 2,706,470, Cl. 123—65.
- Silombra, Armando. 2,724,912, Cl. 36—11.5.
- Silva, John. 2,716,571, Cl. 294—79.
- Silva, William C., to General Electric Co. 2,716,886, Cl. 62—4.
- Silven, Herbert A., to Norton Co. 2,710,494, Cl. 51—50.
- Silver, Irving: *See*—  
Erickson, Porter W., and Silver. 2,720,470.
- Silver, Nathaniel, to Sorensen & Co., Inc. 2,721,303, Cl. 321—18.
- Silver, Nathaniel, and D. W. Tanner, to Sorensen & Co., Inc. 2,721,304, Cl. 321—19.
- Silver, Sigmund. 2,727,238, Cl. 2—20.
- Silver, Walter H., and J. I. Cantral, to Deere & Co. Re. 24,018, Cl. 97—53.
- Silver, Walter H., and W. V. Lohrman, to Deere & Co. 2,713,295, Cl. 97—46.39.
- Silver, Walter H., and R. E. Cox, to Deere & Co. 2,713,296, Cl. 97—47.1.
- Silver, Wilfred, and M. Richman. 2,707,283, Cl. 2—159.
- Silver Creek Precision Corp.: *See*—  
Lear, Joseph D. 2,716,306.
- Silverman, Arnold. 2,712,316, Cl. 131—182.
- Silverman, Emanuel. 2,708,238, Cl. 250—20.
- Silverman, Irving. 2,705,949, Cl. 128—2.
- Silverman, Julian H.: *See*—  
Lutz, Irving, and Silverman. 2,715,161.
- Silverman, Julius L. 2,713,845, Cl. 116—121.
- Silverman, Rudolph J. 2,716,440, Cl. 155—124.
- Silverman, Sebet, to The Nurre Companies, Inc. 2,702,956, Cl. 40—156.
- Silverman, Sebet, to The Nurre Companies. 2,716,299, Cl. 40—156.
- Silverman, Shirleigh: *See*—  
Bullock, Byrrell W., and Silverman. 2,723,589.
- Silverstein, Esther. 2,723,465, Cl. 35—35.
- Silverstein, Isidore, J. M. Lipschultz, and V. Genender. 2,707,296, Cl. 15—164.
- Silverstein, Sanford A.: *See*—  
Schweich, Edward F., Silverstein, and Goldenberg. 2,716,482.
- Silvestri, Frank V., and E. J. Loehnis; said Silvestri assor. to said Loehnis. 2,722,344, Cl. 222—183.
- Silvestri, Herbert: *See*—  
Tumerman, Leon, Silvestri, and Burke. 2,708,166.
- Silvey, Agnes M., 1/2 to C. W. Silvey, Jr. 2,725,249, Cl. 292—140.
- Silvey, Corwin W., Jr.: *See*—  
Silvey, Agnes M. 2,725,249.
- Sim, Alan A.: *See*—  
Johnston, Virgil S., and Sim. 2,704,232.
- Simanek, Edward J., to American Steel Foundries. 2,716,468, Cl. 188—56.
- Simenson, Louis O., to The Dow Chemical Co. 2,714,045, Cl. 308—36.3.
- Simjian, Luther G. 2,699,100, Cl. 95—1.1.
- Simjian, Luther G., to The Reflectone Corp. 2,711,606, Cl. 41—24.
- Simjian, Luther G., to The Reflectone Corp. 2,711,667, Cl. 88—16.
- Simjian, Luther G. 2,715,338, Cl. 73—379.
- Simko, Andrew, Sr., deceased (A. Simko, administratrix). 2,718,238, Cl. 137—527.2.



- Simko, Anna: *See*—  
Simko, Andrew, Sr. 2,718,238.
- Simler, Oscar J., and B. C. Saunier, to Borg-Warner Corp. 2,714,241, Cl. 29—17.
- Simmering-Graz-Pauker Aktiengesellschaft für Maschinen-Kessel-und Waggonbau: *See*—  
Ledinegg, Maximilian (Max). 2,709,629.
- Simmonds Aerocessories, Inc.: *See*—  
Isreeli, Jack, and Morris. 2,720,344.
- Simmonds Development Corp. Ltd.: *See*—  
Smith, Stanley J. Re. 24,082.
- Simmonds, Milo R., to the United States of America as represented by the Secretary of the Air Force. 2,703,607, Cl. 158—46.
- Simmons, Arthur B., to Eastman Kodak Co. 2,716,012, Cl. 248—125.
- Simmons, Arthur B., and R. Kingslake, to Eastman Kodak Co. 2,715,854, Cl. 88—57.
- Simmons, Bethel A. 2,698,617, Cl. 128—24.1.
- Simmons, Charles E. G.,  $\frac{1}{2}$  to Tate & Lyle Ltd., and  $\frac{1}{2}$  to Watson, Laidlaw & Co. Ltd. 2,700,396, Cl. 137—565.
- Simmons, Charles J. 2,721,092, Cl. 292—172.
- Simmons Co.: *See*—  
Bayer, Matthew F. 2,710,412.  
Travis, Don C. 2,698,442.
- Simmons, David M.: *See*—  
Belyeu, Henry. 2,722,966.
- Simmons, Drury M. 2,711,220, Cl. 166—187.
- Simmons, Drury M. 2,721,614, Cl. 166—46.
- Simmons, Ernest P. 2,711,042, Cl. 42—42.
- Simmons, Frank L. 2,700,744, Cl. 317—159.
- Simmons, Frederick F. 2,709,868, Cl. 43—17.6.
- Simmons, Haryl C. 2,723,087, Cl. 242—84.8.
- Simmons, Lillian P., and F. J. Connova. 2,704,851, Cl. 12—142.
- Simmons, Lovel R. 2,718,410, Cl. 280—406.
- Simmons National Bank, The: *See*—  
Voss, Otto J. 2,714,809.  
Voss, Otto J. 2,720,118.
- Simmons, Orien W., to the United States of America as represented by the Secretary of the Army. 2,714,236, Cl. 22—65.
- Simmons, Richard G., and R. E. Paulson. 2,712,841, Cl. 144—119.
- Simmons, Richard W.: *See*—  
Biery, Galen A., and Simmons. 2,700,590.
- Simmons, Russell T., to General Electric Co. 2,722,574, Cl. 200—16.
- Simmons, Russell T., to General Electric Co. 2,727,974, Cl. 219—20.
- Simms, Ernest H., and F. D. Taylor, to United Shoe Machinery Corp. 2,718,648, Cl. 12—59.5.
- Simms, T. S., & Co. Ltd.: *See*—  
Barr, George M. 2,725,586.
- Simon, Alfred J., and M. Zucker. 2,720,655, Cl. 2—115.
- Simon-Carves Ltd.: *See*—  
Bostock, William. 2,699,673.
- Simon, Eli, and F. W. Thomas, to Lockheed Aircraft Corp. 2,698,838, Cl. 260—2.5.
- Simon, Eli, F. W. Thomas, and L. A. Dixon, Jr., to Lockheed Aircraft Corp. 2,728,702, Cl. 154—83.
- Simon, Eli, and F. W. Thomas, to Lockheed Aircraft Corp. 2,728,741, Cl. 260—43.
- Simon, George R. 2,714,532, Cl. 301—108.
- Simon, Henry, Ltd.: *See*—  
Du Heaume, Francis H. 2,726,076.
- Simon, Lester. 2,728,389, Cl. 160—199.
- Simon, Louis M.,  $\frac{1}{2}$  to A. A. Galvani. 2,727,239, Cl. 2—49.
- Simon, Simon A., and H. C. Ruhf, to Chicopee Mfg. Corp. 2,717,193, Cl. 8—111.
- Simonelli, Angelo, to General Electric Co. 2,722,522, Cl. 260—17.2.
- Simonoff, Robert, to William H. Rorer, Inc. 2,726,259, Cl. 260—47.2.
- Simons, Leonard B.: *See*—  
Greenspon, Henry, and Simons. 2,708,285.
- Simpelaar, Clyde S., to Modine Mfg. Co. 2,703,226, Cl. 257—263.
- Simpelaar, Clyde S., to Modine Mfg. Co. 2,703,700, Cl. 257—245.
- Simpelaar, Clyde S., to Modine Mfg. Co. 2,703,701, Cl. 257—246.
- Simpkins, Isaac A. 2,726,484, Cl. 47—1.
- Simpkins, Robert L., J. S. Materka, and H. A. Elliott, to Essex Wire Corp. 2,724,092, Cl. 339—26.
- Simpkiss, John O., Jr., to Radio Corp. of America. 2,723,238, Cl. 252—62.5.
- Simplex Incinerator Corp.: *See*—  
Knipe, Leland T., and Martin. 2,698,587.
- Simplex Industries, Inc.: *See*—  
Mich, Maurice. 2,724,896.
- Simplex Paper Corp.: *See*—  
Wood, Robert H. 2,721,816.
- Simplex Time Recorder Co.: *See*—  
Hobby, Harold E. 2,701,522.
- Rixford, Henry K., Rockwood, and Maki. 2,703,268.
- Rockwood, Albert E. 2,720,364.
- Simpson, Alvan D., to The Forming Machine Co. of America, Inc. 2,723,599, Cl. 92—38.
- Simpson, Clarence E., to the United States of America as represented by the Secretary of the Army. 2,710,477, Cl. 42—25.
- Simpson, De Roy. 2,712,918, Cl. 251—147.
- Simpson, Dorothy M. 2,708,808, Cl. 45—61.
- Simpson, Franklin S., to Illinois Stoker Co. 2,699,130, Cl. 110—40.
- Simpson, Glenn H.: *See*—  
Hayden, Martin W., MacIsaac, Suttentfield, and Simpson. 2,712,907.
- Simpson, Herbert, Corp.: *See*—  
Horth, Walter. 2,707,314.  
Horth, Walter. 2,714,237.  
Horth, Walter. 2,727,696.
- Simpson, Homer H. 2,705,641, Cl. 279—41.
- Simpson, Howard W. 2,703,155, Cl. 188—77.
- Simpson, Joseph A.,  $\frac{1}{2}$  to M. Hearst. 2,722,777, Cl. 46—247.
- Simpson, Justin, to Continental Can Co., Inc. 2,723,748, Cl. 209—74.
- Simpson, Paul F.: *See*—  
Sanford, Roy S., Simpson, and Casler. 2,725,148.
- Simpson, Richard T. 2,710,074, Cl. 188—5.
- Simpson, Rodgers, Smith, and Hunting: *See*—  
Rodgers, Lester W. 2,711,333.
- Simpson, Thomas P., P. D. Branton, and C. J. Plank, to Socony Mobil Oil Co., Inc. 2,727,868, Cl. 252—449.
- Simpson, Verne G., to United States Rubber Co. 2,716,644, Cl. 260—92.8.
- Simpson, Walter M., to Servel, Inc. 2,709,347, Cl. 62—119.
- Simpson, Warren C., to Shell Development Co. 2,704,738, Cl. 196—14.12.
- Simpson, Warren O., and J. H. Thompson, to Western Electric Co., Inc. 2,722,356, Cl. 226—19.
- Simpson, William F., to Minneapolis-Moline Co. 2,702,501, Cl. 97—47.14.
- Simpson, William F., and T. Blackman, to Minneapolis-Moline Co. 2,723,163, Cl. 302—19.
- Simrose, Herman O. 2,720,147, Cl. 97—46.59.
- Sims, Edgar H., and W. C. Morrow. 2,711,180, Cl. 135—3.
- Sims, George A. 2,706,472, Cl. 123—119.
- Sims, Leo A. 2,707,072, Cl. 224—42.42.
- Sims, Marion W., E. C. Hill, and A. M. Krakower, to General Electric Co. 2,717,335, Cl. 315—183.
- Sims, Raymond B. 2,726,541, Cl. 73—88.5.
- Sims, Raymond U., to the United States of America as represented by the Secretary of the Navy. 2,716,212, Cl. 321—27.
- Sims, Walter W.: *See*—  
Anderson, Alfred J., Berlant, and Sims. 2,718,017.
- Simshauser, Herbert H. 2,722,190, Cl. 114—207.
- Sinclair, Charles W., to Kelsey-Hayes Wheel Co. 2,701,628, Cl. 188—79.5.
- Sinclair Oil and Gas Co.: *See*—  
Kaasa, Orin G. 2,722,278.
- Sinclair Refining Co.: *See*—  
Apgar, Frank A. 2,704,779.  
Beare, Leonard E. 2,715,612.  
Borgerson, Benjamin T., and Smith. 2,699,421.  
Brown, Lee V., Kjonaas, and Hack. 2,727,861.  
Dorinson, Amos. 2,711,395.  
Dorinson, Amos. 2,711,396.  
Erickson, Henry. 2,719,010.  
Foster, Robert L. 2,721,210.  
Friedman, Bernard S. 2,700,638.  
Hunn, Olen D. 2,727,847.  
Johnson, Virgil A. 2,721,170.  
Martin, Edward J. 2,726,261.  
Nelson, John W. 2,721,149.  
Nelson, John W. 2,723,988.  
Russell, Howard G. 2,719,115.  
Safford, Donald E. 2,699,060.  
Smith, Kenneth A. 2,709,064.  
Teter, John W. 2,699,430.  
Watson, Kenneth M. 2,707,702.
- Sinclair, Robert L.: *See*—  
Shnitzler, Meyer J., and Sinclair. 2,702,116.
- Sinclair, Robert L., to The Gillette Co. 2,722,308, Cl. 206—16.
- Sindeband, Seymour J., to Mercast Corp. 2,711,570, Cl. 22—195.
- Sinden, Alfred D.: *See*—  
Kendall, Myron A., and Sinden. 2,701,049.
- Sindler, Jay J., to Spir-It, Inc. 2,717,463, Cl. 40—11.
- Sindoni, Rocco: *See*—  
Derrig, Donald J. 2,714,511.
- Singdale, Fred N., to Magnaflex Corp. 2,724,964, Cl. 73—88.
- Singer, Fritz. 2,728,696, Cl. 148—6.35.
- Singer, Fritz, and F. Haase, to Tube Reducing Corp. 2,713,801, Cl. 80—12.
- Singer, George G.: *See*—  
Singer, Monroe J., and G. G. 2,714,037.
- Singer, Gordon G. 2,698,716, Cl. 235—88.
- Singer, Kurt, to Radio Corp. of America. 2,727,096, Cl. 179—100.2.
- Singer Mfg. Co., The: *See*—  
Breul, Fredric W. 2,718,204.  
Edwards, William J. 2,727,478.  
Fuge, Harry B. 2,727,162.  
Garbe, Rudolf. 2,698,590.  
Hale, Arthur N. 2,709,371.  
Hale, Arthur N. 2,726,614.  
Happe, Reynold. 2,711,461.  
Happe, Reynold. 2,721,692.  
Happe, Reynold, and Langille. 2,710,949.  
Hayes, Frank A. 2,722,183.  
Hengstler, Charles. 2,715,376.  
Ivanko, Michael F. 2,721,526.  
Johnson, Ralph E. 2,698,589.  
Johnson, Ralph E., and Kerr. 2,713,838.



- Singer Mfg. Co., The: *See*—Continued.  
 Johnson, Ralph E., and Park. 2,718,202.  
 Jullie, Joseph T. 2,711,144.  
 Knaus, Nicholas, and Millington. Re. 24,005.  
 Matuzas, Anthony J. 2,705,035.  
 Matuzas, Anthony J. 2,723,635.  
 Matuzas, Anthony J. 2,724,354.  
 Mayer, Eugene O. 2,715,883.  
 Parry, Frank. 2,716,956.  
 Parry, Frank. 2,718,862.  
 Parry, Frank. 2,725,839.  
 Peets, Wilbur J., Happe, and Matuzas. 2,706,956.  
 Platt, John. 2,722,904.  
 Poffenberger, Everett. 2,722,186.  
 Reid, Orland B. 2,699,744.  
 Reid, Orland B. 2,712,801.  
 Ritter, Herman. 2,718,858.  
 Ritter, Herman, and Kessler. 2,715,553.  
 Spaine, Edward P. 2,715,375.  
 Stewart, Robert W. 2,716,955.  
 Sweet, Ray D. 2,722,184.  
 Turner, Edgar P. 2,702,214.  
 Turner, Edgar P. 2,717,967.  
 Turner, Edgar P., and Herr. 2,718,566.  
 Turner, Edgar P., and Wendel. 2,718,945.  
 Webb, Irving F. 2,727,754.  
 Wendel, Lorenz A. 2,721,279.  
 Wendel, Lorenz A. 2,724,470.  
 Zeier, Frederick F. 2,718,859.  
 Zeier, Frederick F. 2,725,840.
- Singer, Monroe J. and G. G. 2,714,037, Cl. 299—60.  
 Singh, John D.: *See*—  
 Bartell, Guillermo S. 2,706,507.
- Singleton, Benoit M., to Woodlin Metal Products. 2,699,232, Cl. 189—69.  
 Singleton, Wm. H., Co., Inc.: *See*—  
 Sheffield, Frederick T. 2,712,164.
- Singley, Leslie K. 2,719,389, Cl. 51—197.  
 Sinkler, Deas, to The Duriron Co., Inc. 2,728,550, Cl. 251—317.  
 Sinko, John, to Sinko Mfg. & Tool Co. 2,721,096, Cl. 296—91.  
 Sinko Mfg. & Tool Co.: *See*—  
 Andrews, Nickolas P. 2,706,049.  
 Nielsen, Howard O. 2,702,928.  
 Sinko, John. 2,721,096.
- Sinmonon, Howard I.: *See*—  
 Griffin, Edward L., Jr., Sinmonon, and Willard. 2,719,970.
- Sinquefield, Charles A.: *See*—  
 Harris, Samuel A., and Sinquefield. 2,704,642.
- Sinski, Henry A., and R. F. Kelly. 2,706,910, Cl. 73—159.  
 Sintercast Corp. of America: *See*—  
 Goetzel, Claus G. 2,714,245.  
 Goetzel, Claus G. 2,714,556.
- Sintz, Edward C., and G. C. Trevarthen, to General Motors Corp. 2,702,219, Cl. 309—8.  
 Siok, Frank S. 2,721,507, Cl. 95—73.  
 Sioux Steel Co., The: *See*—  
 Rysdon, Max L. 2,704,501.
- Siper S. A.: *See*—  
 D'Ozouville, Francois. 2,714,435.
- Sipior, George C., to J. F. Sipior. 2,721,081, Cl. 272—37.  
 Sipior, Joseph F.: *See*—  
 Sipior, George C. 2,721,081.
- Sipler, Pence, Jr. 2,705,098, Cl. 223—102.  
 Sire, Edouard M. 2,722,423, Cl. 273—129.  
 Sires, Christena E. 2,705,010, Cl. 128—284.  
 Sirianni, Aurelio F.: *See*—  
 Puddington, Ira E., and Sirianni. 2,714,091.
- Siris, A. J., Products Corp.: *See*—  
 Del Savio, Lawrence J., and J. B. 2,712,846.
- Sirmay, Julius, and R. E. Zeruneith; said Sirmay assor. to The Ordnance Gauge Co. 2,705,410, Cl. 66—155.  
 Sirois, Albert: *See*—  
 Devost, Camille, and Sirois. 2,725,256.
- Sisco, Carl W., to Surface Combustion Corp. 2,698,717, Cl. 236—15.  
 Sisco, Gusta A. 2,724,815, Cl. 339—240.  
 Sisco, William E., and J. S. Wiedrecht, to American Cyanamid Co. 2,708,653, Cl. 202—57.  
 Sisk, William C., and J. C. Bruno. 2,725,595, Cl. 18—35.  
 Siskel, Manuel, to Radio Corp. of America. 2,711,507, Cl. 323—22.  
 Siskind, Charles S. 2,715,204, Cl. 318—224.  
 Siskind, Philip, to Ward Leonard Electric Co. 2,721,298, Cl. 318—207.  
 Sisler, Harry H., and R. Mattair, to The Ohio State University Research Foundation. 2,710,248, Cl. 23—190.  
 Sisley, Leslie J., and P. H. Camp; said Sisley assor. to said Camp. 2,707,523, Cl. 180—79.2.  
 Sisson, Homer B., to The Firestone Tire & Rubber Co. 2,713,379, Cl. 154—1.  
 Sisulak, Michael S., to International Harvester Co. 2,718,159, Cl. 74—722.  
 Sittler, Richard W., to Aurora Equipment Co. Re. 24,009, Cl. 312—111.  
 Sitterly, Bancroft W., to the United States of America as represented by the Secretary of the Navy. 2,698,935, Cl. 343—103.  
 Sitterly, Charles K.: *See*—  
 Adams, Paul L., Norman, and Sitterly. 2,716,447.
- Siu, Ralph G. H. 2,722,718, Cl. 18—47.3.  
 Sivalis Tanks, Inc.: *See*—  
 Lovelady, Isaac W., and Kroeker. 2,706,531.
- Siverson, Harry E. 2,713,276, Cl. 76—112.  
 Sivola, George. 2,701,763, Cl. 92—13.  
 Six, Willem, and J. Domburg, to Hartford National Bank and Trust Co., trustee. 2,714,162, Cl. 250—36.  
 Six, Willem, J. Domburg, and J. T. A. van Lottum, to Hartford National Bank and Trust Co. 2,719,250, Cl. 315—166.  
 Sjodin, Arne V., and G. T. Melby. 2,715,989, Cl. 224—1.  
 Skafte, Stanley F.: *See*—  
 Abbott, John H., and Skafte. 2,724,547.
- Skalkeas, Basil G., to the United States of America as represented by the Secretary of Agriculture. 2,724,657, Cl. 117—7.  
 Skardal, Karl A., and O. B. Börjeson, to Leje & Thurne Aktiebolag. 2,707,420, Cl. 92—26.  
 Skareen, Willard C., to The Bingham-Herbrand Corp. 2,716,902, Cl. 74—541.  
 Skarke, Edmund W. 2,715,248, Cl. 20—52.6.  
 Skay, Frank, to Holley Carburetor Co. 2,722,584, Cl. 200—166.  
 Skei, Thurston: *See*—  
 Wachter, Aaron, and Skei. 2,711,360.
- Skeletti, Carmen M.: *See*—  
 Cantacuzene, Georges S. and C. M. 2,717,767.
- Skellett, Albert M., to National Union Radio Corp. 2,710,361, Cl. 315—21.  
 Skellett, Albert M., to National Union Radio Corp. 2,710,890, Cl. 178—5.4.  
 Skellett, Albert M., to National Union Electric Corp. 2,720,558, Cl. 179—100.2.  
 Skelley, John J. 2,721,740, Cl. 272—1.  
 Skelly, Joseph F., and S. R. Stiles, to The M. W. Kellogg Co. 2,716,592, Cl. 23—172.  
 Skelton, Jesse D., to Esso Research and Engineering Co. 2,726,131, Cl. 346—109.  
 Skelton, William E., W. V. Overbaugh, and H. A. Kirsch, to The Texas Co. 2,719,145, Cl. 260—96.5.  
 Skibitzke, Herbert E. 2,728,225, Cl. 73—204.  
 Skidgel, William A. 2,719,283, Cl. 340—41.  
 Skidmore, Walter H., to Weston Electrical Instrument Corp. 2,708,737, Cl. 324—125.  
 Skiff, Russell A., and R. W. Finholt, to General Electric Co. 2,707,177, Cl. 260—30.6.
- Ski Land Equipment Co.: *See*—  
 Boynton, Erwin R., and Rauch. 2,709,966.
- Skiles, Benjamin F., to E. I. du Pont de Nemours and Co. 2,716,142, Cl. 260—653.  
 Skiles, Benjamin F., to E. I. du Pont de Nemours and Co. 2,716,143, Cl. 260—653.  
 Skillin, Walter F., to Union Mfg. Co. 2,725,236, Cl. 279—116.  
 Skillman, Edward. 2,727,801, Cl. 346—8.  
 Skillman, Thomas S., to Punch Engineering Pty. Ltd. 2,698,699, Cl. 221—6.  
 Skillman, Thomas S., to Punch Engineering Pty. Ltd. 2,708,996, Cl. 194—10.
- Skinner Chuck Co., The: *See*—  
 Goepfrich, George A. 2,699,915.
- Skinner, Clawson N. 2,706,854, Cl. 32—10.  
 Skinner, Gordon B.: *See*—  
 Ruehrwein, Robert A., and Skinner. 2,720,281.  
 Ruehrwein, Robert A., and Skinner. 2,720,445.
- Skinner, Hazel B.: *See*—  
 Bletcher, Ralph E., and Ward. 2,706,998.  
 Bletcher, Ralph E., and Ward. 2,726,120.
- Skinner, Ralph F.: *See*—  
 McCullough, Lewell O., Price, Beam, and Skinner. 2,725,172.
- Skinner, Ralph L.: *See*—  
 Scheffler, William F., and Skinner. 2,728,821.
- Skinner, Ralph L., to Bendix Aviation Corp. 2,726,978, Cl. 154—81.  
 Skinner, Vincent A., to The Oilgear Co. 2,702,007, Cl. 103—161.  
 Sklar, Melvin S. 2,727,489, Cl. 119—5.
- Skoda-Works, National Corp.: *See*—  
 Fellmann, Rudolf. 2,701,569.
- Skodnek, Arthur, to Jasco Aluminum Products Corp. 2,716,037, Cl. 292—60.  
 Skolnick, Max, and J. Boxer. 2,724,109, Cl. 340—279.  
 Skolnik, Sol, and H. W. Kruse, to the United States of America as represented by the Secretary of the Navy. 2,712,496, Cl. 52—5.
- Skovsted, Aage T. 2,717,226, Cl. 167—46.  
 Skow, Ross E., to Berkley Machine Co. 2,709,951, Cl. 93—62.  
 Skowron, Edmund A., to Woodings-Verona Tool Works. 2,704,618, Cl. 221—263.
- Skrobisch, Alfred, to Allard Instrument Corp. 2,705,763, Cl. 310—112.  
 Skrobisch, Alfred, to Allard Instrument Corp. 2,707,334, Cl. 33—172.  
 Skrobisch, Alfred, to Allard Instrument Corp. 2,714,799, Cl. 60—23.
- Skromme, Arnold B.: *See*—  
 McClellan, Marcus E., and Skromme. 2,719,619.
- Skromme, Arnold B., to Deere Mfg. Co. 2,716,318, Cl. 56—1.  
 Skromme, Arnold B., to Deere Mfg. Co. 2,725,704, Cl. 56—15.  
 Skromme, Lawrence H., and J. R. West, to New Holland Machine Division of The Sperry Corp. 2,712,388, Cl. 214—82.
- Skubic, Leroy F. 2,700,520, Cl. 248—120.  
 Skunda, Michael, to General Motors Corp. 2,726,433, Cl. 25—156.
- Skupas, John A.: *See*—  
 Noelting, William H., and Skupas. 2,709,828.



- Skupas, John A., to Faultless Caster Corp. 2,707,795, Cl. 16—44.
- Skupas, John A., to Faultless Caster Corp. 2,712,366, Cl. 188—5.
- Skydyne, Inc.: *See*—  
Mautner, Steven E. 2,717,093.  
Mautner, Steven E. 2,724,468.
- Skylon Corp.: *See*—  
Glick, Jack, and Schuyler. 2,718,009.
- Slack, Frederic W., to Chrysler Corp. 2,707,887, Cl. 74—645.
- Slack, Ronald, to Parke, Davis & Co. 2,718,520, Cl. 260—307.
- Slagh, Harold R., to The Dow Chemical Co. 2,708,675, Cl. 260—457.
- Slate, Matthew W., to Allen B. Du Mont Laboratories, Inc. 2,727,148, Cl. 250—40.
- Slate, Matthew W., and E. G. Mannerberg, to Allen B. Du Mont Laboratories, Inc. 2,719,918, Cl. 250—27.
- Slate, Raymond N., to Moffats Ltd. 2,713,103, Cl. 200—167.
- Slate, Raymond N., and D. G. Smith, to Moffats Ltd. 2,701,286, Cl. 200—167.
- Slater, Saul I. 2,710,713, Cl. 226—20.1.
- Slatter, Brian H., T. G. Daish, and E. G. Caswell, to Armstrong Siddeley Motors Ltd. 2,699,219, Cl. 170—135.74.
- Slattery, Edward J. 2,705,102, Cl. 226—127.
- Slattery, Edward J. 2,726,103, Cl. 285—71.
- Slaughter, Bernard J., Jr., and W. Van Pelt, to The Crane & Breed Casket Co. 2,723,147, Cl. 292—302.
- Slaughter, Herbert H., Jr., and W. A. Von Wald, Jr., to Dayton Aircraft Products, Inc. 2,705,255, Cl. 174—179.
- Slaughter, Philip E.: *See*—  
Eckenbeck, Dana C., Slaughter, and Madden. 2,722,259.
- Slavic, Ladislav: *See*—  
Guljas, Geza, Slavic, and Stefanovic. 2,706,527.
- Slavin, Matthew, III, to United Geophysical Corp. 2,723,387, Cl. 340—15.
- Slaymaker, Frank H.: *See*—  
Meeker, Willard F., and Slaymaker. 2,727,423.
- Slayter, Games, to Owens-Corning Fiberglas Corp. 2,703,762, Cl. 106—105.
- Slayter, Games, to Owens-Corning Fiberglas Corp. 2,706,377, Cl. 57—140.
- Slayter, Games, and W. W. Drummond, to Owens-Corning Fiberglas Corp. 2,719,350, Cl. 28—1.
- Slayter, Games, and W. W. Drummond, to Owens-Corning Fiberglas Corp. 2,719,352, Cl. 28—72.
- Slechta, Henry C., to Western Electric Co., Inc. 2,712,296, Cl. 116—124.
- Sleeman, William C., and R. F. Karger, to Pullman-Standard Car Mfg. Co. 2,706,454, Cl. 105—410.
- Slepián, Joseph, to Westinghouse Electric Corp. 2,724,056, Cl. 250—41.9.
- Slepián, Joseph, to Westinghouse Electric Corp. 2,724,057, Cl. 250—41.9.
- Slepián, Joseph, to Westinghouse Electric Corp. 2,725,446, Cl. 200—147.
- Sleyman, Victor M. 2,704,898, Cl. 36—2.
- Slick, Thomas B., to United States Lift Slab Corporation. 2,715,013, Cl. 254—106.
- Slidell International, Ltd.: *See*—  
Lange, Max H. 2,702,064.  
Lange, Max H. 2,714,210.
- Sliger, Howard T. 2,698,755, Cl. 279—59.
- Slimovitz, Morris L. 2,728,082, Cl. 2—167.
- Slinkard, Raymond. 2,703,594, Cl. 144—296.
- Sloan, David H., to Research Corp. 2,720,611, Cl. 315—6.
- Sloan, Frank P. 2,722,514, Cl. 210—24.
- Sloan, Harry, to The Vilter Mfg. Co. 2,724,240, Cl. 62—3.
- Sloan, Harry B., and L. B. Swanson, to The Cushman Chuck Co. 2,703,242, Cl. 279—4.
- Sloan, Hugh J. 2,707,139, Cl. 311—82.
- Sloan Valve Co.: *See*—  
Colendar, Frederick J. 2,700,773.  
Miller, Malcolm T. 2,710,736.  
Russell, Irving H., Swartz, and Atherton. 2,710,621.
- Slobin, David. 2,720,345, Cl. 222—326.
- Slocombe, Robert J.: *See*—  
Saunders, James H., and Slocombe. 2,702,307.
- Slocombe, Robert J., and G. L. Wesp, to Monsanto Chemical Co. 2,719,140, Cl. 260—45.85.
- Slomski, Stanley L., to General Electric Co. 2,709,872, Cl. 49—81.
- Slonneger, Bruce K., to The Fogarty Mfg. Co. 2,704,216, Cl. 281—44.
- Slonneger, Bruce K. 2,704,546, Cl. 129—1.
- Slonneger, Bruce K. 2,723,513, Cl. 51—268.
- Slonneger, John C., to The Continental Supply Co. 2,707,040, Cl. 192—76.
- Slonneger, John C., to The Continental Supply Co. 2,720,301, Cl. 192—105.
- Slonneger, John C., to The Continental Supply Co. 2,725,751, Cl. 74—8.
- Slonneger, John L.: *See*—  
Culbertson, Robert J., and Slonneger. 2,722,613.
- Slopa, George W. and R. E. 2,718,026, Cl. 16—154.
- Slopa, George W. and R. E. 2,718,421, Cl. 292—165.
- Slopa, Robert E.: *See*—  
Slopa, George W. and R. E. 2,718,026.  
Slopa, George W. and R. E. 2,718,421.
- Slote, Herbert L. 2,722,754, Cl. 35—31.
- Slotta, Max A. 2,726,699, Cl. 152—236.
- Sloughter, Gordon S., to Schlumberger Well Surveying Corp. 2,720,584, Cl. 250—27.
- Slovinski, John. 2,700,832, Cl. 36—8.5.
- Slowik, Edward F. 2,720,382, Cl. 256—22.
- Sloyan, Jerome J. 2,707,659, Cl. 308—3.
- Slusser, Eugene A., to the United States of America as represented by the Secretary of the Navy. 2,711,532, Cl. 343—7.3.
- Slutz, Ralph J.: *See*—  
Elbourn, Robert D., and Slutz. 2,712,065.
- Slutz, Ralph J., to the United States of America as represented by the Secretary of Commerce. 2,727,143, Cl. 250—27.
- Sly, Leslie W.: *See*—  
Fisher, Herman G., Sly, Crawford, and Doe. 2,724,925.
- Slyker, Nellie C. 2,700,300, Cl. 73—103.
- Slysh, Paul, to American Machine & Foundry Co. 2,711,764, Cl. 146—101.
- Small, Alexander, to The Teasy Kettle Co. Ltd. 2,707,427, Cl. 99—290.
- Small, Chesley T., to Memphis Metal Mfg. Co., Inc. 2,722,418, Cl. 272—53.1.
- Small, Donald C., to the United States of America as represented by the Secretary of the Navy. 2,714,697, Cl. 318—231.
- Small, Douglas M.: *See*—  
Le Febvre, Alfred L., Small, and Johnson. 2,714,737.
- Small, Everett T. 2,700,833, Cl. 37—145.
- Small, Leslie C., Jr., to United Aircraft Corp. 2,715,508, Cl. 248—5.
- Small, Louis, and M. G. Antonik, to Service Diamond Tool Co. 2,726,540, Cl. 73—83.
- Smallberg, William A., Sr. 2,703,405, Cl. 2—239.
- Smallegan, Marvin L., to Automatic Poultry Feeder Co. 2,703,098, Cl. 137—408.
- Smallegan, Marvin L., to Automatic Poultry Feeder Co. 2,703,099, Cl. 137—428.
- Smallegan, Marvin L., to Automatic Poultry Feeder Co. 2,711,240, Cl. 193—6.
- Smallpiece, Cosby D. P. 2,706,968, Cl. 121—38.
- Smallpiece Ltd.: *See*—  
Holm, Hans F., and Hoppe. 2,709,450.
- Smallwood, Horace W., to Webley & Scott Ltd. 2,713,227, Cl. 42—25.
- Smardo, Frank, to Motorola, Inc. 2,713,492, Cl. 274—10.
- Smart, Avon. 2,716,386, Cl. 110—18.
- Smart, David L., to The English Electric Co. Ltd. 2,721,960, Cl. 315—258.
- Smart, David U. 2,724,981, Cl. 74—481.
- Smart, George S. 2,717,513, Cl. 72—10.
- Smart, Gordon B. 2,702,937, Cl. 29—547.
- Smart, William A.: *See*—  
Holyoak, John D., Robbins, Smart, and Wills. 2,722,023.
- Smart, William L., to Ransburg Electro-Coating Corp. 2,728,607, Cl. 299—63.
- Smart, William L., and R. C. Juvinall, to Ransburg Electro-Coating Corp. 2,728,606, Cl. 299—63.
- Smedley, John, to Rolls-Royce Ltd. 2,726,491, Cl. 51—62.
- Smellie, Donald G., to The Hoover Co. 2,713,221, Cl. 38—77.
- Smelt, Jozefus A. M., to Hartford National Bank and Trust Co., as trustee. 2,699,510, Cl. 313—83.
- Smidt, Henry: *See*—  
Smidt, Samuel and H. 2,722,258.
- Smidt, Samuel and H. 2,722,258, Cl. 150—1.5.
- Smidth, F. L., & Co.: *See*—  
Borch, Niels S. 2,710,280.  
Galle, Hans E. 2,708,602.  
Meyer, Erik V. 2,722,825.  
Petersen, Louis. 2,719,034.
- Smidth, F. L., & Co. A/S: *See*—  
Magnani, Alessandro. 2,718,822.
- Smiley, Gerald T. 2,721,412, Cl. 43—24.
- Smiley, Harry J., to James Lees and Sons Co. 2,700,401, Cl. 139—403.
- Smiley, Harry J., to James Lees & Sons Co. 2,715,917, Cl. 139—39.
- Smiley, Harry J., to James Lees and Sons Co. 2,715,921, Cl. 139—403.
- Smiley, Karl L., and L. Stone, to Hiram Walker & Sons Inc. 2,702,265, Cl. 195—28.
- Smiley, Seymour H.: *See*—  
Schmitt, Charles R., and Smiley. 2,706,676.
- Smillie, C. M., and Co.: *See*—  
Kuchenbrod, Frank L. 2,708,118.
- Smillie, John F. 2,722,939, Cl. 131—256.
- Smirl, Richard L., to Borg-Warner Corp. 2,700,312, Cl. 74—763.
- Smirl, Richard L., to Borg-Warner Corp. 2,700,341, Cl. 103—120.
- Smirl, Richard L., to Borg-Warner Corp. 2,711,656, Cl. 74—472.
- Smirl, Richard L., to Borg-Warner Corp. 2,712,373, Cl. 192—103.
- Smisko, John, to Aeroquip Corp. 2,700,988, Cl. 138—25.
- Smisko, John, and S. H. Zeeb, to Aeroquip Corp. Re. 23,925, Cl. 284—18.
- Smit, Jan: *See*—  
Cluwen, Johannes M., Rademakers, Rathenau, and Smit. 2,722,617.
- Smit, Pieter: *See*—  
Van der Made, Dirk, and Smit. 2,723,761.
- Smith, A. L., Iron Co.: *See*—  
Kruger, Michael H. 2,716,224.  
Kruger, Michael H. 2,721,720.



Smith, A. O., Corp.: *See*—

Andrus, Orrin E. 2,703,335.  
 Andrus, Orrin E. 2,709,679.  
 Broberg, Leonard E., and Dueringer. 2,711,834.  
 Carlson, Arthur W. 2,701,610.  
 Chyle, John J. 2,709,295.  
 Deringer, Wayne A. 2,722,171.  
 Dueringer, Erwin G. 2,703,069.  
 Dueringer, Erwin G. 2,704,995.  
 Dueringer, Erwin G. 2,718,970.  
 Felt, Adolph E. 2,701,696.  
 Felt, Adolph E. 2,715,446.  
 Felt, Adolph E., and Fuerbringer. 2,701,485.  
 Fike, John P. 2,718,864.  
 Higgins, Waldo W. 2,716,271.  
 Lauck, Francis W. 2,716,289.  
 Lund, Harold. 2,716,690.  
 Lynch, Henry L., and Rybeck. 2,722,028.  
 Makous, Lawrence. 2,715,687.  
 Makous, Lawrence. 2,725,850.  
 Moyer, Harris P. 2,719,207.  
 Nadherny, Russell J. 2,702,485.  
 Rech, Robert H. 2,707,259.  
 Schilberg, Arnold G. 2,707,100.  
 Smith, George M. 2,703,129.  
 Wanting, Anton. 2,719,239.  
 Smith, Adelphis J.: *See*—  
 Kelly, Vincent C., and Smith. 2,722,951.  
 Smith, Agnes L. 2,701,567, Cl. 128—284.  
 Smith, Albert C., Jr., to Eastman Kodak Co. 2,719,141, Cl. 260—77.5.  
 Smith, Albert C., Jr., and C. C. Unruh, to Eastman Kodak Co. 2,728,745, Cl. 260—66.  
 Smith, Albert F.: *See*—  
 Dietrich, Melvin A., and Smith. 2,710,846.  
 Smith, Albert G., to Kirkhill Rubber Co. 2,699,580, Cl. 20—69.  
 Smith, Albert P. 2,707,461, Cl. 123—44.  
 Smith, Alexander. 2,702,689, Cl. 254—133.  
 Smith, Alexander, and B. D. Baggs, Jr. 2,712,211, Cl. 55—118.  
 Smith, Alexander, and T. V. Crawford. 2,723,099, Cl. 248—150.  
 Smith, Alexander, Inc.: *See*—  
 Florio, Patrick A. 2,706,143.  
 Runtun, Leslie A., and Shattuck. 2,725,090.  
 Shattuck, Ewart H., and Curran. 2,728,132.  
 Smith, Algernon L., to Continental Gin Co. 2,718,671, Cl. 19—146.  
 Smith, Allen E.: *See*—  
 Feldman, Albert W., and Smith. 2,701,759.  
 Smith, Allen E., and A. W. Feldman, to United States Rubber Co. 2,701,760, Cl. 71—2.5.  
 Smith, Alva T. 2,723,056, Cl. 22—396.  
 Smith, Alvin H., to Petrolite Corp. 2,713,559, Cl. 252—341.  
 Smith, Alvin H., to Petrolite Corp. 2,713,582, Cl. 260—309.6.  
 Smith, Alvin H., to Petrolite Corp. 2,713,583, Cl. 260—309.6.  
 Smith, Alvin H., to Petrolite Corp. 2,714,611, Cl. 260—475.  
 Smith, Alvin L., to Muskegon Machine Co., Inc. 2,705,981, Cl. 144—3.  
 Smith, Anthony N., to Louis Marx & Co., Inc. 2,707,606, Cl. 246—464.  
 Smith, Anthony N., to Louis Marx & Co., Inc. 2,708,430, Cl. 124—14.  
 Smith, Arthur A. and M. 2,715,398, Cl. 126—73.  
 Smith, Arthur D., to Kaiser Aluminum & Chemical Corp. 2,713,903, Cl. 164—60.  
 Smith, Arthur E. 2,728,151, Cl. 36—24.5.  
 Smith, Arthur M.: *See*—  
 Herndon, Lee R., Jr., Piper, and Smith. 2,713,795.  
 Smith, Austin B. and M. B. 2,726,405, Cl. 4—213.  
 Smith, Averill. 2,707,564, Cl. 211—32.  
 Smith, Belmont D. 2,718,162, Cl. 76—101.  
 Smith, Blakely. 2,715,314, Cl. 61—48.  
 Smith, Brook I.: *See*—  
 Cottle, Delmer L., Vanderbilt, and Smith. 2,721,222.  
 Smith, Burns A.: *See*—  
 Fort, Charles A., and Smith. 2,711,425.  
 Smith, Byron J., Jr., to Barry-Wehmiller Machinery Co. 2,707,571, Cl. 214—309.  
 Smith, Calvin S., Jr., to California Research Corp. 2,702,091, Cl. 183—119.  
 Smith, Carl A., to Missouri Automatic Control Corp. 2,719,533, Cl. 137—80.  
 Smith, Carl F.: *See*—  
 Hilborn, Edwin H., and Smith. 2,710,820.  
 Smith, Carl M. 2,722,790, Cl. 51—170.  
 Smith, Carleton N.: *See*—  
 Whaley, Fred R., Smith, and Wellman. 2,699,419.  
 Smith, Charles A.: *See*—  
 Bizzoco, Thomas J., and Smith. 2,713,208.  
 Smith, Charles B.: *See*—  
 Haeff, Andrew V., and Smith. 2,727,181.  
 Smith, Charles B., and J. Goldsmith, to Chance Vought Aircraft, Inc. 2,708,556, Cl. 244—42.  
 Smith, Charles C. 2,727,608, Cl. 192—61.  
 Smith, Charles E., to The Duraflex Corp. 2,699,828, Cl. 160—392.  
 Smith, Charles W., to American Chain and Cable Co., Inc. 2,722,831, Cl. 73—81.  
 Smith, Clara D.: *See*—  
 Black, James F., and Smith. 2,700,593.  
 Smith, Clarence E. 2,712,198, Cl. 43—148.  
 Smith, Clarence E., to Graflex, Inc. 2,716,929, Cl. 95—34.

Smith, Clarence L.: *See*—

Ragan, George W. 2,703,926.  
 Smith, Claude D. J. 2,722,968, Cl. 155—78.  
 Smith, Clifford E., and L. P. Hayes, to A. E. Staley Mfg. Co. 2,725,313, Cl. 127—34.  
 Smith, Cloyd D.: *See*—  
 Lemmerman, Carl W., and Smith. 2,715,449.  
 Smith, Clyde. 2,706,599, Cl. 235—61.11.  
 Smith, Coleman F., to International Harvester Co. 2,724,867, Cl. 18—47.5.  
 Smith, Cornelius C., and W. E. Leverette. 2,714,258, Cl. 34—214.  
 Smith, Cornelius P., E. W. Le Boeuf, and O. R. McIntire, to The Dow Chemical Co. 2,707,805, Cl. 18—57.  
 Smith, Cornelius W., and R. L. Seger, Jr., to United States Rubber Co. 2,709,471, Cl. 152—310.  
 Smith, Curtis W., to Shell Development Co. 2,704,771, Cl. 260—615.  
 Smith, Curtis W., and D. G. Norton, to Shell Development Co. 2,702,823, Cl. 260—602.  
 Smith, Curtis W., and R. T. Holm, to Shell Development Co. 2,718,529, Cl. 260—602.  
 Smith, Daniel, and D. Hurley, to Interchemical Corp. 2,707,916, Cl. 101—363.  
 Smith, Darwin D. 2,719,503, Cl. 115—18.  
 Smith, David B., to Philco Corp. 2,716,151, Cl. 178—5.2.  
 Smith, David F., to Davis & Geck, Inc. 2,700,461, Cl. 206—47.  
 Smith, David G.: *See*—  
 Slate, Raymond N., and Smith. 2,701,286.  
 Smith, David G., to Safway Steel Products, Inc. 2,698,552, Cl. 85—3.  
 Smith, David H., Inc.: *See*—  
 Smith, Richard M. 2,711,537.  
 Smith, David L.: *See*—  
 Smoll, Allen E., and Smith. 2,719,230.  
 Smith, Dennis W., to Colborne Mfg. Co. 2,721,002, Cl. 221—222.  
 Smith, Donald J., to Reed-Prentice Corp. 2,714,406, Cl. 143—32.  
 Smith, Donald P.: *See*—  
 Ryan, James H., and Smith. 2,720,819.  
 Smith, Doras O. 2,719,313, Cl. 15—118.  
 Smith-Douglass Co., Inc.: *See*—  
 Hollingsworth, Clinton A. 2,720,972.  
 Hollingsworth, Clinton A. 2,726,928.  
 Hollingsworth, Clinton A., and Wester. 2,724,501.  
 Smith, Earl D. 2,707,514, Cl. 155—196.  
 Smith, Earl W. 2,708,807, Cl. 45—28.  
 Smith, Edgar C. 2,725,157, Cl. 217—14.  
 Smith, Edmund G., and O. M. Cocchiarella, to Equipment Development Co., Inc. 2,725,144, Cl. 210—170.  
 Smith, Edward A., to Raymond Concrete Pile Co. 2,723,532, Cl. 61—77.  
 Smith, Edward A., to Eastman Kodak Co. 2,725,290, Cl. 95—2.  
 Smith, Edward M., to Barnes Mfg. Co. 2,700,338, Cl. 103—5.  
 Smith, Edward S., Jr.: *See*—  
 Smith, Millard F., and E. S. Smith, Jr. 2,708,896.  
 Smith, Edward W., 50% to J. N. Mayer. 2,719,559, Cl. 152—220.  
 Smith, Edwin A. 2,713,364, Cl. 144—28.  
 Smith, Edwin R.: *See*—  
 Dinsmore, Arthur S., and Smith. 2,714,324.  
 Smith, Eldred T.: *See*—  
 MacLean, Alexander F., and Smith. 2,707,165.  
 Smith, Elmer G. and E. W. 2,718,259, Cl. 160—29.  
 Smith, Elmer H., to Smith Welding Equipment Corp. 2,702,079, Cl. 158—27.4.  
 Smith, Elmer W.: *See*—  
 Smith, Elmer G. and E. W. 2,718,259.  
 Smith, Elza T.: *See*—  
 Buhler, James D., Smith, and Folkrod. 2,699,931.  
 Smith, Emmer J., 28½% to E. L. Mitchell and 10% to A. C. Cunningham. 2,718,857, Cl. 112—121.  
 Smith, Emmett A.: *See*—  
 Landis, George G., and Smith. 2,721,249.  
 Smith, Eric B. 2,707,332, Cl. 33—134.  
 Smith, Ernest. 2,725,610, Cl. 24—230.  
 Smith, Ernest W., and H. T. Hillyard, to National Research Development Corp. 2,716,155, Cl. 178—17.  
 Smith, Erwin J., to Precision Hardware, Inc. 2,715,242, Cl. 16—86.  
 Smith, Esmond W., to Canada Wire & Cable Co. Ltd. 2,711,439, Cl. 174—102.  
 Smith, Eugene M. 2,708,158, Cl. 75—84.  
 Smith, Forrest E.: *See*—  
 Fahlman, Everett G., and Smith. 2,705,667.  
 Smith, Frank B.: *See*—  
 Fisher, Louis J. 2,704,539.  
 Smith, Fred C. 2,716,274, Cl. 29—280.  
 Smith, Frederick E., and R. S. Hellman, to Thompson Products, Inc. 2,699,907, Cl. 244—135.  
 Smith, Gene W., to G. M. Giannini & Co. Inc. 2,722,124, Cl. 74—5.1.  
 Smith, George A. 2,703,951, Cl. 51—158.  
 Smith, George B.: *See*—  
 Schmitt, Henry O., Jr., and Smith. 2,728,263.  
 Smith, George E. P., Jr.: *See*—  
 Cook, Wendell S., and Smith. 2,713,561.  
 Smith, George F., and F. E. Lugsdin. 2,723,421, Cl. 17—11.  
 Smith, George H. 2,700,781, Cl. 9—14.  
 Smith, George H., to Minnesota Mining & Mfg. Co. 2,701,814, Cl. 260—561.



- Smith, George M., to A. O. Smith Corp. 2,703,129, Cl. 153—53.
- Smith, Gerard C.: *See*—  
Tepas, Joseph J., Jr. and Smith. 2,700,651.
- Smith, Graydon, to Graydon Smith Products Corp. 2,700,758, Cl. 340—199.
- Smith, Graydon, to Whitin Machine Works. 2,728,531, Cl. 242—55.1.
- Smith, Graydon, Products Corp.: *See*—  
Smith, Graydon. 2,700,758.
- Smith, Guillermo H. 2,699,876, Cl. 214—78.
- Smith, Guy B., to Ferro Powdered Metals, Inc. 2,715,589, Cl. 117—131.
- Smith, Guy F., to Westinghouse Electric Corp. 2,709,122, Cl. 312—214.
- Smith, Harold D.: *See*—  
Hudson, Linwood P., and Smith. 2,716,303.
- Smith, Harold J., and C. H. Uldriks, to Kellogg Co. 2,698,698, Cl. 214—620.
- Smith, Harold J., J. A. Johnson, and E. A. Hawk. 2,724,164, Cl. 25—26.
- Smith, Harold M. 2,704,176, Cl. 223—25.
- Smith, Harold R., to North American Aviation, Inc. 2,716,163, Cl. 200—6.
- Smith, Harry A. 2,724,942, Cl. 56—219.
- Smith, Harry F., to Mansfield Sanitary Pottery, Inc. 2,700,774, Cl. 4—68.
- Smith, Harry F., to Mansfield Sanitary Pottery, Inc. 2,701,119, Cl. 251—320.
- Smith, Harry F., to Mansfield Sanitary Pottery, Inc. 2,721,332, Cl. 4—68.
- Smith, Harry L. 2,716,938, Cl. 99—408.
- Smith, Harry L. 2,716,939, Cl. 99—408.
- Smith, Harvey F.: *See*—  
Yoder, Raymond S., and Smith. 2,718,623.
- Smith, Helen E., to Philco Corp. 2,713,776, Cl. 62—99.
- Smith, Henry M.: *See*—  
Barnett, Wilford J., Hansen, and Smith. 2,723,324.
- Smith, Henry M., to Hughes Aircraft Co. 2,728,872, Cl. 315—12.
- Smith, Herschel G.: *See*—  
Cantrell, Troy L., Peters, and Smith. 2,721,176.
- Cantrell, Troy L., and Smith. 2,707,172.
- Cantrell, Troy L., and Smith. 2,707,173.
- Cantrell, Troy L., and Smith. 2,707,174.
- Cantrell, Troy L., and Smith. 2,707,175.
- Smith, Herschel G., T. L. Cantrell, and J. G. Peters, to Gulf Oil Corp. 2,699,427, Cl. 252—33.6.
- Smith, Herschel G., and T. L. Cantrell, to Gulf Oil Corp. 2,711,947, Cl. 44—62.
- Smith, Hollis B.: *See*—  
Gandert, Philip, and Smith. 2,703,048.
- Smith, Hollis B., to Tele-Trip Policy Co., Inc. 2,703,017, Cl. 74—86.
- Smith, Homer H. 2,703,522, Cl. 100—283.
- Smith, Homer H. 2,720,660, Cl. 5—337.
- Smith, Horace L., Jr. 2,728,387, Cl. 159—12.
- Smith, Howard C., to American Pop Corn Co. 2,705,909, Cl. 98—55.
- Smith, Hugh C., to Kalamazoo Vegetable Parchment Co. 2,719,483, Cl. 101—245.
- Smith, Ira D.: *See*—  
Nye, Benjamin E., and Smith. 2,698,751.
- Smith, Ira D., to The Cleveland Pneumatic Tool Co. 2,710,237, Cl. 309—4.
- Smith, Ira O. 2,703,948, Cl. 46—77.
- Smith, Irving. 2,699,742, Cl. 112—100.
- Smith, Jack G. 2,709,749, Cl. 250—36.
- Smith, James A.: *See*—  
Clark, Carleton L., Hickey, Kaiser, and Smith. 2,717,536.
- Smith, James B.: *See*—  
Holland, Ernest O., and Smith. 2,705,285.
- Smith, James D., and H. J. Krause. 2,700,613, Cl. 99—154.
- Smith, James E., to Radio Corp. of America. 2,707,208, Cl. 178—22.
- Smith, James H.: *See*—  
Dobes, Michael J., and Smith. 2,705,272.
- Dobes, Michael J., and Smith. 2,707,734.
- Smith, James L. 2,702,567, Cl. 143—132.
- Smith, James M.: *See*—  
McKibben, Paul S., Chrisman, and Smith. 2,705,614.
- Smith, James M., Jr.: *See*—  
Wright, William B., Jr., Smith, and Collins. 2,715,644.
- Smith, James M., Jr., and R. P. Germann, to American Cyanamid Co. 2,711,423, Cl. 260—519.
- Smith, James S. 2,701,376, Cl. 15—4.
- Smith, James S., to E. I. du Pont de Nemours and Co. 2,716,082, Cl. 154—95.
- Smith, James W., to Minneapolis-Honeywell Regulator Co. 2,715,939, Cl. 158—28.
- Smith, James W. 2,725,922, Cl. 153—11.
- Smith, James W., to Minneapolis-Honeywell Regulator Co. 2,727,568, Cl. 158—28.
- Smith, John A. 2,711,108, Cl. 80—5.1.
- Smith, John A. 2,711,131, Cl. 101—402.
- Smith, John L.: *See*—  
Hesson, James C., Smith, and Swanson. 2,720,170.
- Smith, John L., to Cardox Corp. 2,720,169, Cl. 102—25.
- Smith, John O.: *See*—  
Weigham, William R., Smith, and Johnson. 2,717,742.
- Smith, John O., to Courtaulds Limited. 2,714,938, Cl. 183—2.5.
- Smith, John P., Jr., to The Daven Co. 2,712,581, Cl. 200—166.
- Smith, John W., to Battle Creek Packaging Machines, Inc. 2,709,399, Cl. 93—49.
- Smith, John W., to Aladdin Mfg. Co. 2,727,241, Cl. 2—66.
- Smith, Johnie J. 2,699,754, Cl. 119—52.
- Smith-Johnson Corp.: *See*—  
Smith, Neil V. 2,720,864.
- Smith, Joseph, Jr., to Atlas Powder Co. 2,727,814, Cl. 52—11.
- Smith, Joseph A., to Ernest H. Woods Co., Inc. 2,701,662, Cl. 221—47.
- Smith, Joseph B. 2,703,111, Cl. 138—99.
- Smith, Joseph L. 2,725,693, Cl. 51—190.
- Smith, Julian K.: *See*—  
Compton, William H., Duff, and Smith. 2,716,859.
- Smith, Keith J.: *See*—  
Kimball, Richard H., and Smith. 2,699,456.
- Smith, Keith J., and J. S. Sconce, to Hooker Electrochemical Co. 2,699,455, Cl. 260—648.
- Smith, Kenneth A.: *See*—  
Borgerson, Benjamin T., and Smith. 2,699,421.
- Smith, Kenneth A., to Sinclair Refining Co. 2,709,064, Cl. 251—120.
- Smith, Kenneth P., to General Motors Corp. 2,700,565, Cl. 292—221.
- Smith, Kenneth P., to General Motors Corp. 2,723,145, Cl. 292—223.
- Smith, Kline & French Laboratories: *See*—  
Hompe, Robert W., Hall, and Martell. 2,698,707.
- Ulyot, Glenn E. 2,700,040.
- Whitecar, Alten E. 2,722,357.
- Whitecar, Alten E. 2,728,442.
- Smith, Larry. 2,717,442, Cl. 30—151.
- Smith, Laurence H., to Pacific Olive Co. 2,700,996, Cl. 146—164.
- Smith, Lee: *See*—  
Schlessiger, Paul J., and Smith. 2,724,332.
- Smith, Lee H., and G. E. King. 2,718,743, Cl. 56—25.4.
- Smith, Lee T., to Radio Corp. of America. 2,700,951, Cl. 118—7.
- Smith, Lincoln G., to the United States of America as represented by the United States Atomic Energy Commission. 2,709,750, Cl. 250—41.9.
- Smith, Lloyd B., to Fly Ash Arrestor Corp. 2,728,409, Cl. 183—22.
- Smith, Louis B. 2,715,467, Cl. 211—49.
- Smith, Lucius N. 2,708,346, Cl. 61—65.
- Smith, Lynne A. 2,714,978, Cl. 223—69.
- Smith, Mack B.: *See*—  
Smith, Austin B. and M. B. 2,726,405.
- Smith, Marshall T. 2,701,985, Cl. 89—1.7.
- Smith, Martin W. 2,723,527, Cl. 58—126.
- Smith, Max: *See*—  
Smith, Arthur A. and M. 2,715,398.
- Smith-Meeker Engineering Co.: *See*—  
Lindley, Frederick A. 2,727,738.
- Smith, Millard F., and E. S. Smith, Jr. 2,708,896, Cl. 116—114.
- Smith, Milton J.: *See*—  
Spencer, Ralph M., and Smith. 2,713,199.
- Smith, Mitchell: *See*—  
Green, Richard A. 2,700,870.
- Smith, Mortimer C.: *See*—  
Hinrichs, Ronald W., and Smith. 2,723,639.
- Smith, Neil V., to Smith-Johnson Corp. 2,720,864, Cl. 121—38.
- Smith, Nelson J.: *See*—  
Lander, Arthur V., Gomm, and Smith. 2,708,529.
- Smith, Norris E., ½ to Western Mattress Co. 2,715,391, Cl. 123—13.
- Smith, Ored L.: *See*—  
Gullixson, Harold R., and Smith. 2,718,181.
- Smith, Oscar O. 2,720,410, Cl. 294—19.
- Smith, Otho W. 2,714,016, Cl. 280—418.
- Smith, Paul E.: *See*—  
Bartel, Tom H., Meade, Smith, Tims. 2,714,969.
- Smith, Paul L. 2,725,979, Cl. 206—48.
- Smith, Paul V., Jr.: *See*—  
Morrell, Charles E., and Smith. 2,722,498.
- Smith, Paul V., Jr., to Esso Research and Engineering Co. 2,703,811, Cl. 260—485.
- Smith, Paul V., Jr., F. Knoth, Jr., and W. E. Waddey, to Esso Research and Engineering Co. 2,722,517, Cl. 252—46.7.
- Smith, Percy L.: *See*—  
Lanham, William M., and Smith. 2,718,524.
- Smith, Philip. 2,702,448, Cl. 56—25.4.
- Smith, Philip N., and J. W. Hicks, Jr., to Deering Milliken Research Trust. 2,698,982, Cl. 26—51.4.
- Smith, Philip T., to Radio Corp. of America. 2,728,019, Cl. 315—7.
- Smith, Philip W.: *See*—  
Line, Dale A. 2,720,051.
- Smith, Phillip H., to Bell Telephone Laboratories, Inc. 2,718,592, Cl. 250—33.63.
- Smith, Phillips P., to the United States of America as represented by the United States Atomic Energy Commission. 2,725,993, Cl. 214—23.
- Smith, Ralph A.: *See*—  
Branson, Charles D., and Smith. 2,703,298.
- Smith, Ralph E. 2,724,434, Cl. 160—348.
- Smith, Ralph J. 2,706,461, Cl. 115—41.
- Smith, Randall E. 2,705,355, Cl. 24—152.
- Smith, Raymond: *See*—  
Hamilton, Jack L., Pakkala, and Smith. 2,704,883.



- Smith, Raymond E.: *See*—  
 Smith, William R. and R. E. 2,708,885.  
 Smith, Reginald. 2,719,575, Cl. 155—148.  
 Smith, Richard F. 2,702,403, Cl. 17—1.  
 Smith, Richard G., to The Sherwin-Williams Co. 2,719,133, Cl. 260—29.7.  
 Smith, Richard H.: *See*—  
 Vance, John E., Gerber, and Smith. 2,710,469.  
 Smith, Richard J., to McGill Mfg. Co., Inc. 2,718,441, Cl. 308—187.2.  
 Smith, Richard M., to David H. Smith Inc. 2,711,537, Cl. 2—74.  
 Smith, Richard N.: *See*—  
 Harris, John E., Jr., Smith, and McCann. 2,716,594.  
 Smith, Robert B., to The Reynolds & Reynolds Co. 2,722,414, Cl. 270—58.  
 Smith, Robert E.: *See*—  
 Mullins, William D., Jr., and Smith. 2,726,545.  
 Wuerth, John M., Mullins, Smith, Goldberg, and Wilson. 2,713,637.  
 Smith, Robert E., to The Sandy Hill Iron & Brass Works. 2,706,932, Cl. 92—30.  
 Smith, Robert E., J. M. Wuerth, R. B. Horsfall, Jr., S. J. Goldberg, and T. N. Leine, to the United States of America as represented by the United States Atomic Energy Commission. 2,713,266, Cl. 73—386.  
 Smith, Robert F., to Chrysler Corp. 2,717,680, Cl. 192—91.  
 Smith, Robert F., to The Worthington Ball Co. 2,722,264, Cl. 154—17.  
 Smith, Robert H.: *See*—  
 Brown, Denis W., and Smith. 2,703,507.  
 Smith, Robert K.: *See*—  
 Lawrence, Franklin I. L., Pohorilla, and Smith. 2,721,181.  
 Lawrence, Franklin I. L., Smith, and Pohorilla. 2,721,121.  
 Lawrence, Franklin I. L., Smith, and Pohorilla. 2,721,180.  
 Smith, Robert L., to Lorentzen Hardware Mfg. Corp. 2,726,448, Cl. 30—290.  
 Smith, Robert P., to Heavy Industrial Ceramic Corp. 2,727,704, Cl. 242—157.  
 Smith, Robert P., to Heavy Industrial Ceramic Corp. 2,728,536, Cl. 242—157.  
 Smith, Robert W.: *See*—  
 Buchanan, Ross W., Smith, and McDougal. 2,703,356.  
 Schwartzwalder, Karl, and Smith. 2,717,438.  
 Smith, Robert W., to The T. L. Smith Co. 2,723,112, Cl. 259—161.  
 Smith, Roger M., to Caterpillar Tractor Co. 2,722,065, Cl. 37—141.  
 Smith, Roger R. 2,716,444, Cl. 155—188.  
 Smith, Ronald H.: *See*—  
 Bellringer, Frederick J., Bewley, and Smith. 2,704,298.  
 Smith, Rowland D., to Corning Glass Works. 2,701,220, Cl. 134—7.  
 Smith, Roy A., to Collins Radio Co. 2,716,887, Cl. 73—69.  
 Smith, Roy D., to Bee-Line Co. 2,718,913, Cl. 153—32.  
 Smith, Roy F. 2,716,933, Cl. 97—26.  
 Smith, Roy F. 2,717,091, Cl. 214—132.  
 Smith, Roy M., to I-T-E Circuit Breaker Co. 2,713,622, Cl. 200—89.  
 Smith, Russell M., to General Electric Co. 2,724,088, Cl. 324—70.  
 Smith, S. Morgan, Co.: *See*—  
 Hopkins, David W. 2,704,947.  
 Smith, S., & Sons (England) Ltd.: *See*—  
 Meredith, Frederick W. 2,701,969.  
 Meredith, Frederick W. 2,710,725.  
 Meredith, Frederick W. 2,721,713.  
 Smith, Samuel. 2,708,378, Cl. 78—98.  
 Smith, Samuel C. H., to R. H. Windsor Ltd. 2,724,146, Cl. 18—30.  
 Smith, Samuel V. 2,699,154, Cl. 121—164.  
 Smith, Sherman S. 2,726,461, Cl. 36—7.6.  
 Smith, Sidney A., to James Beresford & Son Ltd. 2,711,008, Cl. 29—155.5.  
 Smith, Sidney R., Jr., to General Electric Co. 2,716,681, Cl. 200—120.  
 Smith, Sidney R., Jr., to General Electric Co. 2,727,961, Cl. 200—131.  
 Smith, Sigmund J. 2,702,042, Cl. 134—56.  
 Smith, Stanley, to E. M. B. Co. Ltd. 2,720,946, Cl. 188—97.  
 Smith, Stanley J., to Simmonds Development Corp. Ltd. Re. 24,082, Cl. 317—246.  
 Smith, Sydney, and Sons (Nottingham) Ltd.: *See*—  
 Dickie, Alan B. 2,720,787.  
 Smith, T. L., Co., The: *See*—  
 Eckles, Harry C. 2,712,403.  
 Masek, John A. 2,717,769.  
 Smith, Robert W. 2,723,112.  
 Smith, Ted T.: *See*—  
 Cox, Glenn H., and Smith. 2,709,029.  
 Smith, Telford L. 2,723,143, Cl. 288—35.  
 Smith, Thomas A., to All American Engineering Co. 2,715,886, Cl. 116—129.  
 Smith, Thomas K. M. 2,703,745, Cl. 346—121.  
 Smith, Thomas R., to The Maytag Co. Re. 24,034, Cl. 137—88.  
 Smith, Thomas R., to The Maytag Co. 2,706,346, Cl. 34—75.  
 Smith, Thomas R., to The Maytag Co. 2,708,092, Cl. 251—30.  
 Smith, Thomas R., to The Maytag Co. 2,711,827, Cl. 210—63.  
 Smith, Thomas R., to The Maytag Co. 2,717,456, Cl. 34—75.  
 Smith, Thomas R., to The Maytag Co. 2,717,457, Cl. 34—75.  
 Smith, Thomas R., to The Maytag Co. 2,717,675, Cl. 192—21.5.  
 Smith, Thomas R., and C. W. Steward, to The Maytag Co. 2,722,750, Cl. 34—82.  
 Smith, Traver J.: *See*—  
 Magnuson, Roy M., and Smith. 2,699,291.  
 Smith, Travis E., Jr.: *See*—  
 Bailey, Herman P., and Smith. 2,707,497.  
 Smith, Verity C.: *See*—  
 Revoir, William H., Jr., and Smith. 2,703,153.  
 Smith, Victor A. 2,701,060, Cl. 209—290.  
 Smith, Waldo W.: *See*—  
 Prescott, Lewis A., Jr., and Smith. 2,714,240.  
 Smith, Waldo W., and H. F. Tucker, to Tower Iron Works. 2,705,413, Cl. 68—5.  
 Smith, Walter E., to Central Steel & Wire Co. 2,727,758, Cl. 280—34.  
 Smith, Walter G.: *See*—  
 Douty, Alfred, and Smith. 2,709,781.  
 Smith, Walter G. 2,705,382, Cl. 41—15.  
 Smith, Walter J.: *See*—  
 Stearns, Thornton, and Smith. 2,722,586.  
 Smith, Warren M.: *See*—  
 Mertzweiler, Joseph K., and Smith. 2,725,401.  
 Smith, Warren M., to Esso Research and Engineering Co. 2,713,073, Cl. 260—632.  
 Smith, Webster D., to Northrop Aircraft, Inc. 2,709,608, Cl. 287—62.  
 Smith Welding Equipment Corp.: *See*—  
 Smith, Elmer H. 2,702,079.  
 Smith, Wesley A., to Tilt-A-Door Corp. 2,712,353, Cl. 160—96.  
 Smith, Wesley C., to Prestole Corp. 2,709,390, Cl. 85—36.  
 Smith, Wilbur R. 2,704,831, Cl. 339—91.  
 Smith, William A., V. L. Mattson, and G. Meyer, to The American Metal Co., Ltd. 2,721,657, Cl. 209—166.  
 Smith, William A., V. L. Mattson, G. Meyer, and R. A. Baxter, to The American Metal Co., Ltd. 2,724,499, Cl. 209—166.  
 Smith, William B., 1/2 to L. S. Gamble, executor of H. A. Gamble, deceased. 2,703,474, Cl. 56—47.  
 Smith, William C.: *See*—  
 Anderson, John, Johnson, and Smith. 2,714,121.  
 Smith, William C., to W. C. Ritchie and Co. 2,722,310, Cl. 206—45.31.  
 Smith, William C., J. Anderson, and J. L. Bloom, to Shell Development Co. 2,714,122, Cl. 260—633.  
 Smith, William F.: *See*—  
 Berl, Leo, Smith, and Griscom. 2,718,531.  
 Smith, William G.: *See*—  
 Dennison, Brook J., and Smith. 2,700,007.  
 Smith, William G. 2,727,596, Cl. 189—75.  
 Smith, William H. 2,711,806, Cl. 189—37.  
 Smith, William H. 2,716,796, Cl. 25—83.  
 Smith, William L., to American Viscose Corp. 2,727,459, Cl. 100—199.  
 Smith, William M., and N. O. Kirkby, to Vapor Heating Corp. 2,716,400, Cl. 123—142.5.  
 Smith, William R., to The Texas Co. 2,702,793, Cl. 252—78.  
 Smith, William R., to International Business Machines Corp. 2,720,961, Cl. 197—107.  
 Smith, William R., and W. G. Klettke, to The Upjohn Co. 2,712,374, Cl. 192—142.  
 Smith, William R. and R. E., to The A. C. Gilbert Co. 2,708,885, Cl. 104—150.  
 Smith, William T., M. R. Euverard, and W. A. Weidlich, to Interchemical Corp. 2,727,266, Cl. 15—131.  
 Smith, William V. 2,722,780, Cl. 51—26.  
 Smith, Zachary H., to American Wheelabrator & Equipment Corp. 2,698,977, Cl. 22—89.  
 Smithe, F. L., Machine Co. Inc.: *See*—  
 Novick, Abraham, and Foster. 2,720,830.  
 Novick, Abraham, and Sauerman. 2,703,043.  
 Smithers, Wayne F. 2,701,153, Cl. 287—104.  
 Smithey, Basil B. 2,713,717, Cl. 30—167.  
 Smith-Johannsen, Robert, to General Electric Co. 2,710,289, Cl. 260—37.  
 Smith-Johannsen, Robert, to General Electric Co. 2,711,382, Cl. 154—117.  
 Smith-Johannsen, Robert, to General Electric Co. 2,711,399, Cl. 260—37.  
 Smithline, Jacob. 2,719,594, Cl. 181—24.  
 Smith-Petersen, Nils O., to Walworth Co. 2,728,549, Cl. 251—196.  
 Smith-Petersen, Nils O., and F. J. Krummel, to Walworth Co. 2,728,349, Cl. 137—242.  
 Smiths America Corp.: *See*—  
 Meredith, Frederick W. 2,728,035.  
 Smith's, John E., Sons Co.: *See*—  
 Gulbrandsen, Trygve. 2,711,270.  
 Smithson, Grover C. 2,700,815, Cl. 29—267.  
 Smithson, John H., to Celanese Corp. of America. 2,704,765, Cl. 260—340.  
 Smithuysen, Willem C. B.: *See*—  
 Mulder, Albertus J., and Smithuysen. 2,718,456.  
 Smithwick, George D.: *See*—  
 Le Gros, John E., and Smithwick. 2,713,078.  
 Smits, Hubertus J., to Hartford National Bank and Trust Co., trustee. 2,712,942, Cl. 274—14.  
 Smits, Wytze B., to Smitsvonk N. V. 2,708,877, Cl. 102—28.  
 Smits, Wytze B., to Smitsvonk N. V. 2,711,495, Cl. 315—183.  
 Smits, Wytze B., to Smitsvonk N. V. 2,728,807, Cl. 123—148.



- Smitsvonk N. V. : *See*—  
 Smits, Wijtze B. 2,708,877.  
 Smits, Wytze B. 2,711,495.  
 Smits, Wytze B. 2,728,807.
- Smoke, Edward J., to the United States of America as represented by the Secretary of the Army. 2,726,964, Cl. 106—46.
- Smoked Foods Research Institute, Inc. : *See*—  
 Betts, Arthur W. 2,722,482.
- Smolen, Benjamin E. 2,728,483, Cl. 220—39.
- Smolin, Edwin M., to American Cyanamid Co. 2,718,532, Cl. 260—668.
- Smolin, Edwin M., to American Cyanamid Co. 2,718,533, Cl. 260—668.
- Smolka, Albert G. : *See*—  
 Bukey, John R., and Smolka. 2,700,630.
- Smoll, Allen E., and D. L. Smith, to General Electric Co. 2,719,230, Cl. 250—33.63.
- Smook, Malcolm A. : *See*—  
 Busse, Warren F., and Smook. 2,723,255.
- Smoot, Theophilus H., to The Lennox Furnace Co. 2,707,516, Cl. 158—113.
- Smullin, Louis D., to the United States of America as represented by the Secretary of the Navy. 2,716,222, Cl. 333—83.
- Smullin, Louis D., to the United States of America. 2,724,805, Cl. 333—73.
- Smutny, Edward V. 2,704,404, Cl. 33—185.
- Smyres, Lynn E. 2,716,813, Cl. 30—241.
- Smyth, Bertram J., deceased, by R. B. Smyth, administratrix, to Measuring Machines Inc. 2,703,456, Cl. 33—174.
- Smyth-Horne Ltd. : *See*—  
 Taylor, Harry W. 2,711,245.  
 Taylor, Harry W. 2,713,212.
- Smyth, John R. : *See*—  
 Solomon, Leroy E., and Smyth. 2,727,081.
- Smyth, Robert R., to Tracer-lab, Inc. 2,711,486, Cl. 250—207.
- Smyth, Ruth B. : *See*—  
 Smyth, Bertram J. 2,703,456.
- Smythe, Robert L., and D. W. Harling, to McGraw Electric Co. 2,727,984, Cl. 240—147.
- Smythe, Robert O. 2,699,620, Cl. 40—132.
- Snaith, Thomas W. 2,711,269, Cl. 222—93.
- Snap-On Tools Corp. : *See*—  
 Larson, Kenneth R. 2,715,333.
- Snavelly, Harold L., to Atmorol Corp. 2,707,487, Cl. 138—43.
- Snedaker, E. Raymond : *See*—  
 Lee, Francis E. 2,703,443.
- Sneed, Joseph F. 2,707,347, Cl. 43—43.11.
- Sneed, Robert C. 2,727,625, Cl. 209—121.
- Snell, Chester A. : *See*—  
 De Rose, John A., and Snell. 2,700,628.
- Snell, Edgar W. 2,720,708, Cl. 33—174.
- Snell, Esmond E., E. L. Wittle, and J. A. Moore, to Parke, Davis & Co. 2,722,551, Cl. 260—561.
- Snell, James H., Jr. : *See*—  
 Crouch, Donald W., Snell, and Carpenter. 2,728,016.
- Snell, Leonard S., and G. H. Murray, to D. Napier & Son Ltd. 2,715,837, Cl. 74—7.
- Snell, Weis C. 2,725,931, Cl. 158—35.
- Snelson, Howard J.,  $\frac{1}{8}$  to L. Jennings and  $\frac{1}{8}$  to J. Pasero. 2,703,966, Cl. 62—101.
- Snepvangers, René, to Columbia Broadcasting System, Inc. 2,703,343, Cl. 179—100.41.
- Snider, Robert H. : *See*—  
 Deibert, Clarence R., Turner, and Snider. 2,700,701.
- Snider, Stanley R. and W. L. 2,711,038, Cl. 40—126.
- Snider, Stewart. 2,724,365, Cl. 119—74.
- Snider, Walter L. : *See*—  
 Snider, Stanley R. and W. L. 2,711,038.
- Snider, William R., to Steel Service, Inc. 2,727,800, Cl. 312—255.
- Snijders, Antonie : *See*—  
 Oberman, Roelof M. M., and Snijders. 2,715,724.
- Snively, Andrew J., to Bundy Tubing Co. 2,720,022, Cl. 29—476.5.
- Snobeck, Hans J. 2,709,840, Cl. 20—52.2.
- Snoddy, Max E. 2,710,162, Cl. 251—61.
- Snoke, Donald R. : *See*—  
 Toth, Michael J., and Snoke. 2,709,502.
- Snook, Clark E., to Nopco Chemical Co. 2,715,614, Cl. 252—358.
- Snook, Ray. 2,719,368, Cl. 37—43.
- Snook, Wayne A. 2,713,113, Cl. 240—7.1.
- Snorek, Stanley J. : *See*—  
 Blaisdell, Charles O., Kohr, and Snorek. 2,698,643.
- Snow, Barton S., to T. W. Snow Construction Co., Inc. 2,704,229, Cl. 302—59.
- Snow, Barton S., to T. W. Snow Construction Co., Inc. 2,712,953, Cl. 287—82.
- Snow, Barton S., to T. W. Snow Construction Co., Inc. 2,717,180, Cl. 302—48.
- Snow, Barton S., to T. W. Snow Construction Co., Inc. 2,717,181, Cl. 302—59.
- Snow, George A. : *See*—  
 Davies, William H., Marks, and Snow. 2,714,082.
- Snow, Kenneth T. : *See*—  
 Olson, Raymond G. 2,704,882.
- Snow Manufacturing Co. : *See*—  
 Goldberg, Herman. 2,703,894.
- Snow, T. W., Construction Co., Inc. : *See*—  
 Snow, Barton S. 2,704,229.  
 Snow, Barton S. 2,712,953.  
 Snow, Barton S. 2,717,180.  
 Snow, Barton S. 2,717,181.
- Snow, William A. : *See*—  
 Blair, Frank, and Traxl. 2,700,217.  
 Gravenhorst, Gordon P., Franz, Snow, and Black. 2,725,791.
- Snow, William H. 2,708,131, Cl. 287—82.
- Snowhill Mfg. Co. : *See*—  
 Magnus, Edward R. 2,711,057.
- Snyder, Benjamin H. 2,707,599, Cl. 242—113.
- Snyder, Charles R. 2,710,604, Cl. 123—119.
- Snyder, Charles W. : *See*—  
 Spengler, Ralph A., Reynolds, and Snyder. 2,728,169.
- Snyder, Charles W., to De Walt Inc. 2,722,952, Cl. 143—6.
- Snyder, Clifford H., and J. M. Hill, to The Colmol Co. 2,702,698, Cl. 262—33.
- Snyder, Clifford H., and D. A. Turner, to The Colmol Co. 2,702,712, Cl. 279—79.
- Snyder, Cloyd L. 2,707,226, Cl. 219—44.
- Snyder, Edward C. : *See*—  
 Kooli, Earl R., and Snyder. 2,712,516.
- Snyder, Ellery P., to Aviation Engineering Division, Avien-Knickerbocker, Inc. 2,700,088, Cl. 200—166.
- Snyder, Frederick D. : *See*—  
 Bailey, Francis T., and Snyder. 2,725,508.
- Snyder, Inez M. 2,707,620, Cl. 257—136.
- Snyder, Jacob R. 2,703,734, Cl. 303—39.
- Snyder, Jacob R. 2,728,120, Cl. 20—93.
- Snyder, Jacob R., and F. J. Schenkelberger, to Thompson Products, Inc. 2,702,563, Cl. 137—588.
- Snyder, Jacob R., and F. J. Schenkelberger, to Thompson Products, Inc. 2,712,323, Cl. 137—322.
- Snyder, James, to the United States of America as represented by the Secretary of the Army. 2,700,318, Cl. 88—1.
- Snyder, James, to the United States of America as represented by the Secretary of the Army. 2,721,315, Cl. 340—6.
- Snyder, James E., to The Goodyear Tire & Rubber Co. 2,706,370, Cl. 53—5.
- Snyder, John C., to Houdry Process Corp. 2,701,813, Cl. 260—497.
- Snyder, John C., to Hercules Powder Co. 2,710,879, Cl. 260—532.
- Snyder, Kenneth E., to General Motors Corp. 2,720,190, Cl. 121—38.
- Snyder, Kenneth E., to General Motors Corp. 2,728,247, Cl. 74—761.
- Snyder, Lew C. 2,725,802, Cl. 95—4.5.
- Snyder, Merton F., to Scott-Atwater Mfg. Co. Inc. 2,712,792, Cl. 103—117.
- Snyder Oil Tool Corp. : *See*—  
 Snyder, Robert E. 2,713,992.  
 Snyder, Robert E. 2,714,500.
- Snyder, Posey R. 2,701,416, Cl. 30—293.
- Snyder, Robert A., to New Bedford Cordage Co. 2,713,938, Cl. 206—52.
- Snyder, Robert E., to Snyder Oil Tool Corp. 2,713,992, Cl. 255—3.
- Snyder, Robert E., to Snyder Oil Tool Corp. 2,714,500, Cl. 255—3.
- Snyder, Robert E. 2,727,797, Cl. 309—22.
- Snyder, Robert H. : *See*—  
 Tawney, Pliny O., Snyder, and Amidon. 2,719,137.
- Snyder, Robert H., to United States Rubber Co. 2,717,908, Cl. 260—534.
- Snyder, Russell B. : *See*—  
 Nixen, David, and Snyder. 2,713,754.
- Snyder, Thomas J. : *See*—  
 Daly, Lawrence E., Raymond, and Snyder. 2,706,698.
- Soave, John G., to Walde Kohinoor, Inc. 2,708,968, Cl. 164—17.
- Sobel, Sol, to Rainbo-Cel, Inc. 2,712,190, Cl. 41—10.
- Sober, Myron R. 2,707,019, Cl. 155—30.
- Soberma : *See*—  
 Camescasse, Pierre, and Mathieu. 2,720,454.
- Sobol, Thomas J. : *See*—  
 Panagrossi, Ahmed, and Sobol. 2,703,775.
- Sobol, Victor,  $\frac{1}{2}$  to N. Mandic. 2,713,752, Cl. 47—38.
- Sobotka, Harry H., to Mount Sinai Hospital Research Foundation, Inc. 2,726,244, Cl. 260—295.
- Sobotka, Philip S. 2,722,228, Cl. 135—28.
- Società Alessandro Calzoni : *See*—  
 Colliva, Dante. 2,725,797.
- Società Applicazioni Gomma Antivibranti : *See*—  
 Boschi, Antonio. 2,699,934.  
 Boschi, Antonio. 2,708,352.
- Società Italiana Ernesto Breda per Costruzioni, Meccaniche : *See*—  
 Fiorini, Sestilio. 2,715,356.
- Société a responsabilité limitée Realisations Ultrasoniques : *See*—  
 Renault, Paul. 2,724,783.
- Société a Responsabilité Limitée S. E. R. A. M. Société d'Etudes, de Recherches et d'Applications Mécaniques : *See*—  
 Tercé, Paul J. J. 2,701,984.
- Société Alsacienne de Constructions Mécaniques : *See*—  
 Audemar, Pierre. 2,711,332.  
 Blondé, Robert G. 2,711,443.
- Société Alsacienne de Constructions Mécaniques S. A. : *See*—  
 Douchet, Florimond A. J. 2,718,990.



- Societe Anonyme Adolphe Saurer:** *See—*  
Brunner, Niklaus. 2,707,976.
- Société Anonyme des Anciens Etablissements Albaret:** *See—*  
Paramythioti, Jean M. 2,704,968.
- Societe Anonyme des Anciens Etablissements Panhard & Levassor:** *See—*  
Panhard, Paul. 2,700,196.
- Societe Anonyme des Betons Duroc:** *See—*  
Paquin-Kleinermann, Abel. 2,723,607.
- Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey:** *See—*  
Baeyaert, Alfred E. M. 2,715,117.  
Bourgeaux, Maurice M. 2,708,813.  
Constant, Antime. 2,713,534.  
Courtier, Armand J. 2,707,695.  
Dupont, Paul. 2,712,494.  
George, Henri. 2,702,750.  
Heudier, Charles, and Staub. 2,701,193.  
Picot, Lucien, and Martin. 2,707,676.  
Viard, Marcel J. 2,703,810.
- Societe Anonyme des Usines Jean Gallay:** *See—*  
Belaieff, James F. 2,723,550.
- Societe Anonyme dite: Compagnie des Freins et Signaux Westinghouse:** *See—*  
Welker, Heinrich. 2,704,708.
- Societe Anonyme dite Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz:** *See—*  
Accariès, Maurice R. M. 2,721,118.
- Societe Anonyme dite: Forges et Ateliers de Constructions Electriques de Jeumont:** *See—*  
Hupgen, Marcel, and Bertaux. 2,725,416.
- Societe Anonyme dite: S. E. P. A. Societe d'Exploitation des Procèdes Arnouil:** *See—*  
Arnouil, Maurice. 2,710,137.
- Societe Anonyme dite: Societe des Brevets Logabax:** *See—*  
Campos, Francisco. 2,702,670.  
Campos, Francisco. 2,705,109.
- Societe anonyme dite: Societe Nouvelle de Construction de Machines Outils et d'Outillage Procèdes C.W.B.:** *See—*  
Berthiez, Charles W. 2,722,161.  
Berthiez, Charles W. 2,722,162.
- Societe Anonyme Francaise de Maroquinerie Sans Couture "Le Tanneur" et Tanneries du Bugey:** *See—*  
Margottat, Adolphe. 2,707,011.
- Société Anonyme Francaise du Ferodo:** *See—*  
Gautier, Jacques H. 2,718,796.
- Societe Anonyme Francaise Eternit:** *See—*  
Desnos, Pierre. 2,719,348.
- Societe Belge de l'Azote et des Produits Chimiques du Marly:** *See—*  
Braconier, Frédéric F. A., and Hermesse. 2,727,049.  
Braconier, Frédéric F. A., and Rayet. 2,705,732.
- Societe "Brevets Aero-Mecaniques" S. A.:** *See—*  
Maillard, Bernard. 2,722,865.
- Societe Civile d'Etudes de Calcul Automatique (S. C. E. C. A.):** *See—*  
Couffignal, Pierre L. 2,709,042.
- Societe d'Appareils de Contrôle et d'Equipement des Moteurs (S. A. C. E. M.):** *See—*  
Mennesson, Marcel. 2,725,111.
- Societe d'Appareils de Contrôle et d'Equipement des Moteurs (S. A. C. E. M.), S. A. R. L.:** *See—*  
Mennesson, Marcel. 2,699,228.
- Societe d'Applications des Machines Motrices:** *See—*  
Rohacs, Etienne. 2,722,579.
- Societe d'Applications Generale d'Electricite & de Mecanique:** *See—*  
Masson, Bernard, Thibault, and Berquier. 2,704,558.
- Societe de la Viscose Suisse:** *See—*  
Studer, Martin, and Willmann. 2,703,270.
- Societe d'Electro-Chimie d'Electro-Metallurgie et des Acieries Electriques d'Ugine:** *See—*  
Perrin, René. 2,718,389.
- Societe d'Electronique et d'Automatisme:** *See—*  
Gloess, Paul F. M. 2,711,526.  
Masson, Claude M. E. 2,727,991.  
Morel, Pierre L. G., and Robert. 2,708,731.  
Piel, Gérard J. R. 2,722,601.
- Societe de Prospection Electrique Procèdes, Schlumberger:** *See—*  
Schlumberger, Marcel. 2,698,733.
- Societe de Recherches Techniques et d'Exploitations Industrielles:** *See—*  
Trembley, Fernand. 2,724,587.
- Societe des Electrodes et Refractaires Savoie:** *See—*  
Bonnot, Maurice. 2,728,109.
- Societe des Usines Chimiques Rhone-Poulenc:** *See—*  
Herclois, Raymond J., and Metivier. 2,708,670.  
Peyrot, Pierre P., and Dumoulin. 2,707,179.
- Societe d'Etudes de Carburant l'Automobile et l'Aviation—S. E. C. A. A.:** *See—*  
Biver, Jean. 2,711,886.  
Beas, Bernard, and Kery. 2,726,984.  
Mosnier, Michel M., and Fournet. Re. 24,036.  
Paul, Raymond E., and Joseph. 2,726,926.
- Societe d'Etudes de Machines Speciales:** *See—*  
Chambo, Louis J. 2,700,544.
- Societe d'Etudes de Machines Thermiques:** *See—*  
Schütte, Alfred E. 2,708,547.
- "Societe d'Etudes et de Participations Eau, Gaz, Electricite Energie," S. A.:** *See—*  
Huber, Robert. 2,701,555.  
Huber, Robert. 2,711,719.  
Huber, Robert. 2,718,751.
- Societe d'Etudes et de Recherches Industrielles et Chimiques (S. E. R. I. C.):** *See—*  
Carpentier, Jacques. 2,717,768.
- Societe d'Etudes et de Recherches Techniques (S. E. R. T.), S. A. R. L.:** *See—*  
Quercia, Marcel, and Ferdinand. 2,728,213.
- Societe d'Exploitation de Brevets:** *See—*  
Petit, Jean F. G. 2,705,772.
- Societe d'Exploitation des Procèdes Lourd:** *See—*  
Lourd, Jacques L. J. 2,700,608.  
Lourd, Jacques L. J. 2,725,289.
- Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M.:** *See—*  
Lucien, Rene. 2,717,002.  
Lucien, René. 2,722,890.
- Societe Dite: Hewittic, societe a responsabilite limitee siege social:** *See—*  
Touly, Marcel. 2,709,756.
- Societe dite: Societe Anonyme des Roulements a Aiguilles:** *See—*  
Pitner, Alfred O. 2,703,264.
- Société dite: Tecalemit, Societe Anonyme:** *See—*  
Froidevaux, Oscar. 2,708,600.  
Froidevaux, Oscar. 2,718,332.  
Piquerez, Arthur. 2,719,605.
- Societe d'Optique et de Mecanique de Haute Precision:** *See—*  
Rosier, Raymond H. D. 2,704,487.  
Rosier, Raymond H. D. 2,716,920.
- Societe en nom collectif: Anciens Etablissements Aubert & Duval A. R. J. Duval Successeurs:** *See—*  
Ranque, Georges. 2,720,703.
- Societe Financiere d'Expansion Commerciale et Industrielle S. A. "SFINDEX":** *See—*  
Schnellmann, Ferdinand. 2,726,871.
- Societe Financiere pour l'Industrie Metallurgique S. A.:** *See—*  
Wüthrich, Ernst. 2,714,498.
- Societe Francaise d'Equipements pour la Navigation Aerienne S. F. E. N. A.:** *See—*  
Alkan, Robert. 2,704,353.  
Bonfont, Edmond B. F. 2,711,651.
- Societe Generale Isothermos:** *See—*  
Bouvat-Martin, Jean. 2,714,027.
- Societe Genevoise d'Instruments de Physique:** *See—*  
Mottu, André. 2,717,522.
- Societe Geoffroy-Delore:** *See—*  
Haugwitz, Otto. 2,727,396.
- Societe Industrielle de Sonceboz S. A.:** *See—*  
Pfister, Pierre F. 2,702,461.
- Societe La Cellophone:** *See—*  
Brandenberger, Jacques E. 2,702,971.
- Societe le Carbone-Lorraine:** *See—*  
Claude, Jean, Parisot, Hilliard, and Jaray. 2,721,730.
- Societe "Le Materiel Electrique S. W.":** *See—*  
De Poutiloff, Jean. 2,702,519.
- Societe les Fils de Peugeot Freres:** *See—*  
De la Source, Charles. 2,724,081.
- Societe Lignes Telegraphiques & Telephoniques:** *See—*  
Prache, Marie P. 2,718,049.
- Societe Mines et Industries:** *See—*  
Spinetta, Dominique. 2,711,251.
- Societe Nationale de Constructions Aeronautiques du Sud-Ouest:** *See—*  
Sévin, Paul E. 2,725,007.
- Societe Nationale de Constructions Aeronautiques du Sud-Ouest (Societe Anonyme):** *See—*  
Chanrion, Julien, and Mottais. 2,725,895.
- Societe Nationale d'Etude et de Construction de Moteurs d'Aviation:** *See—*  
Kadosch, Marcel, Paris, Bertin, and Marchal. 2,702,986.  
Meulien, Henri, and Bertin. 2,714,879.
- Societe Nobel Francaise:** *See—*  
Talet, Pierre A. 2,718,510.  
Talet, Pierre A. 2,726,223.
- Societe Nouvelle de L'Outillage R. B. V. et de la Radio-Industrie (R. B. V.-R. d.):** *See—*  
De France, Henri G. M. 2,704,304.  
Vorms, Armand. 2,700,066.
- Société Nouvelle des Etablissements Brandt:** *See—*  
Du Boscq de Beaumont, Henry M. E. 2,705,932.  
Dutrey, André. 2,727,465.  
Jasse, Joseph R. 2,714,836.
- Societe Olaer Marine:** *See—*  
Audemar, Pierre. 2,711,113.
- Societe pour l'Equipement des Industries Laitieres et Agricoles (S. E. I. L. A.):** *See—*  
Nanz, Ernst. 2,708,167.  
Nanz, Ernst. 2,721,062.
- Societe Rateau (Societe Anonyme):** *See—*  
Anxionnaz, René. 2,703,477.  
Sédille, Marcel H. L. 2,701,443.
- Societe "Rhodiacta":** *See—*  
Corbière, Paul J., and Ecully. 2,723,440.  
Stuchlik, René E. F. 2,712,490.
- Société so-called: Tecalemit, Société Anonyme:** *See—*  
Froidevaux, Oscar. 2,714,021.
- Societe Stapfer & Cie, s. a. r. l.:** *See—*  
Guerinet, Roger J. 2,716,910.
- Society Astral:** *See—*  
Mathieu, Francois. 2,724,644.
- Society "Brevets Aero-Mecaniques," S. A.:** *See—*  
Ramseyer, Robert. 2,717,532.



- Society Palladium: *See*—  
Hirschberger, Paul. 2,715,074.
- Socony Mobil Oil Co., Inc.: *See*—  
Baker, Charles O. 2,709,496.  
Baldwin, Donald G. 2,717,608.  
Bergstrom, Eric V. 2,709,674.  
Bergstrom, Eric V. 2,716,054.  
Bergstrom, Eric V. 2,717,439.  
Bergstrom, Eric V. 2,717,811.  
Bergstrom, Eric V. 2,724,190.  
Bergstrom, Eric V., and Soffr. 2,723,224.  
Bowles, Vernon O. 2,714,504.  
Brooks, John W. 2,721,179.  
Browning, Lewis M., Jr. 2,718,458.  
Browning, Lewis M., Jr., and Kauffman. 2,725,339.  
Celani, Pasquale J. 2,723,180.  
Coonradt, Harry L., and Leaman. 2,718,489.  
Crawford, Paul B. 2,722,277.  
Dickert, Joseph J., Jr., and Hartough. 2,721,875.  
Elliott, Kenneth M. 2,723,225.  
Elliott, Kenneth M. 2,726,994.  
Evans, Louis P. 2,717,863.  
Giammaria, John J. 2,727,862.  
Hagerbaumer, William A. 2,716,050.  
Hagerbaumer, William A. 2,726,122.  
Harper, James W., and Duval. 2,719,109.  
Holzinger, Rudolph J. 2,711,378.  
Honig, Richard E. 2,715,339.  
Jones, Clarence M., and Ross. 2,718,319.  
La Spina, Edoardo E. 2,728,512.  
Loper, George B. 2,722,569.  
McClure, Carroll D. 2,725,527.  
McDonald, Pat. 2,722,282.  
Mills, Robert L., and McDonald. 2,722,605.  
Nadro, Edward, Jr. 2,724,683.  
Otto, Ferdinand P. 2,722,554.  
Ray, Frederick E. 2,716,091.  
Rees, Norman J. 2,710,121.  
Simpson, Thomas P., Branton, and Plank. 2,727,868.  
Weisz, Paul B. 2,718,305.  
Yurko, Malvin M. 2,722,475.
- Socony-Vacuum Oil Co., Inc.: *See*—  
Andress, Harry J., Jr. 2,701,187.  
Armstrong, Eldon L. 2,704,353.  
Ault, Isaac L. 2,701,375.  
Behn, Albert W., and Cobb. 2,726,379.  
Bowles, Vernon O. 2,699,929.  
Brooks, John V. 2,704,275.  
Buck, Julian R., and Petree. 2,699,675.  
Cauley, Stephen P. 2,701,784.  
Clewell, Dayton H. 2,706,805.  
Drew, Robert D. 2,705,216.  
Evans, Louis P. 2,701,185.  
Evans, Louis P., Payne, and Penick. 2,701,786.  
Giammaria, John J. 2,704,277.  
Hicks, John S. 2,705,080.  
Huckabay, William B. 2,712,986.  
Hughes, Harold K. 2,706,789.  
Kopp, Harry L., and Manley. 2,704,745.  
Lechthaler, Charles H. 2,701,785.  
Orkin, Bernard A. 2,701,803.  
Otto, Ferdinand P. 2,698,835.  
Reiff, Orland M., and Kozacik. 2,700,673.  
Reichertz, Paul P., and Francis. 2,705,418.  
Savins, Joseph G. 2,703,006.  
Stripling, Allen A. 2,713,147.  
Summers, Gerald C. 2,704,364.
- Sodeco, Societe des Compteurs de Geneve: *See*—  
Dietrich, Theodor. 2,701,914.
- Soderberg, John C. 2,713,428, Cl. 216—25.
- Soderhamns Verkstad Aktiebolag: *See*—  
Sundlöf, Gustav. 2,711,198.
- Soderlund, Carl, to Norton Co. 2,704,912, Cl. 51—35.
- Soderlund, Carl, to Norton Co. 2,704,913, Cl. 51—47.
- Soderman, George W., and C. J. Stolp, to Western Electric Co., Inc. 2,705,341, Cl. 18—17.
- Soderquist, Leslie E., to The McNeil Machine and Engineering Co. 2,699,572, Cl. 18—17.
- Soderquist, Leslie E., to The McNeil Machine & Engineering Co. 2,715,245, Cl. 18—17.
- Soderstrom, Harry R., to Boeing Airplane Co. 2,705,083, Cl. 214—650.
- Soehner, Howard C., to The Mengel Co. 2,705,182, Cl. 312—257.
- Soehner, Howard C., to The Mengel Co. 2,708,296, Cl. 20—89.
- Soenksen, Edwin J. 2,713,917, Cl. 180—6.2.
- Sofer, George A.: *See*—  
Lawrence, Richard B., and Sofer. 2,721,025.
- Soffel, Arthur R., to Vitro Corp. of America. 2,722,122, Cl. 73—194.
- Soffer, Jack W., to Development Research, Inc. 2,704,621, Cl. 222—182.
- Soffer, Jack W., to Development Research, Inc. 2,704,622, Cl. 222—394.
- Soffer, Jack W., and J. Tedaldi, to Development Research, Inc. 2,703,665, Cl. 222—394.
- Soffron, George N.: *See*—  
Soffron, Stephen N., P. N., G. N., and T. Soffron. 2,726,157.
- Soffron, Peter N.: *See*—  
Soffron, Stephen N., P. N., G. N., and T. Soffron. 2,726,157.
- Soffron, Stephen N., P. N., G. N., and T. Soffron. 2,726,157, Cl. 99—111.
- Soffron, Thomas: *See*—  
Soffron, Stephen N., P. N., G. N., and T. Soffron. 2,726,157.
- Sofield, David D., to Gifford-Wood Co. 2,728,124, Cl. 22—202.
- Sofio, Edward G., to Hercules Mfg. Co., Inc. 2,709,281, Cl. 19—91.
- Sogge, Melvin G., to Minneapolis-Honeywell Regulator Co. 2,699,477, Cl. 200—87.
- Sogge, Melvin G., to Minneapolis-Honeywell Regulator Co. 2,719,531, Cl. 137—66.
- Soherr, William, to Air Reduction Co., Inc. 2,706,575, Cl. 220—15.
- Sokol, Harry: *See*—  
Sokol, Samuel J., and Coppoc. 2,701,237.
- Sokol, Samuel J., deceased (by H. Sokol, administrator), and W. J. Coppoc, to The Texas Co. 2,701,237, Cl. 252—37.2.
- Sokolik, Edward. 2,702,607, Cl. 187—9.
- Sokolik, Edward. 2,708,049, Cl. 215—31.
- Sokoloski, Edward B. A. 2,724,390, Cl. 132—92.
- Solar Aircraft Co.: *See*—  
Baker, John H., and Reed. 2,726,507.  
Day, Robert E. 2,701,444.  
Day, Robert E., and Hill. 2,720,078.  
Dunn, Walter H., and Wissman. 2,712,165.  
Kress, Ralph. 2,698,605.  
Hemmer, Anton V. 2,713,195.  
Pitt, Paul A. 2,726,511.  
Wosika, Leon R. 2,713,990.  
Wosika, Leon R. 2,714,802.  
Wosika, Leon R. 2,722,101.  
Wosika, Leon R. 2,727,355.  
Wosika, Leon R., Hodgson, and Pitt. 2,723,531.
- Solar Corp.: *See*—  
Castner, George P. 2,699,682.  
Castner, George P. 2,699,683.  
Foster, Willis R., and Wethe. 2,699,849.
- Solar Electric Corp.: *See*—  
Jeschke, Arnold L., and Conroy. 2,727,377.
- Solar Engineering & Equipment Co.: *See*—  
Campbell, George H., and R. G. and B. Martin. 2,721,516.
- Solari, Archie J., to Crane Packing Co. 2,728,591, Cl. 286—11.15.
- Solberg, Gunard J. 2,723,672, Cl. 132—75.8.
- Soldan, Lewis E. 2,713,694, Cl. 15—210.
- Solecki, John E., to Western Electric Co., Inc. 2,724,690, Cl. 204—204.
- Soles, Leland: *See*—  
Soles, Leland L. 2,709,014.
- Soles, Leland L., deceased, M. E. Soles, administratrix c. t. a., ½ to H. McCloy. 2,709,014, Cl. 214—518.
- Soles, Mary E.: *See*—  
Soles, Leland L. 2,709,014.
- Solheim, Russell G. 2,715,379, Cl. 114—51.
- Sollars, Ray C.: *See*—  
Yates, Cecil F., Baird, and Sollars. 2,715,331.
- Sollman, Paul B.: *See*—  
Dodson, Raymond M., and Sollman. 2,708,201.
- Sollmann, Carl H., to Kidde Mfg. Co., Inc. 2,707,957, Cl. 128—348.
- Solomon, Arthur R. and V. G. 2,698,673, Cl. 187—11.
- Solomon, Arthur R. and V. G. Re. 24,100, Cl. 187—11.
- Solomon, Bert P., to Pleatmaster, Inc. 2,710,653, Cl. 160—348.
- Solomon, Frank. 2,712,700, Cl. 36—1.
- Solomon, Joseph: *See*—  
Lusk, Wylie F. 2,715,476.
- Solomon, Julius L. 2,704,303, Cl. 178—5.2.
- Solomon, Leroy E., and J. R. Smyth, to The Electric Storage Battery Co. 2,727,081, Cl. 136—27.
- Solomon, Louis. 2,704,110, Cl. 155—11.
- Solomon, Louis. 2,704,850, Cl. 12—128.1.
- Solomon, Louis. 2,713,886, Cl. 155—11.
- Solomon, Louis. 2,718,911, Cl. 150—39.
- Solomon, Morris. 2,711,732, Cl. 128—215.
- Solomon, Nathan L. 2,713,864, Cl. 132—40.
- Solomon, Nathan L. 2,719,527, Cl. 132—33.
- Solomon, Nathan L. 2,720,882, Cl. 132—40.
- Solomon, Vern G.: *See*—  
Solomon, Arthur R. and V. G. Re. 24,100.  
Solomon, Arthur R. and V. G. 2,698,673.
- Solveichik, Samuel. 2,714,606, Cl. 260—466.
- Soltan, Joseph R. 2,709,986, Cl. 119—51.
- Soltis, John E., to United States Steel Corp. 2,719,236, Cl. 250—222.
- Solux Corp.: *See*—  
Spinetta, Anthony E. 2,713,631.
- Solvay & Cie: *See*—  
Deprez, Charles. 2,704,743.  
Gonze, Max. 2,724,724.  
Virirot, Jacques. 2,724,002.  
Vossen, Jean. 2,708,681.
- Somers, Allen E.: *See*—  
Harrison, James M., and Somers. 2,702,783.  
Harrison, James M., and Somers. 2,704,271.  
Harrison, James M., and Somers. 2,704,272.
- Somers, Arthur V., to General Motors Corp. 2,700,620, Cl. 117—60.
- Somers, Brock A., Simsbury, to Connecticut Valley Enterprises Inc. 2,718,563, Cl. 200—87.
- Somers, Robert W.: *See*—  
MacLeod, Norman L., Krieg, Keeler, Wersits, and Somers. 2,702,684.



- Somerville, Alexander, to General Motors Corp. 2,721,478, Cl. 73—194.
- Somes, Fred J., Jr., to National Electric Products Corp. 2,722,335, Cl. 218—42.
- Sommer, Albert, to "Straba" Handels-Aktiengesellschaft. 2,726,852, Cl. 259—154.
- Sommer, Alfred H., to Electric & Musical Industries Ltd. 2,702,259, Cl. 117—211.
- Sommer, Harry J., and R. L. Griffin, to Shell Development Co. 2,706,688 Cl. 106—83.
- Sommer, Kurt, and P. Maca, to Sommer & Maca Glass Machinery Co. 2,725,691, Cl. 51—135.
- Sommer, Leo H., to Dow Corning Corp. 2,698,859, Cl. 260—448.2.
- Sommer, Leo H., to Dow Corning Corp. 2,698,860, Cl. 260—448.2.
- Sommer, Leo H., to Dow Corning Corp. 2,713,063, Cl. 260—448.2.
- Sommer, Leo H., to Dow Corning Corp. 2,721,856, Cl. 260—46.5.
- Sommer, Ludwig. 2,721,047, Cl. 244—64.
- Sommer & Maca Glass Machinery Co.: *See*—  
Sommer, Kurt, and Maca. 2,725,691.
- Sommer, Robert J.: *See*—  
Cummins, Robert K., and Sommer. 2,726,487.
- Sommerhauser, Louis P. 2,713,417, Cl. 206—9.
- Sommers, Henry S., Jr., to the United States of America as represented by the Secretary of the Navy. 2,721,320, Cl. 343—7.4.
- Somogyi, Francis P. 2,708,040, Cl. 214—17.
- Somoza, Julius. 2,725,732, Cl. 65—13.
- Sonderby, Aage, to Ole Olsen Bull. 2,701,400, Cl. 24—113.
- Sonderegger, Konrad, to Schweizerische Lokomotiv- und Maschinenfabrik. 2,699,358, Cl. 299—107.6.
- Sondheimer, Franz, C. Djerassi, and G. Rosenkranz, to American Syntex Inc. 2,702,290, Cl. 260—239.55.
- Sondheimer, Franz, C. Djerassi, G. Rosenkranz, and O. Mancera, to Syntex S. A. 2,702,291, Cl. 260—239.55.
- Sonntag, Wolfgang C. 2,728,469, Cl. 214—17.
- Sonne, Frederick T., and E. J. Bury, to Chicago Aerial Survey Co. 2,713,814, Cl. 95—12.5.
- Sonnenfeldt, Richard W., to Radio Corp. of America. 2,713,608, Cl. 178—5.4.
- Sonnenfeldt, Richard W., to Radio Corp. of America. 2,716,718, Cl. 315—22.
- Sonoco Products Co.: *See*—  
Biggs, William A., Jr., and Adams. 2,702,167.
- Copenhagen, James E., Biggs, Baxley, and Wise. 2,714,118.
- Sonotone Corp.: *See*—  
Carlisle, Richard W., Greenbaum, and Gundersheim. 2,699,471.
- Jacobus, Herbert R., Jr. 2,716,200.
- Klingener, Harry F. 2,717,929.
- Koren, Heiman W. 2,699,470.
- Koren, Heiman W. 2,708,213.
- Koren, Heiman W., and Baumstark. 2,708,211.
- Koren, Heiman W., and Baumstark. 2,708,212.
- Soo Hoo, Paul. 2,705,435, Cl. 88—16.
- Sooy, Brainard E., and H. C. Fisher, to The Gardner Board and Carton Co. 2,725,307, Cl. 117—65.
- Soreng, Edgar M., to Soreng Products Corp. 2,701,350, Cl. 339—256.
- Soreng, Edgar M., to Soreng Products Corp. 2,705,788, Cl. 339—258.
- Soreng, Edgar M., and I. Gebel, to Soreng Products Corp. 2,720,564, Cl. 200—83.
- Soreng Products Corp.: *See*—  
Frerer, Paul G., and Maier. 2,727,610.
- Soreng, Edgar M. 2,701,350.
- Soreng, Edgar M. 2,705,788.
- Soreng, Edgar M., and Gebel. 2,720,564.
- Sorensen, Andrew J., to Westinghouse Air Brake Co. 2,706,813, Cl. 340—345.
- Sorensen, Clarence T., 12½% to L. S. McLeod, 10% to W. H. Kendall, 5% to P. W. Lewis, and 5% to W. W. Lorch. 2,709,575, Cl. 257—1.
- Sorensen & Co., Inc.: *See*—  
Henrich, William H. 2,714,186.
- Scherer, Bernard L. 2,714,188.
- Silver, Nathaniel. 2,721,303.
- Silver, Nathaniel, and Tanner. 2,721,304.
- Sorensen, Frank E. 2,723,047, Cl. 220—52.
- Sorensen, George E. 2,700,825, Cl. 33—143.
- Sorensen, Harald. 2,711,326, Cl. 280—16.
- Sorensen, Knud B., and W. R. Pierson, to Deere & Co. 2,716,855, Cl. 55—126.
- Sorensen, Phillips N., to The Ohio Crankshaft Company. 2,715,170, Cl. 219—10.53.
- Sorensen, Ben E., to E. I. du Pont de Nemours and Co. 2,705,704, Cl. 260—51.
- Sorenson, Isaac L.: *See*—  
Griffiths, David J., and Sorenson. 2,271,605.
- Sorenson, Roger A. 2,709,433, Cl. 128—218.
- Sorf, Edward R.: *See*—  
Bergstrom, Eric V., and Sorf. 2,723,224.
- Sorg, Harold E., H. H. Eaves, and D. F. Drieschman, to Eitel-McCullough, Inc. 2,719,185, Cl. 174—50.53.
- Sorg, Leonard V., to Standard Oil Co. 2,702,237, Cl. 44—63.
- Sorge, William A., to Esso Research and Engineering Co. 2,724,452, Cl. 181—6.5.
- Soriano, Emilio: *See*—  
Canto, Modesto, and Soriano. 2,708,810.
- Sorrell, Donald W., to D. J. Mulleavey. 2,724,133, Cl. 9—13.
- Sorrell, Donald W., to D. J. Mulleavey. 2,724,319, Cl. 98—37.
- Sorrick, Charles H., Jr.: *See*—  
Nye, Norman H., Penn, Ensinger, and Sorrick. 2,703,612.
- Soskice, Victor, to Airex Mfg. Co., Inc. 2,726,474, Cl. 43—43.14.
- Soss, Arthur. 2,718,697, Cl. 30—272.
- Soss, Arthur. 2,718,698, Cl. 30—272.
- Soss, Arthur. 2,718,699, Cl. 30—272.
- Sotebeer, Russell L.: *See*—  
Opland, Herman T., and Sotebeer. 2,703,427.
- Sothers, Hugh V.: *See*—  
Allen, Henry H., and Sothers. 2,701,718.
- Soucy, Armand J. 2,716,572, Cl. 296—95.
- Soucy, Guilbert F. 2,717,183, Cl. 308—77.
- Soucsek, Ernst, ½ to A. J. Herz, deceased; G. P. Herz, administrator. 2,701,853, Cl. 318—29.
- Souillard, Georges J. P., to Institut Francais du Petrole des Carburants et Lubrifiants. 2,707,197, Cl. 260—67.4.
- Soule, Arthur H., to Dalmo Continental, Inc. 2,707,809, Cl. 20—42.
- Soule Steel Co.: *See*—  
Kullmer, Frank. 2,708,013.
- Sound Apparatus Co.: *See*—  
Niemann, Arthur W. 2,702,736.
- Sound, Inc.: *See*—  
Tiger, Emil. 2,708,779.
- Souris, John G. 2,727,751, Cl. 280—41.
- Sousa, Louis M., and C. Merlin. 2,727,532, Cl. 137—528.
- Soussloff, Dimitri G., C. A. Steele, and R. V. Tata, to Universal Winding Co. 2,715,308, Cl. 57—58.65.
- Souter, Donald, to Western Electric Co., Inc. 2,721,904, Cl. 179—27.52.
- South, Chester P., to Bear Mfg. Co. 2,704,474, Cl. 81—55.
- South, Francis C., to the United States of America as represented by the Secretary of the Navy. 2,703,071, Cl. 121—43.
- South, Louis I.: *See*—  
Miner, Charles M., and South. 2,722,763.
- South, Willard A. 2,711,316, Cl. 268—21.
- Southam, Earl A., H. F. Davis, and G. P. Wennes, Jr., to The Lindsay Wire Weaving Co. 2,711,469, Cl. 219—21.
- South Bend Bait Co.: *See*—  
Salm, Leslie B. 2,719,378.
- South Bend Screw Products, Inc.: *See*—  
Ehrlich, Donn G. 2,700,548.
- Sontheimer, Carl G., to The Liquidometer Corp. 2,724,273, Cl. 73—304.
- Southern Handkerchief Mfg. Co.: *See*—  
Dixon, Paul H., and Hays. 2,699,936.
- Southern Instruments Ltd.: *See*—  
Colls, John A. 2,709,205.
- Southern Lightweight Aggregate Corp.: *See*—  
Old, Albert F., and Gibson. 2,721,069.
- Southern Production Co., Inc.: *See*—  
Levine, Morris, and Isham. 2,703,154.
- Southern, Raymond L.: *See*—  
Herres, Schuyler A., and Southern. 2,708,770.
- Southern, Raymond L., to Titanium Metals Corp. of America. 2,726,278, Cl. 13—9.
- Southern Research Institute: *See*—  
Oglesby, Sabert, Jr., and Thomas. 2,711,626.
- Southern Steel and Stove Co., Inc.: *See*—  
Bower, Albert B., and Spreen. 2,709,551.
- Southern Textile Machinery Co., Inc.: *See*—  
Ammon, Edward R. 2,722,348.
- Southern United Telephone Cables Ltd.: *See*—  
Meadows, Stanley G., and Saxby. 2,713,656.
- Meadows, Stanley G., and Saxby. 2,726,130.
- Southern Wire & Iron Works: *See*—  
Borochoff, Charles Z. 2,718,916.
- Southern Wood Preserving Co.: *See*—  
Vaughan, Joseph A. 2,706,344.
- Southern States Equipment Corp.: *See*—  
Carmichael, Robert D. 2,719,338.
- Curtis, Thomas E. 2,728,055.
- Curtis, Thomas E., and de Montmollin. 2,721,242.
- De Montmollin, James M. 2,728,056.
- Hansen, Johannes P. 2,727,401.
- South Houston Machine Co.: *See*—  
McWhorter, Cullen J. 2,711,302.
- Southport Paint Co., Inc.: *See*—  
Hampton, Ray R. 2,708,170.
- Southwest Products Co.: *See*—  
Potter, Lee R. 2,724,172.
- Southwestern Engineering Co.: *See*—  
Lord, Joseph R. 2,713,420.
- Southwick, Clyde E. 2,703,928, Cl. 30—167.
- Southworth, James, Jr.: *See*—  
Fisher, Charles R., Southworth, Schumacher, and Bennett. 2,724,010.
- Sowder, Tony R., to Riblet Tramway Co. 2,710,650, Cl. 155—189.
- Sowle, Harry A.: *See*—  
Norell, Lester W., and Sowle. 2,701,826.
- Sowle, Theo J. 2,715,222, Cl. 2—9.
- Sowter, Anthony B.: *See*—  
Foxon, Henry J., and Sowter. 2,701,483.
- Sowter, Anthony B., to The General Electric Co. Ltd. 2,698,548, Cl. 78—92.
- Sowter, Anthony B., to The General Electric Co. Ltd. 2,703,997, Cl. 78—470.1.



- Sowter, Anthony B., to The General Electric Co. Ltd. 2,703,998, Cl. 78—470.1.  
 Sowter, Anthony B., to The General Electric Co. Ltd. 2,707,821, Cl. 29—432.  
 Sowter, Anthony B., to The General Electric Co. Ltd. 2,707,822, Cl. 29—470.1.  
 Sowter, Anthony B., to The General Electric Co. Ltd. 2,707,823, Cl. 29—470.1.  
 Sowter, Anthony B., to The General Electric Co. Ltd. 2,707,824, Cl. 29—470.1.  
 Sowter, Anthony B., to The General Electric Co. Ltd. 2,707,825, Cl. 29—470.1.  
 Sowter, Anthony B., to The General Electric Co. Ltd. 2,707,826, Cl. 29—470.1.  
 Sowter, Anthony B., to The General Electric Co. Ltd. 2,707,889, Cl. 29—470.1.  
 Spackman, Thomas F., to American Air Filter Co., Inc. 2,720,916, Cl. 158—28.  
 Spadaro, James J.: *See—*  
   Gastrock, Edward A., Vix, D'Aquin, Graci, and Spadaro. 2,727,914.  
   Gastrock, Edward A., Vix, D'Aquin, Spadaro, and Graci. 2,726,253.  
 Spaeth, Charles P.: *See—*  
   Noddin, George A., and Spaeth. 2,717,204.  
 Spaeth, Irvin J., to Chicago Railway Equipment Co. 2,702,614, Cl. 188—223.1.  
 Spafford, Ralph W., to Philco Corp. 2,709,237, Cl. 318—207.  
 Spahr, Robert H., Jr., to General Motors Corp. 2,725,116, Cl. 183—49.  
 Spain, Roy C., to The Yale & Towne Mfg. Co. 2,702,468, Cl. 70—455.  
 Spain, Roy C., to The Yale & Towne Mfg. Co. 2,720,102, Cl. 70—14.  
 Spaine, Edward P., to The Singer Mfg. Co. 2,715,375, Cl. 112—136.  
 Spalding, A. G., & Bros. Inc.: *See—*  
   Axton, Benjamin J., Jr. 2,700,410.  
   Axton, Benjamin J., Jr. 2,700,545.  
   Brandon, Thomas O. 2,727,384.  
   Brandon, Thomas O. 2,727,385.  
 Spalding, Dexter B.: *See—*  
   Copeman, Lloyd G., and Spalding. 2,704,732.  
 Spalding, Joe P., and W. R. Erwin, Jr. 2,705,391, Cl. 51—34.  
 Spalding, Kenneth D., to Dominion Watch Case Ltd. 2,718,750, Cl. 59—79.  
 Spallini, José P., to Lapis Johann Faber Ltda. 2,704,533, Cl. 120—42.4.  
 Spänel, Abraham N. 2,711,014, Cl. 30—31.  
 Spänel, Lois A., H. A. Owen, and H. J. Barth, to International Latex Corp. 2,721,323, Cl. 2—42.  
 Spang & Co.: *See—*  
   Spang, Ferdinand J. 2,705,998.  
 Spang, Ferdinand J., to Spang & Co. 2,705,998, Cl. 164—4.  
 Spangenberg, Willy & Co.: *See—*  
   Spangenberg, Willy J. A., and Culemeyer. 2,716,630.  
 Spangenberg, Willy J. A., and K. H. W. Culemeyer, to Willy Spangenberg & Co. 2,716,630, Cl. 202—52.  
 Spangler, Carl V., to J. F. Pritchard & Co. 2,712,730, Cl. 62—1.  
 Spangler, Fred W.: *See—*  
   Beach, Norman F., and Spangler. 2,704,716.  
 Spangler, William B. 2,711,231, Cl. 189—34.  
 Spanjer, Keith G. 2,711,718, Cl. 123—133.  
 Spann, Lawrence R., and G. R. Tarbox, to Eastern Malleable Iron Co. 2,719,613, Cl. 188—200.  
 Spannhaake, Ernst W., to Barnes & Reinecke, Inc. 2,714,373, Cl. 123—41.31.  
 Spanos, William M.: *See—*  
   Nail, James J., and Spanos. 2,720,590.  
 Sparklin, Charles H., to Birtman Electric Co. 2,702,871, Cl. 310—72.  
 Sparklin, Charles H., to Birtman Electric Co. 2,726,466, Cl. 38—77.  
 Sparks, Karl A.: *See—*  
   Brown, Harold. 2,726,078.  
 Sparks, Morgan: *See—*  
   Logan, Ralph A., and Sparks. 2,698,780.  
 Sparks, Morgan, to Bell Telephone Laboratories, Inc. 2,727,839, Cl. 148—1.5.  
 Sparks, Ralph. 2,706,560, Cl. 209—479.  
 Sparks, Warren A., to J. W. Henry. 2,709,354, Cl. 67—20.1.  
 Sparr, Frank, to Bright Star Battery Co. 2,708,735, Cl. 324—29.5.  
 Sparrow, Donald B., J. J. Eberl, and K. W. Britt, to Scott Paper Co. 2,707,144, Cl. 8—104.  
 Sparrow, Donald B., J. J. Eberl, and K. W. Britt, to Scott Paper Co. 2,707,145, Cl. 8—104.  
 Spase, Charles B., to Lipe-Rollway Corp. 2,704,467, Cl. 74—574.  
 Spase, Charles B., to Lipe-Rollway Corp. 2,714,437, Cl. 192—69.  
 Spaulding, Carl P., to Consolidated Engineering Corp. 2,706,401, Cl. 73—71.  
 Spaulding, Carl P., to Consolidated Engineering Corp. 2,727,208, Cl. 324—60.  
 Spaulding, Glen E. 2,723,135, Cl. 280—509.  
 Spaulding, Lyman R.: *See—*  
   Stringfield, Theodore W., Spaulding, Stevens, and Behrens. 2,725,526.  
 Spaulding, Lyman R. 2,709,784, Cl. 324—52.  
 Spaulding, Robert A., to General Motors Corp. 2,726,968, Cl. 117—130.  
 Spaulding, Robert A., to General Motors Corp. 2,726,969, Cl. 117—130.  
 Spayd, Fred M., deceased, by J. W. Hatfield, administrator, to Spayd Metal Products Corp. 2,699,181, Cl. 137—614.  
 Spayd Metal Products Corp.: *See—*  
   Spayd, Fred M. 2,699,181.  
 Spear, Arthur U., to Brown & Bigelow. 2,725,651, Cl. 40—124.1.  
 Spear, Byron G., Jr. 2,724,184, Cl. 33—112.  
 Spear, Donald R.: *See—*  
   Fowler, William F., Jr., Spear, and Tong. 2,713,539.  
 Spear, Walter A., to NuTone, Inc. 2,708,232, Cl. 219—39.  
 Spearow, Ralph. 2,725,106, Cl. 166—9.  
 Spears, Cecil D. 2,706,602, Cl. 242—84.5.  
 Spears, Robert M. 2,706,828, Cl. 16—189.  
 Spechler, Arthur I.: *See—*  
   Goldenberg, Morris L. 2,702,653.  
 Special Equipment Co.: *See—*  
   Thompson, Clarence R. 2,704,561.  
 Specialties Development Corp.: *See—*  
   Anthony, Charles, Jr., and Thomann. 2,724,693.  
   Bowman, Robert W. 2,704,582.  
   Grant, Harry C., Jr. 2,719,532.  
   Grant, Harry C., Jr., and Parsons. 2,717,042.  
   Hall, Cyril C. 2,712,643.  
   Heizer, Edward J. 2,717,128.  
   Mapes, Daniel. 2,719,589.  
   Schmidlin, Albertus E. 2,699,364.  
   Squier, Donald R. 2,728,407.  
   Towle, Robert G. 2,728,827.  
   Wentz, Edward A. 2,714,494.  
 Specialties, Inc.: *See—*  
   Fieldgate, Ivan O. 2,701,473.  
 Specialty Papers Company, The: *See—*  
   Ireton, Carl A. 2,714,952.  
 Speck, Donald L. 2,703,094, Cl. 135—57.  
 Speck, Kurt, to Jacques Kreisler Mfg. Corp. 2,713,445, Cl. 224—4.  
 Speck, Lawrence J.: *See—*  
   Chick, Arthur J., and Speck. 2,708,787.  
 Speck, Stanley B., to E. I. du Pont de Nemours and Co. 2,722,524, Cl. 260—75.  
 Speckin, Alfred P.: *See—*  
   Bashor, James R., and Speckin. 2,709,267.  
 Speckman, Melvin L.: *See—*  
   Ladd, Allan L., and Speckman. Re. 23,935.  
 Specter, Merrill E., to The Upjohn Co. 2,708,197, Cl. 260—319.  
 Spector, Irving. 2,723,895, Cl. 312—282.  
 Spector, Samuel J., to National Electronic Mfg. Corp. 2,709,220, Cl. 250—33.  
 Spedding, Frank H., and A. H. Daane, to the United States of America as represented by the United States Atomic Energy Commission. 2,714,554, Cl. 75—84.  
 Spedding, Raymond T., and D. J. McGee, to Ford Motor Co. 2,722,798, Cl. 56—298.  
 Speed Development Co. Ltd.: *See—*  
   Ruffe, William H. 2,718,565.  
 Speed Products Co., Inc.: *See—*  
   Buechler, Paul W. 2,702,383.  
   Ruskin, Henry. 2,702,384.  
   Ruskin, Henry. 2,717,382.  
 Speed, William C., Riverside, and J. J. Dwyer, to Audio Devices, Inc. 2,700,367, Cl. 118—67.  
 Speed, William C., and J. J. Dwyer, to Audio Devices, Inc. 2,700,952, Cl. 118—10.  
 Speed, William C., and J. J. Dwyer, to Audio Devices, Inc. 2,700,954, Cl. 118—33.  
 Speed, William C., and J. J. Dwyer, to Audio Devices, Inc. 2,700,955, Cl. 118—415.  
 Speed, William C., and J. J. Dwyer, to Audio Devices, Inc. 2,702,251, Cl. 117—7.  
 Speed, William C., and J. J. Dwyer, to Audio Devices, Inc. 2,702,522, Cl. 118—6.  
 Speed, William C., and J. J. Dwyer, to Audio Devices, Inc. 2,702,581, Cl. 154—42.3.  
 Speed, William C., and J. J. Dwyer, to Audio Devices, Inc. 2,703,066, Cl. 118—67.  
 Speed, William C., and J. J. Dwyer, to Audio Devices, Inc. 2,714,363, Cl. 118—9.  
 Speed, William C., and J. J. Dwyer, to Audio Devices, Inc. 2,714,871, Cl. 118—249.  
 Spee-Dee Corp. of Texas: *See—*  
   Baker, Ralph G. 2,703,536.  
 Speed Queen Corp.: *See—*  
   Thiele, Berthold R. 2,711,297.  
 Speekman, Bernardus W., to Hartford National Bank and Trust Co., trustee. 2,709,666, Cl. 134—6.  
 Speeter, Merrill E.: *See—*  
   Koehnke, John H., and Speeter. 2,704,763.  
   Koehnke, John H., and Speeter. 2,707,187.  
 Speeter, Merrill E., to The Upjohn Co. 2,703,325, Cl. 260—319.  
 Speeter, Merrill E., to Bristol Laboratories Inc. 2,721,216, Cl. 260—559.  
 Speeter, Merrill E., to The Upjohn Co. 2,728,778, Cl. 260—319.  
 Spegewater, Christiania: *See—*  
   Krokstrand, Hans H. 2,713,678.  
 Speicher, Elmer W. 2,716,312, Cl. 51—168.  
 Speier, John L., to Dow Corning Corporation. 2,715,133, Cl. 260—448.2.



- Speier, John L., Jr., to Dow Corning Corporation. 2,715,134, Cl. 260—448.2.
- Speier, John L., to Dow Corning Corp. 2,723,987, Cl. 260—448.2.
- Spence, Andrew. 2,724,709, Cl. 260—97.6.
- Spence, Ernest I.: *See—*  
Nutter, Frank E., and Spence. 2,710,428.
- Spence, Henry U. 2,706,914, Cl. 74—113.
- Spence, John H., to Pullman-Standard Car Mfg. Co. 2,715,539, Cl. 292—189.
- Spence, Peter, and Sons Ltd.: *See—*  
Brown, Gerald T. 2,717,197.
- Spence, Thomas C.: *See—*  
Stanton, George W., and Spence. 2,707,157.
- Spencer, Charles L.: *See—*  
Fisk, Bert, and Spencer. 2,705,795.
- Spencer Chemical Co.: *See—*  
Heavin, Leonard J. 2,721,018.
- Spencer, Douglas C., and R. S. Tusing, to Westinghouse Electric Corp. 2,711,452, Cl. 200—50.
- Spencer, Gerald V., to American Seating Co. 2,725,924, Cl. 155—125.
- Spencer, Glenn S., to Bendix Aviation Corp. 2,704,458, Cl. 74—7.
- Spencer, Herman J. 2,710,964, Cl. 1—49.
- Spencer, Herman J. 2,715,220, Cl. 1—49.
- Spencer, James, to Perma-Flex Industries Ltd. 2,721,601, Cl. 154—41.
- Spencer, John P. 2,701,643, Cl. 210—75.
- Spencer, Lee. 2,703,205, Cl. 238—164.
- Spencer, Lorn L., Sr. 2,718,785, Cl. 73—317.
- Spencer, Ralph M., and M. J. Smith. 2,713,199, Cl. 30—4.
- Spencer, Rolf E., and T. J. Rey, to Electric & Musical Industries Ltd. 2,707,590, Cl. 235—61.
- Spencer, Roy C., to the United States of America as represented by the Secretary of the Navy. 2,721,263, Cl. 250—33.63.
- Spencer, Sidney H., to the United States of America as represented by the Secretary of the Navy. 2,722,827, Cl. 73—65.
- Spencer, T. H., to Caterpillar Tractor Co. 2,724,394, Cl. 134—105.
- Spencer, Thomas D.: *See—*  
Dodd, Harold, and Spencer. 2,715,273.
- Spencer, William H.: *See—*  
Mordarski, Walter J., and Spencer. 2,719,017.
- Spendelow, Howard R., Jr., and W. Crafts, to Union Carbide and Carbon Corp. 2,703,277, Cl. 75—171.
- Spengler, Ralph A., A. O. Reynolds, and C. W. Snyder; said Reynolds and said Snyder assors. to said Spengler. 2,728,169, Cl. 47—37.
- Spengler, William E.: *See—*  
Milbourne, Charles G., and Spengler. 2,711,419.
- Spenner, Elmer E. 2,707,111, Cl. 280—202.
- Spenner, Joseph F. 2,713,954, Cl. 222—179.
- Sperber, Edward J., to Radio Corp. of America. 2,706,639, Cl. 274—10.
- Sperber, Edward J., to Radio Corp. of America. 2,706,787, Cl. 250—40.
- Sperber, Nathan, and D. Papa, to Schering Corp. 2,727,895, Cl. 260—290.
- Sperlich, Herman A.: *See—*  
Happe, Arthur H. 2,711,974.
- Sperlich, Herman A., to Ironrite, Inc. 2,711,600, Cl. 38—59.
- Sperr, Charles J., Jr., to Warner Electric Brake & Clutch Co. 2,728,878, Cl. 317—123.
- Sperry, Albert F., to Panellit, Inc. 2,709,249, Cl. 340—213.
- Sperry Corp., The: *See—*  
Andrews, William A. 2,701,861.  
Beach, Lennox F. 2,704,196.  
Best, Albert M., and McCutcheon. 2,714,259.  
Curry, Robert S., Jr. Re. 23,938.  
Depp, Marlin C., and Kellogg. 2,700,745.  
Drake, Harcourt C. 2,699,061.  
Fragola, Caesar F., and Kolb. 2,700,898.  
Fraser, Robert. 2,703,380.  
Ford, Hannibal C., Crooke, and Newell. 2,702,667.  
Garbarini, Robert F., Wheeler, and Ericson. 2,712,269.  
Ginzton, Edward L., and Salisbury. 2,703,365.  
Guiles, Charles H. 2,704,815.  
Hammond, Edmund B., Jr. 2,704,456.  
Hammond, Edmund B., Jr. 2,704,490.  
Hammond, Edmund B., Jr. 2,705,371.  
Hammond, Edmund B., Jr. 2,709,303.  
Hammond, Edmund B., Jr., Wing, and Williams. 2,704,489.  
Harris, Herbert, Jr. 2,705,792.  
Haupt, Eugene J., and McDuffie. 2,714,796.  
Hollyday, James H. 2,711,687.  
Kellogg, Spencer, 2nd. 2,699,612.  
Knowles, Richard C. 2,699,895.  
Koch, Karl E. 2,712,282.  
Litchford, George B. 2,705,793.  
Litchford, George B. 2,711,533.  
Lyman, Joseph, and Caldwell. 2,713,121.  
Marchese, Vincent J. 2,706,170.  
Martin, Charles Q. 2,711,902.  
Morrow, Charles T. 2,701,337.  
Nolt, Edwin B. 2,712,042.  
Nolt, Edwin B. 2,714,441.  
Palmer, Winslow. 2,705,320.  
Pine, Cecil C. 2,709,053.  
Rich, Charles E. 2,701,321.
- Sperry Corp., The: *See—Continued.*  
Shepherd, James E. 2,708,751.  
Shepherd, James E., Mieher, and White. 2,710,399.  
Wang, Chao C. 2,707,758.  
Wathen, Robert L. 2,698,932.  
West, James R. 2,713,240.  
West, James R. 2,713,241.  
White, Gifford E. 2,703,039.
- Sperry Gyroscope Co., Ltd., The: *See—*  
Fisher-Luttrell, William, and Dove. 2,698,542.
- Sperry, John A. 2,708,830, Cl. 62—91.5.
- Sperry Products, Inc.: *See—*  
Hardie, Fred H., and Goodman. 2,707,755.  
Henry, Elliott A. 2,705,422.  
Van Valkenburg, Howard E. 2,709,760.  
Van Valkenburg, Howard E., and Emmert. 2,723,357.
- Sperry Rand Corp.: *See—*  
Cohn, Seymour B. 2,723,377.  
Frantz, Wilbert P. 2,728,908.  
Furst, John J. 2,720,116.  
Goertz, Raymond C., and Wathen. 2,724,998.  
Gordon, Bernard M. 2,719,227.  
Grunsky, Carl E. 2,728,907.  
Hammond, Edmund B., Jr., and MacDonald. 2,718,355.  
Hansen, William W., and Moreno. 2,724,800.  
Hays, Robert F. 2,720,643.  
Isbister, Eric J. 2,716,235.  
Kenyon, David E. 2,721,952.  
Knowles, Richard C., Holschuh, and White. 2,715,776.  
Landsiedel, Walter W. 2,726,037.  
Lester, John M., and Hinchey. 2,716,234.  
Lewinstein, Marcus. 2,717,999.  
Newton, John C., and Beers. 2,724,564.  
Orth, Henry C. 2,724,415.  
Palmer, Winslow. 2,728,909.  
Proctor, Edward K. 2,720,589.  
Rask, Eric H. 2,721,642.  
Reinish, Gloria B., and O'Toole. 2,716,236.  
Schremp, Frederick W., and Seymour. 2,714,948.  
Shepherd, James E., and White. 2,720,647.  
Wark, Homer A. 2,717,833.  
West, Francis, Jr. 2,719,502.  
White, Gifford E. 2,717,374.  
Wing, Willis G. 2,716,214.  
Wing, Willis G. 2,719,291.  
Wing, Willis G. 2,720,115.  
Wing, Willis G. 2,720,626.
- Sperry Rand Corp., The: *See—*  
Lally, Philip M., and Barash. 2,727,179.  
White, Gifford E. 2,726,810.
- Sperry-Sun Well Surveying Co.: *See—*  
Butterworth, Gilbert J., and Gurasich. 2,713,261.  
Ring, Roland. 2,711,879.  
Van den Beemt, Jan H. 2,706,526.
- Sperti, George: *See—*  
Embschhoff, George F., and Sperti. 2,724,790.
- Speziale, Angele J.: *See—*  
Zienty, Ferdinand B., and Speziale. 2,704,300.
- Speziale, Angelo J., to Monsanto Chemical Co. 2,713,068, Cl. 260—586.
- Speziale, Angelo J., to Monsanto Chemical Co. 2,713,069, Cl. 260—586.
- Speziale, Angelo J., to Monsanto Chemical Co. 2,713,070, Cl. 260—611.
- Spheric Structures, Inc.: *See—*  
Shaw, Brackley. 2,705,349.  
Woods, George B. 2,711,181.
- Spialter, Leonard: *See—*  
MacKenzie, Charles A., Spialter, and Schoffman. 2,721,873.  
Rust, John B., and Spialter. 2,709,174.
- Spicacci, Attilio R.: *See—*  
Brady, Jarlath W., and Spicacci. 2,712,966.
- Spicacci, Attilio R. 2,712,969, Cl. 308—187.1.
- Spicacci, Attilio R. 2,712,970, Cl. 308—187.2.
- Spicer, John J., Jr., to United Specialties Co. 2,714,140, Cl. 200—61.34.
- Spiegelberg, Hans: *See—*  
Rey-Bellet, Gerald, and Spiegelberg. 2,726,245.
- Spielman, Marvin A.: *See—*  
Hasbrouck, Richard B., Spielman, and Hamlin. 2,727,906.
- Spielman, Sidney: *See—*  
Meek, George W., and Spielman. 2,711,944.
- Spielmann, Willson A., and G. W. Hughes, to The Tablet & Ticket Co. 2,716,298, Cl. 40—132.
- Spies, George R., Jr., to Air Reduction Co., Inc. 2,727,567, Cl. 158—27.4.
- Spies, Newton E., Jr., and A. R. Adler, to National Dairy Research Laboratories, Inc. 2,719,494, Cl. 107—8.
- Spies, Newton E., Jr., L. C. Widdoes, and K. R. Weaver, to National Dairy Research Laboratories, Inc. 2,723,790, Cl. 226—69.
- Spieth, Benjamin, to Modine Mfg. Co. 2,699,234, Cl. 189—88.
- Spieth, Karl A., and A. P. Balzer. 2,700,265, Cl. 56—23.
- Spilman, Virginia G. 2,718,715, Cl. 36—12.
- Spilsbury, William A.: *See—*  
Goepfert, George J., and Spilsbury. 2,709,647.
- Spindler, Joseph C., to Zenith Radio Corp. 2,702,347, Cl. 250—33.59.
- Spindler, Norman J.: *See—*  
Peterson, Carl O., and Spindler. 2,721,780.
- Spindler, Norman J., H. F. Bloomstran, R. W. Larson, and R. C. Oram, to Chrysler Corp. 2,717,699, Cl. 211—10.



- Spinetta, Anthony E., to Solux Corp. 2,713,631, Cl. 240—51.11.
- Spinetta, Dominique, to Societe Mines et Industries. 2,711,251, Cl. 210—202.5.
- Spinosa, Vincent: *See*—  
Zabel, Bruno. 2,707,793.
- Spires, Krell E., Jr.: *See*—  
Leland, Robert W., and Spires. 2,714,807.
- Spir-It, Inc.: *See*—  
Lawrence, Hallett T. 2,723,111.  
Sindler, Jay J. 2,717,463.
- Spirito, Peter P.: *See*—  
Corraccio, Anthony J., and Spirito. 2,718,651.
- Spitka, Leo J.: *See*—  
Bass, Charles, and Spitka. 2,726,470.
- Spitler, Clem H., and F. C. Moon, to R. E. McNett and T. B. Holiday, trustees for Royal Electric, Inc. 2,717,982, Cl. 322—16.
- Spitzer, Charles F., and R. T. Gordon, to General Electric Co. 2,723,353, Cl. 307—88.
- Spitzer Paper Box Co., The: *See*—  
Rheinfrank, Lydia S. 2,728,449.
- Spitzmiller, Ervin R.: *See*—  
Bernstein, Jack, and Spitzmiller. 2,725,379.
- Splaine, Edward M., to American Optical Co. 2,703,036, Cl. 88—41.
- Split Ballbearing Corp.: *See*—  
Stearns, Frank H. 2,702,216.
- Splitstoser, Arthur F. 2,702,573, Cl. 146—216.
- Spitz, Karl. 2,699,992, Cl. 75—124.
- Spitzer, Albert A. K., to The Deutsch Co. 2,704,119, Cl. 158—99.
- Spluvak, Kalman. 2,723,126, Cl. 273—212.
- Spodig, Heinrich. 2,707,557, Cl. 209—223.
- Spokes, Ray E., to American Brake Shoe Co. 2,713,013, Cl. 154—90.
- Sponla, Enrique T. 2,704,095, Cl. 146—91.
- Spool, Max. 2,711,758, Cl. 138—89.
- Spooner, Laurence W., to General Electric Co. 2,702,068, Cl. 154—26.
- Spooner, Robert J. 2,718,541, Cl. 136—173.
- Spooner, William W. 2,718,710, Cl. 34—35.
- Spooner, William W. 2,724,955, Cl. 68—158.
- Sportsmans Products Co., The: *See*—  
Wissinger, Lawrence H. 2,700,100.
- Spracher, Clifford D. 2,704,314, Cl. 200—142.
- Spracklen, John G., to Zenith Radio Corp. 2,721,895, Cl. 178—69.5.
- Sprague, Charles A.: *See*—  
Nichols, Elton F. 2,727,494.
- Sprague, Clair D.: *See*—  
Basolo, Menoto D., and Sprague. 2,702,716.
- Sprague Electric Co.: *See*—  
Dorst, Stanley O. 2,707,693.  
Dorst, Stanley O. 2,707,703.  
Kodama, George T. 2,706,798.  
Nazzewski, Mathew. Re. 24,057.  
Netherwood, Paul H., and Allison. 2,721,311.  
Peck, David B. 2,714,184.  
Peck, David B. 2,717,946.  
Robinson, Preston. 2,711,498.  
Robinson, Preston. 2,725,369.  
Robinson, Preston, and Peck. 2,704,105.  
Ross, Sidney D., and Allison. 2,719,182.  
Ross, Sidney D., and Markarian. 2,702,825.  
Schenker, Bernard, and Allison. 2,721,310.
- Sprague Electric Co. of Wisconsin, Inc.: *See*—  
Ehlers, George M. 2,706,742.
- Sprague, Frank. 2,701,621, Cl. 183—7.
- Sprague, Frank N. 2,723,129, Cl. 280—44.
- Sprague, James M., and E. M. Schultz, to Merck & Co., Inc. 2,717,895, Cl. 260—247.7.
- Sprague, James M., and C. Ziegler, to Merck & Co., Inc. 2,724,715, Cl. 260—306.8.
- Sprague, Richard C.: *See*—  
Bosomworth, George P., King, and Sprague. 2,713,382.
- Sprague, Richard E., to Northrop Aircraft, Inc. 2,712,130, Cl. 340—248.
- Sprague, Robert H., to Eastman Kodak Co. 2,706,193, Cl. 260—240.4.
- Sprague, William S. 2,709,801, Cl. 340—310.
- Spraying Systems Co.: *See*—  
Wahlin, Fred W. 2,701,412.  
Wahlin, Fred W. 2,722,458.
- Spreckelmeier, Edwin H., to The American Laundry Machine Co. Re. 24,101, Cl. 270—81.
- Spreckelmeier, Edwin H., to The American Laundry Machinery Co. 2,727,380, Cl. 68—140.
- Sprecker, Alfred L., to International Business Machines Corp. 2,700,271, Cl. 58—34.
- Spred-All, Inc.: *See*—  
Seltzer, Robert E. 2,703,193.  
Seltzer, Robert E. 2,704,624.
- Spreen, Allan R.: *See*—  
Bower, Albert B., and Spreen. 2,709,551.
- Sprengnether, Roberta L.: *See*—  
Bubb, Frank W., Jr.
- Sprengnether, William F.: *See*—  
Bubb, Frank W., Jr. 2,706,800.
- Spreter, Victor, and J. Mermillod. 2,702,271, Cl. 204—44.
- Spreter, Victor, and J. Mermillod. 2,724,687, Cl. 204—43.
- Sprigg, Edward A., to Breeze Corps., Inc. 2,710,385, Cl. 339—61.
- Sprigg, Edward A., to Breeze Corporations, Inc. 2,727,221, Cl. 340—58.
- Spriggs, David L. 2,725,182, Cl. 230—194.
- Springate, Maurice S., to Aviation Developments Ltd. 2,706,039, Cl. 206—65.
- Springer, Anton, to Telefonbau und Normalzeit Gesellschaft mit beschränkter Haftung. 2,719,879, Cl. 179—15.
- Springer, Arnold P. 2,710,656, Cl. 166—146.
- Springer, Earl W. 2,713,729, Cl. 35—10.4.
- Springer, William E., to Reliance Electric and Engineering Co. 2,715,839, Cl. 74—89.
- Springer, William E., to Reliance Electric and Engineering Co. 2,720,186, Cl. 116—124.
- Springfield Boiler Co.: *See*—  
Rehm, Gustav A. 2,699,761.
- Springfield Machine Tool Co., The: *See*—  
Mumma, Roy H. 2,716,369.
- Springmeier, Edward H.,  $\frac{1}{2}$  to E. G. Tighe. 2,725,719, Cl. 60—54.6.
- Springs Cotton Mills, The: *See*—  
Harley, Fulton L., Sr. 2,713,670.
- Sprinkle, Dallas L., to The Goodyear Tire & Rubber Co. 2,706,294, Cl. 2—3.
- Sprinkle, Dallas L., to The Goodyear Tire & Rubber Co. 2,712,346, Cl. 155—14.
- Sprinkle, Lloyd D. 2,722,272, Cl. 160—128.
- Sprinkman, W. M., Corp.: *See*—  
O'Meara, James P. 2,727,634.
- Sprout, Elmer J. 2,715,781, Cl. 34—174.
- Sproule, Lorne W., and W. C. Pattenden, to Esso Research and Engineering Co. 2,706,713, Cl. 252—8.7.
- Sproule, William K., P. E. Queneau, and G. C. Nowlan, Jr., to The International Nickel Co., Inc. 2,719,082, Cl. 75—3.
- Sprouse, Clifton. 2,706,050, Cl. 213—39.
- Sprouse, Clifton. 2,718,438, Cl. 308—86.
- Sprouse, Clifton. 2,723,167, Cl. 308—86.
- Sprouse, Verner E., and H. D. Franke, to Vernco Corp. 2,700,580, Cl. 308—121.
- Sprung, Abraham, and M. P. Phillips. 2,723,410, Cl. 15—121.2.
- Sprung, Joseph A., to General Aniline & Film Corp. 2,704,709, Cl. 95—2.
- Sprung, Joseph A., to General Aniline & Film Corp. 2,704,710, Cl. 95—2.
- Sprung, Joseph A., and W. A. Schmidt, to General Aniline & Film Corp. 2,708,625, Cl. 95—2.
- Sprung, Murray M.: *See*—  
Wilcock, Donald F., and Sprung. 2,716,129.
- Sprung, Murray M., and F. O. Guenther, to General Electric Co. 2,718,511, Cl. 260—33.8.
- Sprute, Julius F.: *See*—  
Bauer, Ernest K., and Sprute. 2,705,598.
- Spurgeon, Ray. 2,728,493, Cl. 222—181.
- Spurgeon, Robert L.: *See*—  
McCullough, James N., Halle, and Walter. 2,699,493.
- Spurlin, Harold M.: *See*—  
Klug, Eugene D., and Spurlin. 2,714,591.
- Spurlin, William V., to Syntro Co. 2,718,957, Cl. 198—33.
- Spurlino, Pascal, F. B. Moser, G. L. Wheeler, and L. Struve, to The National Cash Register Co. 2,698,715, Cl. 235—62.
- Squarcio, Joseph G. 2,707,912, Cl. 100—211.
- Squarcio, Joseph G. 2,711,688, Cl. 100—234.
- Square D Co.: *See*—  
Allen, Wallace T. 2,710,387.  
Allen, Wallace T. 2,713,672.  
Anger, Ernest G. 2,703,383.  
Hulbert, Francis L. 2,703,351.  
Mekelburg, Earl F. 2,716,171.  
Moore, George K. 2,726,005.
- Square Tool & Die Co., Inc.: *See*—  
Bohmer, Charles S. 2,701,398.
- Squier Corp., The: *See*—  
Schwarz, Eugene A. 2,704,022.  
Schwarz, Eugene A. 2,704,023.  
Schwarz, Eugene A. 2,708,399.
- Squier, Donald R., to Specialties Development Corp. 2,728,407, Cl. 183—4.8.
- Squier, Frank D., to Standard Oil Co. 2,726,519, Cl. 62—175.5.
- Squire, Harris A., and L. A. Sacha, Jr., to Perfection Stove Co. 2,711,215, Cl. 158—116.
- Squire, Herbert D.: *See*—  
Miller, William J., Squire, and Felder. 2,701,541.
- Squire, Robert K. 2,705,174, Cl. 304—5.
- Squires, Alan T. B. P., and C. G. Hannah, to Rolls-Royce Ltd. 2,710,991, Cl. 18—59.2.
- Squires, David W., to Thompson Lumber Co. 2,724,521, Cl. 214—654.
- Squires, Judson G. 2,717,709, Cl. 216—1.
- Squires, Walter, Jr., to Esso Research and Engineering Co. 2,706,704, Cl. 196—52.
- Squyer, Albert R., and P. F. Dirksen, to Weaver Mfg. Co. 2,714,327, Cl. 88—14.
- Sragal, Frank. 2,722,947, Cl. 137—624.
- Sroog, Cyrus E., to E. I. du Pont de Nemours and Co. 2,728,790, Cl. 260—461.
- Staaf, Gustaf A. 2,706,622, Cl. 259—96.
- Staak, Julius H., to General Electric Co. 2,702,098, Cl. 188—69.
- Staak, Julius H., to General Electric Co. 2,708,723, Cl. 310—239.
- Staak, Julius H., to General Electric Co. 2,716,579, Cl. 308—163.



- Staar, Marcel J. H., to Usines Gustave Staar, Societe Anonyme. 2,714,513, Cl. 274—9.
- Staat, Richard A. 2,720,731, Cl. 51—123.
- Staats, Philip L.: *See*—
- Radke, Eleanor L., and Staats. 2,718,475.
- Staatsbedrijf der Posterijen, Telegrafie en Telefonie: *See*—
- De Voogt, Anthonet H. 2,719,913.
- Giskes, Johannes H., and Segaar. 2,707,101.
- Giskes, Johannes H., and Segaar. 2,727,226.
- Van Duuren, Hendrik C. A. 2,703,361.
- Van Duuren, Hendrik C. A. 2,706,215.
- Van Duuren, Hendrik C. A. 2,709,199.
- Stacey, Hugh J., to The New York Air Brake Co. 2,711,717, Cl. 121—46.5.
- Stacey, Richard T. 2,709,309, Cl. 35—31.
- Stachowski, Edwin A. 2,704,050, Cl. 119—15.6.
- Stack, Emmet G.: *See*—
- Sackett, Homer S., and Stack. 2,700,193.
- Stack, Emmet G. 2,700,192, Cl. 20—30.
- Stack, Emmet G. 2,719,194, Cl. 200—80.
- Stack, Emmet G. 2,724,151, Cl. 20—1.2.
- Stack, Margaret L. 2,723,396, Cl. 2—42.
- Stackpole Carbon Co.: *See*—
- Dressel, Henry M. 2,709,727.
- Stacy, John D., and D. L. Betters, to General Electric Co. 2,704,341, Cl. 317—256.
- Stacy, Maurice W.: *See*—
- Wishlinski, Thomas J., and Stacy. 2,705,681.
- Stacy, Robert A., to Avco Mfg. Corp. 2,702,348, Cl. 250—36.
- Stacy, Thomas F., and E. J. von der Heide, to The French Oil Mill Machinery Co. 2,714,225, Cl. 18—17.
- Stader, Hermann: *See*—
- Büchner, Karl, and Stader. 2,701,265.
- Stadick, Conrad. 2,718,733, Cl. 51—72.
- Stadium Mfg. Co., Inc.: *See*—
- Trageser, Charles F. 2,716,240.
- Staebler, Lloyd A., to Philco Corp. 2,712,437, Cl. 257—3.
- Staebler, Lloyd A., and H. Phillips, to Philco Corp. 2,710,508, Cl. 62—89.
- Staeger, Stephen A.: *See*—
- Evans, Raymond L., and Staeger. 2,703,683.
- Staeger, Stephen A., to The Black-Clawson Co. 2,709,588, Cl. 271—2.6.
- Staeger, Rudolf: *See*—
- Schlecht, Leo and H., and Staeger. 2,719,077.
- Staehler, Robert E.: *See*—
- Michal, Joseph, and Staehler. 2,722,675.
- Staerkle, Max A., and E. Meier, to Blattmann & Co. 2,698,818, Cl. 127—38.
- Staerkle, Max A., and E. Meier, to Blattmann & Co. 2,698,936, Cl. 260—233.3.
- Staerkle, Max A., E. Meier, and C. Christoffel, to Blattmann & Co. 2,698,937, Cl. 260—233.3.
- Stafford, James E.: *See*—
- Goodson, Louis H., Moffett, Stafford, and Hoehn. 2,711,428.
- Stafford, Walter R. 2,716,677, Cl. 200—61.54.
- Stageberg, Wilfred E.: *See*—
- Ackerman, Christopher E., and Stageberg. 2,714,152.
- Stagg, James H. 2,728,603, Cl. 299—18.
- Staggers, Harry G. 2,703,993, Cl. 76—101.
- Stagner, Everett L., 49% to C. H. Cooper. 2,722,974, Cl. 155—165.
- Stahl, Alfred R., to General Electric Co. 2,713,362, Cl. 140—71.
- Stahl, Alfred R., to General Electric Co. 2,713,878, Cl. 140—71.
- Stahl, Maurice D.: *See*—
- White, Harry B., Stahl, and Duff. 2,728,902.
- Stahl- und Rohrenwerk Reisholz Gesellschaft mit Beschränkter Haftung: *See*—
- Zimpel, Adolf. 2,728,373.
- Stahl, Walter A. 2,709,001, Cl. 209—3.
- Stahl, William F.: *See*—
- Collins, Fred V. 2,721,267.
- Stahl, William F., to the United States of America as represented by the Secretary of the Navy. 2,710,086, Cl. 192—53.
- Stahl, William F. 2,723,605, Cl. 93—80.
- Stahl, William L., and C. E. Voageley, Jr., to Westinghouse Electric Corp. 2,707,270, Cl. 333—81.
- Stahle, Carl R.: *See*—
- Knowland, Thomas M., and Stahle. 2,722,730.
- Stahlecker, Wilhelm, to Wilhelm Stahlecker G. m. b. H. 2,728,240, Cl. 74—230.1.
- Stahlecker, Wilhelm, G. m. b. H.: *See*—
- Stahlecker, Wilhelm. 2,728,240.
- Staib, John H.: *See*—
- Biribauer, Frank A., Staib, and Mertzweiller. 2,726,199.
- Stair, William S., to York Corp. 2,715,514, Cl. 257—3.
- Stair, William S., to York Corp. 2,715,515, Cl. 257—3.
- Stalego, Charles J., to Owens-Corning Fiberglas Corp. 2,699,631, Cl. 49—77.
- Stalego, Charles J., to Owens-Corning Fiberglas Corp. 2,706,365, Cl. 49—55.
- Staley, A. E., Mfg. Co.: *See*—
- Durkee, Maurice M. 2,701,810.
- Smith, Clifford E., and Hayes. 2,725,313.
- Thomas, McCalip J. 2,701,257.
- Thomas, McCalip J. 2,718,523.
- Staley, Duward C., to General Motors Corporation. 2,715,193, Cl. 310—217.
- Staley, John: *See*—
- Perkins, Philip, and Staley. 2,701,396.
- Staley, Thomas G. 2,713,843, Cl. 115—41.
- Stälheim, Bror G. 2,712,307, Cl. 125—16.
- Stalker, Edward A. 2,701,120, Cl. 253—39.15.
- Stalker, Edward A. 2,702,157, Cl. 230—114.
- Stalker, Edward A. 2,717,554, Cl. 103—89.
- Staller, Charles V. 2,727,359, Cl. 60—52.
- Staller, Karel J. 2,701,413, Cl. 30—16.
- Stallmann, Otto: *See*—
- Balon, Walter J., and Stallmann. 2,726,252.
- Stallmann, Otto, to E. I. du Pont de Nemours and Co. 2,706,203, Cl. 260—518.
- Stallmann, Otto, to E. I. du Pont de Nemours and Co. 2,723,265, Cl. 260—239.
- Stalter, Earl J. 2,700,475, Cl. 211—90.
- Stamatoff, Gelu S., to E. I. du Pont de Nemours and Co. 2,704,282, Cl. 260—78.
- Stamatoff, Gelu S., to E. I. du Pont de Nemours and Co. 2,705,227, Cl. 260—45.7.
- Stambaugh, Burnell C., G. E. Meckley, and J. C. Rodgers; said Meckley and said Rodgers assors. to said Stambaugh. 2,706,103, Cl. 254—19.
- Stamcarbon N. V.: *See*—
- De Jong, Geert J. 2,713,038.
- Fontein, Freerk J. 2,700,468.
- Fontein, Freerk J. 2,713,945.
- Fontein, Freerk J. 2,716,337.
- Fontein, Freerk J. 2,724,503.
- Fontein, Freerk J. 2,726,764.
- Hage, Pieter W. 2,712,752.
- Krijgsman, Centinus. 2,701,641.
- Leeman, Jan N. J. 2,699,870.
- Leeman, Jan N. J. 2,701,058.
- Revallier, Leonardus J. 2,724,580.
- Van Dijk, Arend M. 2,699,860.
- Van Dijk, Arend M. 2,699,861.
- Van Waes, Joseph P. M. 2,727,069.
- Stamm, Heinrich, to Fabrique d'Ebauches Eta S. A. 2,728,187, Cl. 58—59.
- Stamm, John J., to Westinghouse Electric Corp. 2,703,845, Cl. 290—17.
- Stamm, John J., to Westinghouse Electric Corp. 2,704,813, Cl. 290—17.
- Stamper, George M. 2,710,004, Cl. 128—214.
- Stanavice, Benedict: *See*—
- Rosenberg, Milton, and Stanavice. 2,712,126.
- Stanbery, Sam R. 2,710,041, Cl. 153—76.
- Stanborough, John: *See*—
- Ellis, John C., Jr., and Stanborough. 2,708,386.
- Stancheck, Harry J., and R. J. Barnoski. 2,720,719, Cl. 43—17.
- Standal, George M. 2,718,960, Cl. 198—105.
- Standard Brands Inc.: *See*—
- Schultz, Alfred S., and Swift. 2,717,837.
- Standard Car Truck Co.: *See*—
- Barber, Franklin D. 2,711,353.
- Barber, Franklin D. 2,714,046.
- Leese, Charles P. 2,705,925.
- Standard Coil Products Co., Inc.: *See*—
- Martin, Robert L. 2,723,804.
- McClure, Glen E. 2,709,802.
- Prew, Henry E. 2,700,730.
- Standard Coin Wrappers, Inc.: *See*—
- Francis, Joseph N. 2,728,507.
- Standard Container, Inc.: *See*—
- Fitch, John C. A. 2,725,158.
- Standard Conveyor Co.: *See*—
- Eggleston, Ira S. 2,712,377.
- Eggleston, Ira S. 2,712,378.
- Standard Gage Co., Inc.: *See*—
- Boat, Earl M. 2,702,946.
- Boat, Earl M., and Croshier. 2,707,931.
- Standard Hosiery Mills: *See*—
- Haddad, Salomão J. 2,726,525.
- Standard Hosiery Mills, Inc.: *See*—
- Comer, Marvin H. 2,717,486.
- Standard Oil Co.: *See*—
- Arkis, Jerome W., and Miller. 2,726,942.
- Arthurs, Stanley. 2,723,945.
- Bartleson, John D. 2,725,856.
- Beretvas, Helen S. 2,720,491.
- Beretvas, Helen S. 2,727,030.
- Bowman, Norman J., and Dinerstein. 2,702,289.
- Boyd, Loyd Q. 2,726,149.
- Brown, Herbert C. 2,728,752.
- Brown, Russell H. 2,727,852.
- Brown, Russell H., and Schmidt. 2,727,854.
- Bulkley, William L. 2,728,410.
- Burden, Thomas E. 2,723,704.
- Clarke, Alexander B. 2,712,495.
- Darling, Samuel M. 2,710,251.
- Darling, Samuel M. 2,710,252.
- Darling, Samuel M. 2,712,556.
- Dewey, Philip W. 2,702,897.
- Edwards, Omar L. 2,705,831.
- Evering, Bernard L., and Peters. 2,728,754.
- Evering, Bernard L., Roebuck, and Zletz. 2,727,023.
- Fainman, Morton. 2,700,228.
- Fainman, Morton. 2,726,209.
- Feller, Morris, and Field. 2,717,888.
- Feller, Morris, and Field. 2,717,889.
- Field, Edmund, and Feller. 2,726,231.
- Field, Edmund, and Feller. 2,726,234.
- Field, Edmund, and Feller. 2,727,024.
- Field, Edmund, and Feller. 2,728,757.



## Standard Oil Co.: See—Continued.

Field, Edmund, and Feller. 2,728,758.  
 Fields, Ellis K. 2,703,784.  
 Fields, Ellis K., Scanley, and Linsk. 2,719,126.  
 Frazier, David. 2,706,176.  
 Frierlander, Herbert N. 2,728,756.  
 Fuller, Norman C. 2,724,512.  
 Garrison, Charles W. 2,715,594.  
 Gordon, Moses, and Schauer. 2,725,340.  
 Gronowski, Raymond S. 2,720,099.  
 Hardman, Harley F. 2,721,146.  
 Hardman, Harley F., and Hughes. 2,699,997.  
 Hess, William A. 2,715,260.  
 Hoeksema, Herman, and Peters. 2,702,288.  
 Hoff, Jean M. 2,712,355.  
 Hughes, Everett C., and Bartleson. 2,725,857.  
 Hughes, Everett C., and Milberger. 2,711,393.  
 Jacobs, Robert B., and Greanias. 2,700,111.  
 Johnson, Carl E., and Wolff. 2,727,920.  
 Jones, Arthur L. 2,720,976.  
 Jones, Arthur L. 2,720,977.  
 Jones, Arthur L. 2,720,979.  
 Jones, Arthur L. 2,723,034.  
 Jones, Arthur L., and Fay. 2,723,033.  
 Jones, Arthur L., Gardner, and Seelbach. 2,720,978.  
 Jones, Arthur L., and Milberger. 2,712,386.  
 Jones, Arthur L., Seelbach, and Frazier. 2,720,975.  
 Kalinowski, Mathew L. 2,702,266.  
 Kalinowski, Mathew L., Crews, and MacLaren. 2,728,682.  
 Kalinowski, Mathew L., and MacLaren. 2,720,466.  
 Karll, Robert E., and Sabol. 2,726,208.  
 Klingel, Arthur R., Jr. 2,700,005.  
 Kornhauser, Saunders, and Bundy. 2,719,780.  
 Krause, Jack H. 2,717,859.  
 Krause, Jack H. 2,727,851.  
 Lien, Arthur P., and McCaulay. 2,713,552.  
 Lien, Arthur P., and McCaulay. 2,722,502.  
 Lien, Arthur P., and McCaulay. 2,726,275.  
 Linsk, Jack. 2,710,283.  
 Linsk, Jack. 2,727,022.  
 Linsk, Jack, and Scanley. 2,710,282.  
 Lupfer, George L. Re. 23,983.  
 Lupfer, George L., and Atkinson. 2,723,758.  
 Mattano, Leonard A. 2,727,075.  
 McCaulay, David A., and Lien. 2,700,689.  
 McCaulay, David A., and Lien. 2,722,560.  
 McCaulay, David A., and Lien. 2,723,218.  
 McCaulay, David A., and Lien. 2,725,413.  
 McCaulay, David A., and Lien. 2,727,011.  
 McCaulay, David A., and Lien. 2,728,803.  
 McGowen, Leonard R. 2,708,064.  
 McKinney, Claude O. 2,727,367.  
 Mosher, Robert A. 2,725,374.  
 Napper, Max D. 2,727,849.  
 Norgaard, Jens A. 2,705,627.  
 Pansing, William F., and Ries. 2,717,694.  
 Peters, Edwin F. 2,700,663.  
 Petersen, John L. 2,723,950.  
 Probst, Reimer E. 2,698,862.  
 Probst, Reimer E. 2,700,595.  
 Randall, Pryor N. 2,710,886.  
 Reinold, Eugene J., and Barry. 2,715,516.  
 Roberson, Donald C., and Scovill. 2,721,165.  
 Roberts, Edward N. 2,719,125.  
 Roberts, Edward N., Fields, and Brown. 2,703,785.  
 Russum, Leonard W., Hatch, and Weisemann. 2,728,753.  
 Russum, Leonard W., and Hengstebeck. 2,728,798.  
 Ryant, Charles J., Jr. 2,726,882.  
 Schroeder, Carl J. 2,701,047.  
 Scovill, Warner E. 2,699,420.  
 Scovill, Warner E. 2,723,759.  
 Seelig, Herman S. 2,710,854.  
 Seelig, Herman S., Johnson, and Deters. 2,726,989.  
 Seelig, Herman S., and Weck. 2,727,055.  
 Shire, William A. 2,726,932.  
 Shoemaker, Bernard H. 2,727,078.  
 Sorg, Leonard V. 2,702,237.  
 Squier, Frank D. 2,726,519.  
 Stanley, William E., Jr., and Kaufman. 2,727,850.  
 Steinbach, Arthur J. 2,726,683.  
 Sutton, Mack. 2,727,050.  
 Swakon, Edward A., and Brannen. 2,710,839.  
 Swakon, Edward A., and Brannen. 2,710,840.  
 Swakon, Edward A., and Brannen. 2,710,841.  
 Taylor, Theodore C. 2,726,883.  
 Thomas, John W. 2,720,980.  
 Thompson, Kevin N. 2,715,610.  
 Thorp, Kenneth E., and Harms. 2,728,641.  
 Veatch, Franklin, and Milberger. 2,711,394.  
 Walker, Donald C. 2,726,526.  
 Weisemann, Gert H. 2,728,755.  
 Weitkamp, Alfred W. 2,727,025.  
 Weitkamp, Alfred W., and Higley. 2,726,212.  
 Winship, John T. 2,712,885.  
 Wislinski, Thomas J., and Stacy. 2,705,681.  
 Wolff, William F., and Johnson. 2,720,547.  
 Zimmerschied, Wilford J. 2,727,010.  
 Zimmerschied, Wilford J., and Shalit. 2,726,991.

## Standard Oil Development Co.: See—

Bethea, Sam R. 2,702,827.  
 Black, James F., and Raymond. 2,702,479.  
 Black, James F., and Smith. 2,700,593.  
 Blanding, Forrest H. 2,701,230.  
 Brown, James W. 2,700,017.

## Standard Oil Development Co., The: See—Continued.

Burnside, Harvey E. W., and Brown. 2,698,672.  
 Catterall, William E. 2,700,687.  
 Clayton, Robert E., Jr., and Thomas. 2,701,221.  
 Crampton, Alton B. 2,702,592.  
 Gilbert, George R. 2,700,018.  
 Haworth, Joseph P., Jonach, Hickok, and Matuszak. 2,701,754.  
 Hemminger, Charles E., Nicholson, and Voorhies. 2,701,787.  
 Hildebrandt, Alexander B. 2,702,890.  
 Hildebrandt, Alexander B. 2,703,145.  
 Hillard, George O., Jr. 2,702,742.  
 Kirshenbaum, Isidor, Jonach, and Etherington. 2,702,826.  
 Knox, William T., Jr. 2,700,637.  
 Ledgerwood, Leroy W., Jr., and Boucher. 2,698,736.  
 Long, Robert B., and Basch. 2,701,783.  
 Lowenstein-Lom, Walter. 2,699,429.  
 Mattox, William J. 2,700,642.  
 McKay, John F., Jr. 2,698,841.  
 Moore, Thomas V. 2,701,223.  
 Mottern, Henry O. 2,700,690.  
 Nelson, Joseph F., McKay, Welch, and Koenecke. 2,701,780.  
 Odell, William W. 2,700,598.  
 Owen, John J., and Mertzweiller. 2,699,454.  
 Pappas, George F., Sykes, and Holmer. 2,702,696.  
 Paulsen, Henry C., Holtzclaw, and McNamara. 2,701,750.  
 Richardson, Roger W., Moise, and Turpin. 2,702,434.  
 Rupp, Walter H. 2,701,184.  
 Starr, Charles E., Jr. 2,701,231.  
 Seljos, Arthur L., and Badger. 2,703,008.  
 Sykes, Hollister B. 2,703,015.  
 Weikart, John. 2,700,639.  
 Standard Packaging Corp.: See—  
 Mahaffy, Reid A. 2,714,557.  
 Mahaffy, Reid A., and Young. 2,711,473.  
 Standard Paper Box Corp.: See—  
 Petter, Noel A. 2,711,852.  
 Standard Pressed Steel Co.: See—  
 Hallowell, Howard T., Jr., and Bennett. 2,711,787.  
 Hallowell, Howard T., and Bennett. 2,712,452.  
 Villo, Joseph P. 2,715,559.  
 Standard Process Corp.: See—  
 Swanson, Harold S. 2,698,832.  
 Vegell, Allan. 2,726,492.  
 Standard Railway Equipment Mfg. Co.: See—  
 Cisco, Edward S. 2,727,343.  
 Cisco, Edward S. 2,727,775.  
 Lohrman, Gustav H. 2,724,144.  
 Swann, James S. 2,724,154.  
 Swann, James S. 2,727,636.  
 West, Victor E. 2,705,549.  
 Standard Register Co., The: See—  
 Davidson, John T. 2,724,279.  
 Davidson, John T. 2,724,280.  
 Davidson, John T., and Schmidt. 2,700,334.  
 Turner, Tom G. 2,724,480.  
 Standard Steel Works: See—  
 Gredell, Otto N. 2,719,692.  
 Standard-Thomson Corp.: See—  
 Kimm, Ewald J., and Early. 2,720,212.  
 Standard-Vacuum Oil Co.: See—  
 Schofield, Raymond J. 2,727,997.  
 Stander, Nathan. 2,720,178, Cl. 112—146.  
 Standring, Joseph R. 2,707,694, Cl. 154—81.  
 Stanetzki, Lothar,  $\frac{3}{4}$  to H. Streuber. 2,726,900, Cl. 301—9.  
 Stanfield, Lysle W. 2,725,695, Cl. 51—241.  
 Stanford-Roberts Mfg. Co., The: See—  
 Ovshinsky, Stanford. 2,699,083.  
 Ovshinsky, Stanford. 2,699,084.  
 Stang, Louis G., Jr.: See—  
 Winsche, Warren E., Stang, Tucker, and Selvin. 2,710,249.  
 Stang, Ted. 2,704,479, Cl. 81—177.8.  
 Stange, Wm. J., Co.: See—  
 Ansel, Harry R. 2,713,000.  
 Wahl, Arnold S. 2,708,164.  
 Stangler, Anne. 2,706,456, Cl. 112—152.  
 Stanin, Theodore E.: See—  
 Dickey, Joseph B., Coover, and Stanin. 2,698,842.  
 Stanitz, Jacques, to Mullins Mfg. Corp. 2,721,333, Cl. 4—189.  
 Stanitz, Jacques, M. E. Ullman, Jr., and J. L. Habe, to Mullins Mfg. Corp. 2,713,345, Cl. 134—58.  
 Stanitz, Jacques, M. E. Ullman, Jr., and J. L. Habe, to Mullins Mfg. Corp. 2,715,408, Cl. 134—111.  
 Stankawitz, Edward C. 2,720,709, Cl. 33—211.  
 Stankey, James A., to Radio Corp. of America. 2,726,180, Cl. 134—22.  
 Stanko, Mary A.: See—  
 Granat, Frank P., Stanko, and Macko. 2,710,420.  
 Stanley, Alan, to National Lead Co. 2,724,637, Cl. 23—117.  
 Stanley, Alonzo F., and J. A. Bullock. 2,698,586, Cl. 103—204.  
 Stanley, Aubrey H., and L. E. Maynard. 2,720,963, Cl. 198—135.  
 Stanley Aviation Corp.: See—  
 Bleck, Max E., and Replogle. 2,726,831.  
 Replogle, Edward H. 2,702,677.  
 Replogle, Edward H., and Majewski. 2,709,557.  
 Stanley, Robert M. Re. 23,981.  
 Stanley, Robert M. 2,712,913.  
 Stanley, Eugene, J. J. Heap, and J. J. Heap, Jr., to Blue Bell, Inc. 2,700,946, Cl. 112—2.



- Stanley, Frank G. 2,720,354, Cl. 228—25.  
Stanley, Harold H., to General Electric Co. 2,726,781, Cl. 214—654.  
Stanley Home Products, Inc.: *See—*  
Johnson, Alvin O. 2,714,736.  
Le Febvre, Alfred L., Small, and Johnson. 2,714,737.  
Stanley, Lamont C., to Collins Radio Co. 2,715,998, Cl. 235—117.  
Stanley, Lester N.: *See—*  
Von Glahn, William H., and Stanley. 2,706,142.  
Stanley, Lester N., and A. C. Baggenstoss, to General Aniline & Film Corp. 2,707,181, Cl. 260—142.  
Stanley, Richard W., and W. B. Lowe, to American Viscose Corp. 2,707,668, Cl. 8—151.1.  
Stanley, Robert M., to Stanley Aviation Corp. Re. 23,981, Cl. 244—122.  
Stanley, Robert M., to Stanley Aviation Corp. 2,712,913, Cl. 244—138.  
Stanley, Thomas O.: *See—*  
Holmes, David D., and Stanley. 2,708,717.  
Stanley, William E., Jr., and J. E. Kaufman, to Standard Oil Co. 2,727,850, Cl. 196—29.  
Stanley, William L. 2,719,755, Cl. 299—118.  
Stanley Works, The: *See—*  
Carroll, John D. 2,711,335.  
Curtiss, George E., Jr., and Bobrowski. 2,710,217.  
Curtiss, George E., Jr., and Bobrowski. 2,728,596.  
Fiedorezyk, Joseph P. 2,725,250.  
Nelson, Paul H. 2,710,422.  
Parsons, John S. 2,705,354.  
Robinson, David M. 2,724,857.  
Roby, Sheldon S., and Ferry. 2,700,080.  
Stanolind Oil and Gas Co.: *See—*  
Brainerd, Harold W., Jr. 2,721,174.  
Brainerd, Harold W., Jr. 2,724,439.  
Butler, John R., Dew, and Zink. 2,724,641.  
Caruthers, Neal M. 2,702,298.  
Davis, Robert W., and Lummus. 2,705,050.  
Eisler, Joseph D., and Cooley. 2,721,696.  
Grekel, Howard, and Hujak. 2,710,831.  
Howard, George C. 2,728,395.  
Kratzer, Myron B. 2,704,293.  
McIlroy, Arthur. 2,721,874.  
Michael, Vesta F. 2,710,829.  
Mungen, Richard. 2,721,227.  
Pace, Benjamin S. 2,721,205.  
Schaefer, Henry. 2,708,975.  
Vincent, Renic P. 2,698,582.  
Vincent, Renic P. 2,704,980.  
Vincent, Renic P., and Schaefer. 2,706,406.  
Weaver, Joe C., Jr. 2,715,604.  
Stansbury, Melvin H. 2,725,898, Cl. 138—96.  
Stansbury, Roy E.: *See—*  
Goodhue, Lyle D., and Stansbury. 2,704,244.  
Stansbury, Roy E., and L. D. Goodhue, to Phillips Petroleum Co. 2,701,224, Cl. 167—22.  
Stansell, Earl E.: *See—*  
Bishop, Homer L. 2,722,261.  
Stansfield, Richard: *See—*  
Withers, John G., and Stansfield. 2,706,607.  
Stanton, Allen A. 2,717,635, Cl. 155—179.  
Stanton, Austin N. 2,727,142, Cl. 250—27.  
Stanton, George W., and T. C. Spence, to The Dow Chemical Co. 2,707,157, Cl. 117—76.  
Stanton, George W., and F. A. Ehlers, to The Dow Chemical Company. 2,715,112, Cl. 260—45.7.  
Stanton, George W., and F. A. Ehlers, to The Dow Chemical Co. 2,716,095, Cl. 260—45.7.  
Stanton, Robert, to Aris Gloves, Inc. 2,700,770, Cl. 2—159.  
Stanton, Robert E., to Celanese Corp. of America. 2,712,343, Cl. 154—42.  
Stanton, William P., Jr., and C. W. Tinkham, to Jacques' Brass Specialties Co., Inc. 2,704,628, Cl. 226—86.  
Stantus, John: *See—*  
Holm, Edwin B. 2,720,121.  
Stanworth, John E., to General Electric Co. 2,719,932, Cl. 313—112.  
Stanziale, Victor. 2,723,156, Cl. 296—98.  
Stap, Sjoerd T.: *See—*  
Van Gelder, Gozewijn, Vervest, and Stap. 2,704,589.  
Staples, Crawford E., to Westinghouse Air Brake Co. 2,710,951, Cl. 340—147.  
Staples, Elliot M., to Bell Telephone Laboratories, Inc. 2,718,589, Cl. 250—15.  
Staples, James D., to Rolatape, Inc. 2,716,819, Cl. 33—141.  
Staples, John: *See—*  
Read, Douglas M., and Staples. 2,718,028.  
Staples, Otis E., to The Cleveland Hobbing Machine Co. 2,701,495, Cl. 82—3.  
Staples, Otis E., and A. J. Bent, to The Cleveland Hobbing Machine Co. 2,700,324, Cl. 90—4.  
Stapleton, Clarence B., to Vinco Corp. 2,723,459, Cl. 33—147.  
Stapleton, Glenn D., to the United States of America as represented by the Secretary of the Navy. 2,713,482, Cl. 267—1.  
Stapleton, John M.: *See—*  
Carrick, Leo L., and Stapleton. 2,713,079.  
Stapleton, Thomas E. 2,709,066, Cl. 254—94.  
Stapleton, Thomas F.: *See—*  
Jendrzynski, Hillard J., and Stapleton. 2,721,814.  
Stapling Machines Co.: *See—*  
Odierno, Raymond J. 2,709,533.  
Rice, Richard L., Kingsley, and Woodbury. 2,726,013.  
Stapp, Olin H.: *See—*  
Kramer, David, and Stapp. 2,722,042.  
Star Sash Balance Corp.: *See—*  
Haas, Glenn B. 2,702,402.  
Star Watch Case Co.: *See—*  
Schwaibold, Edgar K. 2,702,451.  
Star-Barn Rubber Co.: *See—*  
Starr, Charles S., and Barnes. 2,704,102.  
Starck, Arthur M.: *See—*  
Gency, William E., and Starck. 2,707,312.  
Stark, Christopher P., to Phillips Petroleum Co. 2,723,221, Cl. 196—24.  
Stark, Christopher P., to Phillips Petroleum Co. 2,723,222, Cl. 196—24.  
Stark, Elmer A., to Riley Stoker Corp. 2,709,048, Cl. 241—285.  
Stark, John, Jr., to Radio Corp. of America. 2,726,354, Cl. 315—13.  
Stark, John, Jr., and G. E. Kelly, to Radio Corp. of America. 2,725,422, Cl. 178—5.4.  
Stark, Louis E., to Union Carbide and Carbon Corp. 2,712,175, Cl. 29—504.  
Stark, Norman H. 2,713,743, Cl. 43—43.12.  
Stark, Sidney, R. W. Evans, R. W. Fischer, and T. P. Norton, to The Glenn L. Martin Co. 2,723,528, Cl. 60—39.1.  
Stark, Virgil. 2,714,060, Cl. 48—211.  
Stark, William H. 2,709,520, Cl. 209—235.  
Stark, Willis B. 2,708,706, Cl. 219—26.  
Stärker, Hermann: *See—*  
Urban, Wilhelm, and Stärker. 2,701,267.  
Starkey, Donald A. J.: *See—*  
Morgan, John, and Starkey. 2,721,800.  
Starkey, Gilbert. 2,709,563, Cl. 248—226.  
Starkey, William A., to Ransburg Electro-Coating Corp. 2,711,153, Cl. 118—51.  
Starkey, William A., to Ransburg Electro-Coating Corp. 2,723,921, Cl. 117—47.  
Starline Inc.: *See—*  
Ferris, Robert G. 2,710,677.  
Ferris, Robert G. 2,725,957.  
Ferris, Robert G. 2,726,635.  
Starling, Carson G. 2,705,985, Cl. 146—78.  
Starnes, Jesse B.: *See—*  
Ahlstrand, Philip M., Starnes, and Strible. 2,725,722.  
Starnes, Ray E. 2,699,804, Cl. 144—253.  
Starr, Arthur T., and G. King, to International Standard Electric Corp. 2,705,776, Cl. 333—7.  
Starr, Charles E., Jr., to Standard Oil Development Co. 2,701,231, Cl. 196—52.  
Starr, Charles S., and O. G. Barnes, to Star-Barn Rubber Co. 2,704,102, Cl. 152—307.  
Starr, Charles W. 2,710,485, Cl. 43—131.  
Starr, Chauncey, to the United States of America as represented by the United States Atomic Energy Commission. 2,714,166, Cl. 250—41.9.  
Starr, Hilery B. 2,705,979, Cl. 143—37.  
Starr, John H., to John Deere Van Brunt Co. 2,700,330, Cl. 97—46.59.  
Starr, John H., to John Deere Van Brunt Co. 2,719,740, Cl. 287—20.3.  
Stary, Emil P., to W. E. Stary. 2,708,598, Cl. 299—69.  
Stary, Walter E.: *See—*  
Stary, Emil P. 2,708,598.  
Stasikewich, William. 2,699,103, Cl. 95—85.  
Stasinos, George A. 2,710,450, Cl. 33—1.  
Stasinos, George A. 2,710,460, Cl. 36—7.8.  
State of Wisconsin: *See—*  
Tulane, Roy G., Thomas, and Richardson. 2,727,823.  
Statham Laboratories, Inc.: *See—*  
Statham, Louis D. 2,720,113.  
Statham, Louis D., White, and Grant. 2,698,886.  
Statham, Louis D., to Statham Laboratories, Inc. 2,720,113, Cl. 73—398.  
Statham, Louis D., G. E. White, and E. W. Grant, to Statham Laboratories, Inc. 2,698,886, Cl. 200—61.45.  
Staton, Anthony N.: *See—*  
Marshall, William A., Staton, and Kleinmann. 2,726,205.  
Statsinger, Joseph, to American Bosch Arma Corp. 2,700,829, Cl. 33—226.  
Stattler, Donald A. 2,705,994, Cl. 155—156.  
Staub, Michel: *See—*  
Heudier, Charles, and Staub. 2,701,193.  
Stauber, Robert M.: *See—*  
Huebner, Floyd C., and Stauber. 2,708,465.  
Stäubli, Heinrich H., to Gebr. Stäubli & Co. 2,705,505, Cl. 139—68.  
Stäubli, Heinrich H., to Gebr. Stäubli & Co. 2,705,506, Cl. 139—71.  
Stauder, E. G., Mfg. Co., Inc.: *See—*  
Bamford, Arthur P. 2,719,763.  
Fischer, Paul E. 2,700,364.  
Fischer, Paul E. 2,723,604.  
Stauffer, Ammon W. 2,705,339, Cl. 17—11.3.  
Stauffer, Bernard H. 2,699,164, Cl. 128—57.  
Stauffer Chemical Co.: *See—*  
Bowers, James B., and Benghiat. 2,727,035.  
Douglas, Edwin J. 2,710,423.  
Douglas, Edwin J. 2,710,795.  
Jones, Robert H., Lukes, and Bashour. 2,701,253.  
Stauffer, Dale A.: *See—*  
Fancher, Otis E., and Stauffer. 2,723,293.  
Stauffer, Robert A., to National Research Corp. 2,698,810, Cl. 117—22.



- Stauffer, Robert E.: *See*—  
Damschroder, Rudolph E., and Stauffer. 2,701,199.
- Stauffer, Wayne C. 2,712,400, Cl. 222—96.
- Staunton, John J., to Coleman Instruments, Inc. 2,726,670, Cl. 137—93.
- Staunton, Le Roy, and P. H. Hume; said Hume assor. to said Staunton. 2,710,471, Cl. 40—35.
- Stauss, Karl R., and F. G. Hamilton, to International Business Machines Corp. 2,723,850, Cl. 271—65.
- Stava, Robert J.: *See*—  
Goldfield, Edwin R., and Stava. 2,707,662.
- Goldfield, Edwin R., Stava, and Bastin. 2,720,595.
- Stava, Robert J., and D. M. Barrett, to Picker X-Ray Corp., Waite Mfg. Div. Inc. 2,726,337, Cl. 250—68.
- Stavely, Frederick W., to The Firestone Tire & Rubber Co. 2,700,517, Cl. 244—138.
- Stavely, Homer E., to Commercial Solvents Corp. 2,708,174, Cl. 127—29.
- Stayner, Richard D.: *See*—  
Lewis, Allen H., and Stayner. 2,709,686.
- Lewis, Allen H., and Stayner. 2,709,687.
- Stayner, Richard D., to California Research Corp. 2,702,774, Cl. 167—42.
- Stayner, Richard D. and R. A., to California Research Corp. 2,699,991, Cl. 52—05.
- Stayner, Robert A.: *See*—  
Stayner, Richard D. and R. A. 2,699,991.
- Ste. Sebac Nouvelle, S. A.: *See*—  
Coanda, Henri. 2,720,425.
- Stea, Armand, and F. Dell'Aira. 2,725,273, Cl. 312—257.
- Stead, Edward B.: *See*—  
Fulton, Hugh W., Stead, and More. 2,723,079.
- Stead Rail Anchor Co. Ltd., The: *See*—  
Marvin, Charles H. 2,703,030.
- Stead, Richard H., to Revere Corp. 2,713,238, Cl. 51—214.
- Stegall, William F., to Remington Rand Inc. 2,709,798, Cl. 340—167.
- Stegall, William F., to Remington Rand Inc. 2,710,952, Cl. 340—167.
- Steam-Cote Corp.: *See*—  
Sullivan, Robert E. 2,701,905.
- Steanes, Geoffrey H., to L. & I. Glenn Proprietary Ltd. 2,722,772, Cl. 46—29.
- Stearley, George H., to Westinghouse Electric Corp. 2,728,044, Cl. 322—24.
- Stearman-Hamel, Inc.: *See*—  
Stearman, Lloyd C. 2,700,857.
- Stearman, Lloyd C., to Stearman-Hamel, Inc. 2,700,857, Cl. 56—11.
- Stearn, Wilmer T., and N. Thesen. 2,712,667, Cl. 15—246.
- Stearns, Frank H., to Split Ballbearing Corp. 2,702,216, Cl. 308—196.
- Stearns, Harry C. 2,715,420, Cl. 138—45.
- Stearns, Harry C. 2,717,321, Cl. 310—138.
- Stearns, Thornton, and W. J. Smith, to Arthur D. Little, Inc. 2,722,586, Cl. 201—63.
- Steatite and Porcelain Products Ltd.: *See*—  
Clark, Colin H. W. 2,715,593.
- Steatite Research Corp.: *See*—  
Albers-Schönberg, Ernst. 2,700,023.
- Albers-Schoenberg, Ernst. 2,715,109.
- Albers-Schoenberg, Ernst. 2,728,054.
- Stebbins, Frank M., to Bostitch, Inc. 2,698,938, Cl. 1—44.4.
- Stebbins, Delbert M., to The Eagle Picher Co. 2,723,142, Cl. 288—23.
- Stebbins, Frederick O., to the United States of America as represented by the Secretary of the Navy. 2,716,183, Cl. 240—41.35.
- Stebbins, Gordon K., to General Electric Co. 2,720,756, Cl. 62—3.
- Steberl, Gustav. 2,725,867, Cl. 123—198.
- Stebbleton, Leo F., to Dow Corning Corp. 2,710,843, Cl. 252—158.
- Stec, Joseph. 2,722,836, Cl. 73—390.
- Stecher, Henry D. 2,708,299, Cl. 24—125.
- Stecher, Karl. 2,718,700, Cl. 30—318.
- Stechmann, Herman H.,  $\frac{1}{2}$  to W. C. Uphoff. 2,722,970, Cl. 155—88.
- Steck, Arch L.,  $\frac{1}{2}$  to Knox Glass Bottle Co. 2,707,044, Cl. 198—33.
- Steck, Arnold: *See*—  
Thomann, Hans, and Steck. 2,707,479.
- Steck, Rudolph E.: *See*—  
Batchelor, Clyde S., and Steck. 2,711,775.
- Steck, Rudolf E., to Raybestos-Manhattan, Inc. 2,702,770, Cl. 154—81.
- Steckel, Elmer A., and B. Pasqua, to The Gates Rubber Co. 2,709,475, Cl. 154—1.
- Steckman, Pannier D. 2,721,680, Cl. 224—29.
- Steczynski, Myron E. 2,707,336, Cl. 33—199.
- Steed, Charles O. 2,701,019, Cl. 166—99.
- Steel Ceilings, Inc.: *See*—  
Kendall, Fred E., and Kusa. 2,726,175.
- Steel Co. of Canada, Ltd., The: *See*—  
MacLean, Donald A. 2,708,853.
- Steel Co. of Wales Ltd., The: *See*—  
Turpin, Geoffrey E. 2,707,098.
- Steel Door Corp.: *See*—  
Berry, Glenn. 2,704,376.
- Steel Heddle Mfg. Co.: *See*—  
Kaufmann, Frank H. 2,722,949.
- Kaufmann, John J. 2,708,455.
- Steel Products Engineering Co., The: *See*—  
Getz, Delmond L., and Hedges. 2,699,727.
- Getz, Delmond L., and Hedges. 2,703,608.
- Rausenberger, Lawrence E. 2,703,868.
- Steel Service, Inc.: *See*—  
Snider, William R. 2,727,800.
- Steel Slides, Inc.: *See*—  
Manson, Morris, and Hafekost. 2,712,972.
- Steele, Arthur B.: *See*—  
Wilkes, Benjamin G., Jr., and Steele. 2,699,452.
- Steele, Carlton A.: *See*—  
Soussloff, Dimitri G., Steele, and Tata. 2,715,308.
- Steele, Charles W. 2,721,421, Cl. 46—175.
- Steele, Clarence N.: *See*—  
Fontaine, Robert A., and F. M. and C. N. Steele. 2,710,696.
- Steele, Doty M. 2,703,892, Cl. 9—21.
- Steele, Floyd G., to Northrop Aircraft, Inc. 2,704,431, Cl. 58—24.
- Steele, Floyd G., to The National Cash Register Co. 2,706,270, Cl. 318—283.
- Steele, Floyd G., to Digital Control Systems, Inc. 2,706,811, Cl. 340—166.
- Steele, Francis M.: *See*—  
Fontaine, Robert A., and F. M. and C. N. Steele. 2,710,696.
- Steele, Hubert N.: *See*—  
Clark, Dixon W., Sachse, and Steele. 2,714,249.
- Steele, James E.: *See*—  
Brandon, Clarence W., Marlow, and Steele. 2,725,027.
- Steele, John R., to Container Corp. of America. 2,705,589, Cl. 229—34.
- Steele, Roger C., to California Reinforced Plastics Co. 2,719,807, Cl. 154—117.
- Steele, Vernon P., to Kenco Products Corp. 2,710,119, Cl. 222—340.
- Steele, William C. 2,714,281, Cl. 56—329.
- Steele, William E. 2,708,313, Cl. 30—339.
- Steelman, Inc.: *See*—  
Schultz, Matthew J. 2,708,954.
- Steelograph, Inc.: *See*—  
Fors, Oscar A. 2,716,548.
- Steen, Arthur F. 2,707,655, Cl. 299—50.
- Steen, Karl E., and B. M. Millgård. 2,718,958, Cl. 198—35.
- Steen, Willis J.: *See*—  
Magnuski, Henry, and Steen. 2,699,495.
- Steenbergh, Alexander W., to G. Dijkers & Co. N. V. 2,708,849, Cl. 74—100.
- Steenburgh, Kurt H. 2,701,418, Cl. 33—172.
- Steenholdt, Karl: *See*—  
Erdelyi, Ferenc, and Steenholdt. 2,720,801.
- Steenzen, Sverre J. 2,703,370, Cl. 310—82.
- Steenzen, Sverre J. 2,705,394, Cl. 56—400.17.
- Steere, John E. 2,708,936, Cl. 131—183.
- Stefanelli, John, and R. Martelle. 2,719,041, Cl. 273—138.
- Stefanovic, Milivoj: *See*—  
Guljas, Geza, Slavic, and Stefanovic. 2,706,527.
- Steffen, Elmer G., to Alar Products, Inc. 2,717,777, Cl. 267—1.
- Steff, Eugene P., and C. E. Best, to The Firestone Tire & Rubber Co. 2,713,580, Cl. 260—299.
- Stegeman, Raymond F. E., to Bausch & Lomb Optical Co. 2,710,091, Cl. 206—5.
- Stegeman, Raymond F. E., to Bausch & Lomb Optical Co. 2,710,331, Cl. 219—45.
- Stegeman, Raymond F. E., to Bausch & Lomb Optical Co. 2,715,258, Cl. 29—20.
- Stegeman, Raymond F. E., and F. G. Gay, Jr., to Bausch & Lomb Optical Co. 2,715,223, Cl. 2—14.
- Stegeman, Wilson. 2,707,066, Cl. 221—255.
- Steger Products Mfg. Corp.: *See*—  
Larsen, Harvey E. 2,699,990.
- Stegmaier, Herman: *See*—  
Capellazzi, Gildo, and Stegmaier. 2,713,765.
- Stegman, Arthur. 2,700,360, Cl. 116—76.
- Stegmueller, Johann, to Telefunken Gesellschaft für drahtlose Telegraphie m. b. H. 2,718,590, Cl. 250—20.
- Stegner, Albert L. 2,728,258, Cl. 84—464.
- Stehlik, Rudolph F., to Automatic Electric Laboratories, Inc. 2,700,145, Cl. 340—46.
- Stehlik, Rudolph F., to Automatic Electric Laboratories, Inc. 2,713,614, Cl. 179—18.
- Stehlik, Rudolph F., to Automatic Electric Laboratories, Inc. 2,721,901, Cl. 179—18.
- Stehman, Carlyle J., to Monsanto Chemical Co. 2,726,258, Cl. 260—465.9.
- Stehr, Joseph E. 2,704,408, Cl. 38—104.
- Steichen, Adolphe F. 2,713,476, Cl. 261—21.
- Steidl, Martin T. 2,701,612, Cl. 160—211.
- Steiert, Alois F. 2,710,981, Cl. 15—131.
- Steiger, Carl E., and C. C. Dorschner, to Deltax Rug Co. 2,705,862, Cl. 57—142.
- Steigerwalt, Oliver I., to Erie Resistor Corp. 2,716,268, Cl. 29—155.5.
- Steimen, Lawrence E., to United Shoe Machinery Corp. 2,716,011, Cl. 248—24.
- Steimen, Lawrence E., to United Shoe Machinery Corp. 2,727,259, Cl. 12—16.
- Stein, A., & Co.: *See*—  
Chubby, Marion M. 2,705,801.
- Stein, Edward H., to Pittsburgh Plate Glass Co. 2,699,668, Cl. 72—05.
- Stein, Ernst. 2,720,077, Cl. 58—140.



- Stein, Frank R.: *See*—  
 Stein, Harry C. 2,716,295.  
 Stein, Harry C. 2,716,296.
- Stein, Frederick W. 2,699,560, Cl. 9—6.  
 Stein, Frederick W. 2,700,780, Cl. 9—6.
- Stein, Harry C.,  $\frac{1}{2}$  to L. J. Stein,  $\frac{1}{2}$  to S. M. Stein,  $\frac{1}{2}$  to M. Stein, and  $\frac{1}{2}$  to F. R. Stein. 2,716,295, Cl. 36—71.  
 Stein, Harry C.,  $\frac{1}{2}$  to L. J. Stein,  $\frac{1}{2}$  to S. M. Stein,  $\frac{1}{2}$  to M. Stein, and  $\frac{1}{2}$  to F. R. Stein. 2,716,296, Cl. 36—76.
- Stein, Jack L. and P. A., to American Drill Bushing Co. 2,728,249, Cl. 77—62.
- Stein, James H., to the United States of America as represented by the Secretary of the Navy. 2,714,657, Cl. 250—20.
- Stein, Joseph. 2,698,894, Cl. 219—39.
- Stein, Joseph P. 2,709,276, Cl. 16—164.
- Stein, Leonard J.: *See*—  
 Stein, Harry C. 2,716,295.  
 Stein, Harry C. 2,716,296.
- Stein, Leonhard: *See*—  
 Ehrhart, Gustav, Ruschig, Stein, and Aumüller. 2,700,039.  
 Ehrhart, Gustav, Ruschig, Stein, Aumüller, Oepfinger, and Schörnig. 2,699,439.
- Stein, Melvin: *See*—  
 Stein, Harry C. 2,716,295.  
 Stein, Harry C. 2,716,296.
- Stein, Philip A.: *See*—  
 Stein, Jack L. and P. A. 2,728,249.
- Stein, Samuel. 2,722,848, Cl. 74—573.
- Stein, Solomon. 2,707,785, Cl. 2—116.
- Stein, Stanley M.: *See*—  
 Stein, Harry C. 2,716,295.  
 Stein, Harry C. 2,716,296.
- Stein, Vincent A., to Carter Carburetor Corp. 2,720,782, Cl. 73—118.
- Steinacker, Peter. 2,715,994, Cl. 233—15.
- Steinbach, Arthur J., to Standard Oil Co. 2,726,683, Cl. 138—94.3.
- Steinbauer, Franz,  $\frac{1}{2}$  to A. Bueler. 2,722,288, Cl. 188—88.
- Steinberg, Morris A., M. E. Sibert, and A. A. Topinka, to Horizons Titanium Corp. 2,707,169, Cl. 204—64.
- Steinberg, Robert. 2,708,271, Cl. 2—29.
- Steinbock, Max, to The Peerless Corp. 2,705,450, Cl. 99—238.1.
- Steinborn, Bernhard A. L., to F. K. H. Stubbe. 2,701,050, Cl. 198—182.
- Steinbruegge, George W., X. McNeal, and W. F. Buchele. 2,718,782, Cl. 73—136.
- Steindorf, Jack W., and M. D. Conklin: said Conklin assor. to said Steindorf. 2,707,299, Cl. 15—236.
- Steinegger, Giovanni. 2,711,445, Cl. 179—100.2.
- Steiner, Alois. 2,699,549, Cl. 1—187.
- Steiner, Arnold B., to Kelco Co. 2,699,135, Cl. 114—5.
- Steiner, Edwin, to A. F. Woodell. 2,722,851, Cl. 74—802.
- Steiner, Ernst, and K. Noss, and K. Dauner, to Siemens & Halske, Aktiengesellschaft. 2,728,036, Cl. 317—260.
- Steiner, Heinrich, to Muller-Brusch & Co. 2,724,851, Cl. 15—147.
- Steiner, Klaus: *See*—  
 Kull, Walter, and Steiner. 2,717,703.
- Steiner, Leonard E. 2,722,597, Cl. 219—46.
- Steiner, Louis. 2,712,824, Cl. 131—75.
- Steiner, Oscar, to Graflex, Inc. 2,702,673, Cl. 242—71.
- Steiner, Oscar, to Graflex, Inc. 2,716,374, Cl. 95—34.
- Steiner, Oscar, to Graflex, Inc. 2,719,468, Cl. 95—11.
- Steiner, Oscar, and R. L. Dalton, to Graflex, Inc. 2,713,815, Cl. 95—44.
- Steiner, Robert H.: *See*—  
 Seymour, Raymond B., and Steiner. 2,703,299.  
 Seymour, Raymond B., and Steiner. 2,718,829.
- Steiner, Rudolf. 2,717,941, Cl. 200—168.
- Steinhardt, David W., to The National Cash Register Co. 2,702,765, Cl. 117—155.
- Steinhardt, Irving H. 2,712,447, Cl. 273—160.
- Steinharter, Joseph J. 2,707,733, Cl. 200—51.16.
- Steinherz, Hans A.: *See*—  
 Binstock, Martin H., and Steinherz. 2,717,223.
- Steinitz, Stephan, to Vickers Inc. 2,699,526, Cl. 323—112.
- Steinitz, Stephan, to Vickers Inc. 2,721,305, Cl. 322—24.
- Steinitz, Stephan, to Vickers Inc. 2,723,273, Cl. 323—89.
- Steinke, Carl J., to Zenith Radio Corp. 2,708,088, Cl. 248—223.
- Steinkohlen Elektrizität Aktiengesellschaft: *See*—  
 Gunzelmann, Rudolf, Erythropel, and Krüger. 2,724,656.
- Steinmayer, Alwin G., to McGraw Electric Co. 2,712,865, Cl. 189—92.
- Steinmetz, Lawrence. 2,718,004, Cl. 1—3.
- Steinmetz, Lawrence. 2,718,005, Cl. 1—4.
- Steinmetz, Robert F.: *See*—  
 Foucry, Jean X., and Steinmetz. 2,707,159.
- Steinmeyer, Gustave H.: *See*—  
 Russell, Charles L., and Steinmeyer. 2,706,034.
- Steinmeyer, Ralph H., and W. M. Williams, to Thompson Products, Inc. 2,712,688, Cl. 29—156.8.
- Steinthal, Augustus J. 2,713,139, Cl. 318—470.
- Steinthal, Martin B. 2,717,075, Cl. 206—82.
- Steinwedell, William E.: *See*—  
 Stookey, Kenneth W., Steinwedell, and Kyle. 2,714,058.
- Steitz, William R., to Owens-Corning Fiberglas Corp. 2,715,299, Cl. 49—17.
- Stelle, Allen M., P. K. Beemer, and H. O. Fuchs, to Preco Inc. 2,717,590, Cl. 126—96.
- Stellin, Dominic V., to American Screw Co. 2,699,693, Cl. 76—107.
- Stelma, Inc.: *See*—  
 Carver, Lawrence M. 2,712,038.
- Stelmack, Stanley. 2,723,010, Cl. 192—4.
- Stelter, Walter W. P. 2,705,012, Cl. 130—33.
- Stelter, Walter W. P. 2,705,960, Cl. 130—5.
- Stelzer, Earl E.: *See*—  
 Parker, Edwin D., and Stelzer. 2,700,783.  
 Parker, Edwin D., and Stelzer. 2,723,494.
- Stelzer, Earl E., to Parker Sweeper Co. 2,705,644, Cl. 280—36.
- Stelzer, Otto E. 2,710,995, Cl. 20—57.5.
- Stelzer, William. 2,698,584, Cl. 103—111.
- Stelzer, William. 2,698,747, Cl. 265—63.
- Stelzer, William. 2,705,402, Cl. 60—54.5.
- Stelzer, William, to Stoffel Seals Corp. 2,712,958, Cl. 292—325.
- Stelzer, William. 2,716,546, Cl. 265—68.
- Stem, Donald E. 2,699,871, Cl. 209—223.
- Stempel, Laszlo M., to L. M. Stempel and A. C. Nolte, as joint trustees. 2,703,525, Cl. 101—148.
- Stempel, Laszlo M., to said Stempel and A. C. Nolte. 2,714,852, Cl. 101—415.1.
- Stene, Manfred, to H. K. Porter Co., Inc. of Pittsburgh. 2,712,577, Cl. 200—89.
- Stengel, Erwin. 2,702,124, Cl. 210—51.
- Stenger, Richard C., to Sutherland Paper Co. 2,711,677, Cl. 93—49.
- Stenger, Vernon A.: *See*—  
 Crummett, Warren B., and Stenger. 2,709,710.
- Stengl, Rudolph J.: *See*—  
 Young, Walter L., Douglas, Stengl, and Bedwell. 2,723,659.
- Stenner, Gustav H., to Sterling Radiator Co., Inc. 2,709,564, Cl. 248—232.
- Stensholms Fabriks Aktiebolag: *See*—  
 Petersén, Curt W. 2,700,715.
- Stenzel R., Foods, Inc.: *See*—  
 Koehler, Wayne. 2,713,431.
- Stenzel, Richard W., H. Plaut, and G. G. Buchanan. 2,716,618, Cl. 117—65.
- Stepanian, John. 2,703,582, Cl. 137—38.
- Stepath, Myron D., to Arcair Co. 2,726,309, Cl. 219—15.
- Stepath, Myron D., N. J. Krumm, and C. A. Ross, to Arcair Co. 2,706,236, Cl. 219—15.
- Stephan, Charles R. W.: *See*—  
 Moller, Fritz. 2,711,785.
- Stephan, Hallis N., to The New Britain Machine Co. 2,713,811, Cl. 90—11.
- Stephan, Hallis N., to The New Britain Machine Co. 2,718,819, Cl. 90—13.5.
- Stephan, Louis F., to United States Steel Corp. 2,703,685, Cl. 242—72.
- Stephano Brothers: *See*—  
 Brightwell, Robert R. 2,720,738.
- Stephens-Adamson Mfg. Co.: *See*—  
 Kendall, Myron A., and Sinden. 2,701,049.
- Stephens, Alexander: *See*—  
 Allan, John, Stephens, and Browne. 2,703,434.
- Stephens, Edward A. 2,711,274, Cl. 224—42.24.
- Stephens, John L. 2,718,774, Cl. 68—133.
- Stephens, John L. 2,718,775, Cl. 68—134.
- Stephens, Joseph F., to Gustin-Bacon Mfg. Co. 2,724,866, Cl. 18—47.3.
- Stephens, O. D.: *See*—  
 Mazzagatti, Roy P., Stephens, and Conners. 2,701,175.
- Stephens, Robert L. 2,710,345, Cl. 250—17.
- Stephens, Theron W. 2,716,922, Cl. 88—28.
- Stephenson, Edward A. 2,710,536, Cl. 70—364.
- Stephenson, Fannie: *See*—  
 Stephenson, Isaac L. 2,713,326.
- Stephenson, Hugh M., and K. M. Feiertag, to General Electric Co. 2,724,243, Cl. 62—108.5.
- Stephenson, Isaac L., deceased; B. Duke, administrator, to F. Stephenson; B. Duke, guardian of estate of said F. Stephenson. 2,713,326, Cl. 119—99.
- Stephenson, John M., to Power Jets (Research and Development) Ltd. 2,709,036, Cl. 230—209.
- Stephenson, Matthias: *See*—  
 French, George F., Stephenson, and McGlynn. 2,703,113.
- Stephenson, Richard J.: *See*—  
 Regan, Colston J., Stephenson, and Clements. 2,703,782.
- Stephenson, Robert A., to Power Jets (Research and Development) Ltd. 2,722,866, Cl. 90—13.2.
- Stephenson, Verne L. 2,720,654, Cl. 2—69.
- Steptoe, William R. L. 2,724,476, Cl. 193—5.
- Sterczek, Walter L. 2,712,160, Cl. 18—55.05.
- Ster-E-O, Inc.: *See*—  
 McLeod, Ken, and Perry. 2,699,091.
- Sterling, Clifford R.: *See*—  
 Nye, Ronald O., and Sterling. 2,716,201.
- Sterling Drug Inc.: *See*—  
 Archer, Sydney. 2,704,287.  
 Archer, Sydney. 2,705,726.  
 Cavallito, Chester J. 2,701,247.  
 Cavallito, Chester J. 2,721,220.  
 Clinton, Raymond O., and Laskowski. 2,727,039.  
 Clinton, Raymond O., and Laskowski. 2,727,040.  
 Crounse, Nathan N. 2,714,119.  
 Dennis, Emery W., and Surrey. 2,714,106.  
 Lucey, Cornelius A. 2,726,885.  
 Mooradian, Aram. 2,721,213.
- Sterling Grinding Wheel Co.: *See*—  
 Ballash, Joseph L. 2,720,733.



- Sterling Hardware Mfg. Co.: *See*—  
Sterling, John G., and Ohman. 2,717,512.  
Sterling, John G., and T. Ohman, to Sterling Hardware Mfg. Co. 2,717,512, Cl. 70—100.  
Sterling, John L.: *See*—  
Ferry, John T., Sterling, and Mobius. 2,704,024.  
Sterling Radiator Co., Inc.: *See*—  
Stener, Gustav H. 2,709,564.  
Sterling, Robert W.: *See*—  
Randall, Arthur E. 2,708,905.  
Sterling Steel Casting Co.: *See*—  
Rhine, Franklin E. 2,711,936.  
Sterling, Walter S., to Pneumatic Scale Corp., Ltd. 2,715,978, Cl. 221—160.  
Stern, Alfred: *See*—  
Harwin, Dixon R., Stern, and Bodle. 2,703,909.  
Stern, Allison M.: *See*—  
Marks, Lewis, and Stern. 2,716,612.  
Stern, Bernard: *See*—  
Lurie, Daniel, and Stern. 2,711,338.  
Stern, Edward & Co., Inc.: *See*—  
Tobias, Philip E. 2,710,889.  
Stern, Edward S.: *See*—  
Hall, Reginald H., and Stern. 2,700,059.  
Stern, Harald G. E.: *See*—  
Fogelberg, Tord I. S., and Stern. 2,725,016.  
Stern, Joseph S., Jr., and N. Stix. 2,710,366, Cl. 317—2.  
Stern, Julius. 2,707,161, Cl. 154—83.  
Stern, Kurt G., and M. S. Kamm. 2,714,927, Cl. 161—15.  
Stern, Robert G., and T. C. Wakefield, to Curtiss-Wright Corp. 2,724,192, Cl. 35—12.  
Stern, Walter, to The Cromwell Paper Co. 2,704,183, Cl. 229—53.  
Stern, Werner: *See*—  
Grodzinski, Paul, Beard, and Stern. 2,713,259.  
Stern, William, to Illinois Tool Works. 2,714,214, Cl. 10—155.  
Stern, William, to Illinois Tool Works. 2,716,762, Cl. 10—155.  
Sternaman, Chester J. 2,699,491, Cl. 240—3.  
Sternberg, Theodore A., to Radio Corp. of America. 2,725,617, Cl. 29—195.  
Sterne, Bernhard E., to Chrysler Corp. 2,702,188, Cl. 267—49.  
Sterne, Bernhard E., to Chrysler Corp. 2,703,710, Cl. 267—49.  
Sternkopf, Kurt: *See*—  
Maybach, Karl, von Kienlin, and Sternkopf. 2,717,583.  
Sterzer, Walter G.: *See*—  
Werner, Frank R., and Sterzer. 2,722,887.  
Werner, Frank R., Sterzer, and Zurbuchen. 2,710,576.  
Stettner, Anton. 2,705,848, Cl. 43—42.4.  
Stettner, Hugo W. 2,710,758, Cl. 280—32.6.  
Stetz, Robert J.: *See*—  
North, Harold D., Jr., and Stetz. 2,726,027.  
Steuck, Willi E., to Hartford National Bank and Trust Co., trustee. 2,721,156, Cl. 148—13.1.  
Steuerman, Sergey. 2,718,761, Cl. 61—36.  
Steuerman, Sergey. 2,719,029, Cl. 259—1.  
Steuerwald, Wilfred L. 2,706,880, Cl. 55—73.  
Steukers, Gilles. 2,703,029, Cl. 81—52.35.  
Stevens, Blaine K.: *See*—  
Kitson, Gerald L., and Stevens. 2,712,379.  
Stevens, Charles H., Jr., to Whitney Blake Co. 2,708,714, Cl. 240—54.  
Stevens, Charles J. H., to Johnson and Phillips Ltd. 2,716,672, Cl. 174—77.  
Stevens, Clarence C., to Western Electric Co., Inc. 2,727,698, Cl. 242—4.  
Stevens, Clarence E. 2,704,003, Cl. 81—112.  
Stevens, Clarence E. 2,718,720, Cl. 39—45.  
Stevens, Dillon: *See*—  
Rice, Henry T. M., and Stevens. 2,718,879.  
Rice, Henry T. M., and Stevens. 2,720,803.  
Stevens, Donald R., and S. C. Camp, to Gulf Research & Development Co. 2,714,087, Cl. 202—57.  
Stevens, Donald R., and E. L. Fareri, to Gulf Research & Development Co. 2,699,385, Cl. 52—5.  
Stevens, Edmund G. 2,712,944, Cl. 275—3.  
Stevens, Elbert M. 2,699,729, Cl. 103—46.  
Stevens, Frank D., to Carrier Corp. 2,704,971, Cl. 98—40.  
Stevens, Fred K., and G. L. Davis, to Piedmont Hosiery Mills, Inc. 2,728,210, Cl. 66—135.  
Stevens, George C.: *See*—  
Meredew, George C., and Stevens. 2,715,483.  
Meredew, George C., and Stevens. 2,721,677.  
Stevens, Gilbert, to Minnesota and Ontario Paper Co. 2,717,213, Cl. 106—214.  
Stevens, Henry C., to Columbia-Southern Chemical Corp. 2,721,883, Cl. 260—652.5.  
Stevens, Herbert D.: *See*—  
Keeney, Vaderon E., and Stevens. 2,708,467.  
Stevens, Joseph H., to Cutler-Hammer, Inc. 2,700,087, Cl. 200—166.  
Stevens Mfg. Co., Inc.: *See*—  
Bletz, Edward. 2,717,289.  
Bletz, Edward. 2,720,568.  
Mertler, Charles S. 2,703,358.  
Mertler, Charles S. 2,708,398.  
Mertler, Charles S. 2,715,167.  
Mertler, Charles S. 2,715,168.  
Stevens, Milton J.,  $\frac{1}{2}$  to M. R. Kent and  $\frac{1}{2}$  to H. F. Sammons. 2,699,622, Cl. 43—23.  
Stevens, Ralph E. 2,705,207, Cl. 134—26.  
Stevens, Richard F.: *See*—  
Stringfield, Theodore W., Spaulding, Stevens, and Behrens. 2,725,526.  
Stevens, Robert T.: *See*—  
Rice, Henry T. M., and Stevens. 2,718,879.  
Rice, Henry T. M., and Stevens. 2,720,803.  
Stevens, Roy R., to Westinghouse Air Brake Co. 2,703,988, Cl. 74—471.  
Stevens & Thompson Paper Co.: *See*—  
Metcalfe, Walter W. 2,724,541.  
Stevenson, Albert E., and H. D. Eichler; said Stevenson assor. to said Eichler. 2,723,746, Cl. 206—41.4.  
Stevenson, Benjamin D. 2,724,473, Cl. 192—62.  
Stevenson, Bud T.: *See*—  
Alverson, John E., and Stevenson. 2,707,094.  
Stevenson, Clarence H., III. 2,701,650, Cl. 214—6.  
Stevenson, Donald H., to Houdry Process Corp. 2,713,949, Cl. 214—17.  
Stevenson (Dyers) Ltd.: *See*—  
Fell, Eric T. 2,701,178.  
Stevenson, Frank, to Howard Hosiery Mills, Inc. 2,720,767, Cl. 66—178.  
Stevenson, Peter C., A. A. Franke, R. J. Borg, and W. E. Nervik, to the United States of America as represented by the United States Atomic Energy Commission. 2,714,555, Cl. 75—121.  
Stevenson, Ross D.: *See*—  
Greblick, Julius L., and Stevenson. 2,718,385.  
Stevenson, Swinfen H.: *See*—  
Horstmann, Bevan G., and Stevenson. 2,724,900.  
Stevenson, Wade: *See*—  
Clark, Frederick G. 2,714,829.  
Clark, Frederick G. 2,718,806.  
Stevenson, Wilbur W. 2,723,563, Cl. 73—231.  
Steward, Colby W.: *See*—  
Smith, Thomas R., and Steward. 2,722,750.  
Steward, Colby W., to The Maytag Co. 2,722,751, Cl. 34—82.  
Steward, Esther C. 2,711,543, Cl. 4—112.  
Steward, Jerry H.: *See*—  
Strain, William E., and Steward. 2,707,322.  
Steward, Ray D., and F. A. Lee, to International Harvester Co. 2,723,710, Cl. 155—14.  
Steward, Sidney C.: *See*—  
Curtis, Lloyd R., Steward, and Woods. 2,723,368.  
Stewart, Basil O., to National Gypsum Co. 2,724,307, Cl. 92—39.  
Stewart, Clyde, to Collins Radio Co. 2,724,115, Cl. 343—117.  
Stewart, Daniel, to Scottish Oils Ltd. 2,708,185, Cl. 252—161.  
Stewart, Donald, to Dalmo Victor Co. 2,704,394, Cl. 29—157.  
Stewart, Donald R., and E. D. Kane. 2,700,134, Cl. 324—103.  
Stewart, Enos A. 2,728,148, Cl. 34—213.  
Stewart, Felix I. 2,706,416, Cl. 74—224.  
Stewart, Floyd D.: *See*—  
Mathes, Roger A., and Stewart. 2,704,752.  
Stewart, Fred Z.: *See*—  
Miller, Walter J. 2,725,988.  
Stewart, Gilbert D., to Ex-Cell-O Corp. 2,720,806, Cl. 82—20.  
Stewart, Harold R.: *See*—  
Brenge, Alfred S., and Stewart. 2,709,173.  
Stewart, Iain M., and J. P. Wesson,  $\frac{1}{2}$  to Robert Boby Ltd. 2,701,422, Cl. 34—109.  
Stewart, Joseph: *See*—  
Morrell, Charles E., Stewart, and Carlson. 2,706,707.  
Stewart, Joseph, A. J. Ward, Jr., and C. E. Porter, to Esso Research and Engineering Co. 2,723,219, Cl. 196—14.42.  
Stewart, Perry V., to Westinghouse Electric Corp. 2,719,251, Cl. 317—120.  
Stewart, Richard C., and S. J. Weiss. 2,713,791, Cl. 73—101.  
Stewart, Robert, and A. Ploger, to Continental-Diamond Fibre Co. 2,710,026, Cl. 138—78.  
Stewart, Robert W., to The Singer Mfg. Co. 2,716,955, Cl. 112—210.  
Stewart, Roy O.: *See*—  
Lapham, Francis E., and Stewart. 2,721,760.  
Stewart, S. Grant, to Phillips Petroleum Co. 2,719,130, Cl. 252—373.  
Stewart, Sidney,  $\frac{1}{2}$  to Peterson Construction Company. 2,714,773, Cl. 37—86.  
Stewart, Thelma G. 2,705,568, Cl. 211—123.  
Stewart-Warner Corp.: *See*—  
Allen, Arthur C. 2,719,604.  
Allen, George W. 2,716,015.  
Benstein, Arthur R. 2,699,339.  
Bickler, Irving B. 2,715,518.  
Collins, Arthur R., Ryder, and Randall. 2,699,292.  
Collins, Arthur R., Ryder, and Randall. 2,707,217.  
Dinkelkamp, Henry T. 2,716,014.  
Fairbanks, Gordon J. 2,699,818.  
Hillery, Robert D., and D'Luzansky. 2,725,930.  
Juettner, Thomas R. 2,699,842.  
Petroff, Merlin O., and Allen. 2,702,883.  
Pfeiffer, George S. 2,712,232.  
Ryder, Frank A. 2,711,683.  
Schweisthal, Frederick G. 2,699,120.  
Schweisthal, Frederick G. 2,707,456.  
Stewart, William A. 2,707,828, Cl. 30—232.  
Stibbe, G., & Co. Ltd.: *See*—  
Stibbe, Godfrey D., and Brown. 2,723,545.  
Stibbe, Godfrey D., and A. M. Brown, to G. Stibbe & Co. Ltd. 2,723,545, Cl. 66—137.  
Stibitz, George R. 2,701,095, Cl. 235—61.



- Stibitz, George R. 2,710,142, Cl. 235—71.  
 Stibitz, George R. 2,717,460, Cl. 35—48.  
 Stickelber, Merlin A., to Stickelber & Sons, Inc. 2,699,736, Cl. 107—12.  
 Stickelber, Merlin A., to Stickelber & Sons, Inc. 2,699,737, Cl. 107—12.  
 Sticha, Ernest A., to Crane Co. 2,718,482, Cl. 148—21.5.  
 Stichting Instituut Voor Grafische Techniek T. N. O.: See—  
 Monroy, Johan F. 2,719,790.  
 Monroy, Johan F., and Lenaarts. 2,701,420.  
 Stickel, Carl A., to General Motors Corp. 2,700,279, Cl. 62—4.  
 Stickel, Carl A., to General Motors Corp. 2,716,865, Cl. 62—4.  
 Stickelber, Merlin A., to Stickelber & Sons, Inc. 2,710,641, Cl. 154—42.  
 Stickelber, Merlin A., to Stickelber & Sons, Inc. 2,725,828, Cl. 107—9.  
 Stickelber & Sons, Inc.: See—  
 Stickelber, Merlin A. 2,699,736.  
 Stickelber, Merlin A. 2,699,737.  
 Stickelber, Merlin A. 2,710,641.  
 Stickelber, Merlin A. 2,725,828.  
 Stickney, George H., to Ford Motor Co. 2,722,804, Cl. 60—52.  
 Stickney, Michael E.: See—  
 George, Kenyon P., and Stickney. 2,705,440.  
 Stidd, Charles L., to Rail Flange Lubricator Co. 2,704,137, Cl. 184—3.  
 Stiegler, Elwood A.: See—  
 Wikle, George F., Moore, and Stiegler. 2,717,628.  
 Stieglitz, Henry M., to Frank Adam Electric Co. 2,706,127, Cl. 292—256.73.  
 Stieglitz, Henry M., to Frank Adam Electric Co. 2,720,632, Cl. 339—22.  
 Stielow, John H.: See—  
 Lis, Gerhard. 2,714,350.  
 Stierlen, Charles F. 2,709,264, Cl. 4—57.  
 Stieve, Paul H., to Consolidated Paper Co. 2,704,617, Cl. 220—105.  
 Stigall, Harry C. 2,713,840, Cl. 114—185.  
 Stigler, Joseph T., to The Pfandler Co. 2,725,169, Cl. 226—97.  
 Stiglmeier, Donald M., H. Muczenski, and J. H. Penney, to Westinghouse Electric Corp. 2,726,343, Cl. 310—88.  
 Stikeleather, Robert M., to Aerofin Corp. 2,713,375, Cl. 153—32.  
 Stiles, Alan R., and D. Harman, to Shell Development Co. 2,711,403, Cl. 260—78.5.  
 Stiles, Alan R., D. Harman, and F. F. Rust, to Shell Development Co. 2,724,718, Cl. 260—461.  
 Stiles, Alvin B., to E. I. du Pont de Nemours and Co. 2,726,931, Cl. 23—151.  
 Stiles, Richard C., to Automatic Electric Laboratories, Inc. 2,703,338, Cl. 178—2.  
 Stiles, Samuel R.: See—  
 Skelly, Joseph F., and Stiles. 2,716,592.  
 Still, John E.: See—  
 Dauncey, Leonard A., and Still. 2,721,209.  
 Still, John E., to The General Electric Co. Ltd. 2,716,371, Cl. 88—14.  
 Stillier, Eric T., and A. E. O'Keeffe, to Olin Mathieson Chemical Corp. 2,720,483, Cl. 167—74.5.  
 Stillman, Eloise B.: See—  
 Stillman, Thomas B. 2,702,590.  
 Stillman, Jerome: See—  
 Miller, Horace G., and Stillman. 2,699,504.  
 Stillman, Nathan: See—  
 Wachter, Aaron, and Stillman. 2,717,843.  
 Stillman, Thomas B., deceased; by E. B. Stillman, executrix, to The Babcock & Wilcox Co. 2,702,590, Cl. 158—36.3.  
 Stilwell, Robert E., to Food Machinery and Chemical Corp. 2,704,679, Cl. 285—170.  
 Stimler, Morton. 2,722,056, Cl. 33—206.  
 Stimpson, Edwin G., to National Dairy Research Laboratories, Inc. 2,708,632, Cl. 99—54.  
 Stimpson, Edwin G., and L. K. Riggs, to National Dairy Research Laboratories, Inc. 2,708,633, Cl. 99—54.  
 Stimpson, Robert H., to H. J. Heinz Co. 2,711,850, Cl. 226—95.  
 Stimpson, Robert H., and J. B. Anderson, to H. J. Heinz Co. 2,716,609, Cl. 99—214.  
 Stimson, Allen G., C. F. Taylor, and H. A. Bakke, to General Electric Co. 2,728,265, Cl. 88—22.5.  
 Stimson, Jonathan C., deceased; V. H. Stimson, executrix, to Elastic Stop Nut Corp. of America. 2,703,773, Cl. 154—116.  
 Stimson, Viola H.: See—  
 Stimson, Jonathan C. 2,703,773.  
 Stinchfield, John C.: See—  
 Marra, William H., and Stinchfield. 2,699,432.  
 Stinchfield, John M. 2,715,666, Cl. 201—63.  
 Stineman, Russell W., to Boeing Airplane Co. 2,724,781, Cl. 307—112.  
 Stinger, Henry J., to General Mills, Inc. 2,705,303, Cl. 324—70.  
 Stinger, Henry J., R. I. Hakomaki, and W. F. Huch, to General Mills, Inc. 2,703,769, Cl. 154—85.  
 Stinson, Leonard E. 2,700,712, Cl. 200—115.5.  
 Stinson, William J., to Graflex, Inc. 2,700,223, Cl. 33—129.  
 Stinson, William J., to Graflex, Inc. 2,712,117, Cl. 339—45.  
 Stirn, Frank E.: See—  
 Yen, Ernest C., and Stirn. 2,727,833.  
 Stirn, Frank E., and A. S. Taylor, to American Cyanamid Co. 2,720,109, Cl. 73—32.  
 Stirn, Frank E., and A. S. Taylor, to American Cyanamid Co. 2,720,341, Cl. 222—195.  
 Stirn, Frank E., and A. S. Taylor, to American Cyanamid Co. 2,720,353, Cl. 226—71.  
 Stirn, Frank E., and A. S. Taylor, to American Cyanamid Co. 2,720,463, Cl. 106—135.  
 Stirnemann, Ernst: See—  
 Lindemann, Herbert, and Stirnemann. 2,714,747.  
 Stirnemann, Ernst, and H. Lindemann. 2,714,748, Cl. 18—48.  
 Stirrat, William A., to the United States of America as represented by the Secretary of the Army. 2,711,508, Cl. 323—123.  
 Stirrup, Frank A., to Gorton Heating Corp. 2,709,550, Cl. 236—62.  
 Stirton, Marguerite A. 2,726,397, Cl. 2—48.  
 Stitz, Carolina. 2,722,175, Cl. 101—48.  
 Stivale, Santo. 2,725,274, Cl. 312—290.  
 Stix, Nathan: See—  
 Stern, Joseph S., Jr., and Stix. 2,710,366.  
 Stobb, Anton R., to Fred'k H. Levey Co., Inc. 2,700,335, Cl. 101—349.  
 Stobb, Anton R., to Western Printing & Lithographing Co. 2,717,383, Cl. 1—7.  
 Stober, Kenneth E.: See—  
 Amos, James L., Frank, and Stober. 2,714,101.  
 Stochl, Ernest F. 2,718,025, Cl. 16—85.  
 Stock, Charles S. R., to Girling Ltd. 2,717,669, Cl. 188—88.  
 Stock, Henry W. 2,711,589, Cl. 33—61.  
 Stock, Robert. 2,714,492, Cl. 242—55.  
 Stock, Robert J., and J. McLay, to Allegheny Ludlum Steel Corp. 2,702,320, Cl. 191—1.  
 Stockard, John M., to the United States of America as represented by the Secretary of the Navy. 2,702,008, Cl. 103—168.  
 Stocke, Pius. 2,705,510, Cl. 143—17.  
 Stockham, Frederick C.: See—  
 West, Vivian J., and Stockham. 2,704,388.  
 Stocks, Harlan E.: See—  
 Lipking, Henry P. 2,712,670.  
 Stocks, Harry R., to General Motors Corp. 2,713,178, Cl. 15—253.  
 Stockton, Ray F., Wire Products Co. Inc.: See—  
 Stockton, Raymond F. 2,700,991.  
 Stockton, Raymond F., to Ray F. Stockton Wire Products Co., Inc. 2,700,991, Cl. 140—112.  
 Stockton, Raymond F. 2,720,227, Cl. 140—58.  
 Stoddard, Carl K., and J. L. Wyatt, to National Lead Co. 2,709,078, Cl. 266—19.  
 Stoddard, Craig. 2,710,118, Cl. 222—266.  
 Stoddard, Emory F., and E. L. Reidy, to International Business Machines Corp. 2,724,232, Cl. 58—35.  
 Stodgell, Francis M. 2,714,079, Cl. 134—22.  
 Stodola, Edwin K., to the United States of America as represented by the Secretary of the Army. 2,721,266, Cl. 250—36.  
 Stodola, Frank H.: See—  
 Koepsell, Harold J., Stodola, and Sharpe. 2,724,680.  
 Stoerber, Joseph H. 2,725,813, Cl. 97—227.  
 Stoeckicht, Wilhelm G. 2,703,021, Cl. 74—410.  
 Stoeckicht, Wilhelm G. 2,722,296, Cl. 192—075.  
 Stoeckicht, Wilhelm G. 2,722,302, Cl. 192—85.  
 Stoeckicht, Wilhelm G. 2,725,763, Cl. 74—763.  
 Stoeckl, Ernest P., to Geneva Modern Kitchens, Inc. 2,698,776, Cl. 312—238.  
 Stoecklin, Ernst, and P. Schobel, to Ciba Ltd. 2,702,295, Cl. 260—330.5.  
 Stoecklin, Erwin: See—  
 Perrottet, Adelar. 2,700,798.  
 Stoen, Arnold B. and M. B. 2,710,975, Cl. 5—84.  
 Stoen, Martin B.: See—  
 Stoen, Arnold B. and M. B. 2,710,975.  
 Stoermer, William F., to Aero Supply Mfg. Co., Inc. 2,728,300, Cl. 103—126.  
 Stoff, Wolfgang, and E. Neumann, to Loewe Opta Aktiengesellschaft. 2,703,877, Cl. 340—253.  
 Stoffel & Co.: See—  
 Kälin, Erich. 2,728,294.  
 Stoffel, Paul J.: See—  
 Beaver, David J., Shumard, and Stoffel. 2,713,036.  
 Stoffel Seals Corp.: See—  
 Stelzer, William. 2,712,958.  
 Stogner, Wallace. 2,706,870, Cl. 43—56.  
 Stoker, James E., and D. L. Messenger. 2,728,847, Cl. 240—52.5.  
 Stokes, Alfred P. D. 2,712,241, Cl. 73—432.  
 Stokes, Antony S., to Ransomes & Rapier Ltd. 2,722,319, Cl. 212—8.  
 Stokes, Antony S., T. Worsnop, and J. R. McDonald, to Ransomes & Rapier Ltd. 2,704,615, Cl. 214—513.  
 Stokes, Charles A., to Godfrey L. Cabot, Inc. 2,720,939, Cl. 183—121.  
 Stokes, John C., to Reed Roller Bit Co. 2,704,655, Cl. 255—72.  
 Stokes, John C., to Reed Roller Bit Co. 2,712,922, Cl. 255—72.  
 Stokes, John H. 2,709,404, Cl. 101—123.  
 Stokes, Konrad H., to Minneapolis-Honeywell Regulator Co. 2,704,937, Cl. 73—430.  
 Stokes, Morris A.: See—  
 Allen, Sidney, and Stokes. 2,705,401.  
 Allen, Sidney, and Stokes. 2,706,889.



- Stokes and Smith Co.: *See*—  
Lange, Ludwig H., and Flack. 2,705,905.
- Stokoe, James, to Hydro-Ash Corp. 2,708,489, Cl. 183—38.
- Stoll, Arthur, and J. Rutschmann, to Sandoz A. G. 2,706,196, Cl. 260—285.5.
- Stoll, Arthur, and J.-P. Bourquin, to Sandoz A. G. 2,715,628, Cl. 260—293.4.
- Stoll, Arthur, and J.-P. Bourquin, to Sandoz A. G. 2,717,251, Cl. 260—293.4.
- Stoll, Harry H. 2,711,327, Cl. 280—36.
- Stoll, Milton: *See*—  
Stoll, Victor. 2,724,899.
- Stoll, Reiner G., to Celanese Corp. of America. 2,701,962, Cl. 73—159.
- Stoll, Samuel J. 2,708,466, Cl. 143—89.
- Stoll, Sima: *See*—  
Stoll, Victor. 2,724,899.
- Stoll, Victor, deceased; S. Stoll, executrix,  $\frac{1}{2}$  to M. Stoll. 2,724,899, Cl. 33—174.
- Stoll, Willy, and F. Litvan, to J. R. Geigy A. G. 2,727,060, Cl. 260—469.
- Stolle, Anthony D.: *See*—  
Gallagher, William P., Stolle, and Bielik. 2,709,341.
- Stolle, Anthony D., and R. B. Ellis, to International Register Co. 2,728,822, Cl. 200—38.
- Stollenwerk, Harry A., to Porto-Rak Co. 2,710,735, Cl. 248—221.
- Stoller, Benjamin B. 2,723,493, Cl. 47—1.1.
- Stollman, Jacob. 2,707,992, Cl. 160—95.
- Stolove, Martin. 2,704,964, Cl. 90—13.05.
- Stolp, Cornelius J.: *See*—  
Soderman, George W., and Stolp. 2,705,341.
- Stolp, William J.: *See*—  
Rowe, Oliver R., and Stolp. 2,717,422.
- Stoltman, John A. 2,725,731, Cl. 65—12.
- Stoltz, Charles E., to Goodman Mfg. Co. 2,719,617, Cl. 192—4.
- Stoltz, Herbert C. 2,722,859, Cl. 81—15.
- Stolz, William J.: *See*—  
Glasenbart, Alfons, and Stolz. 2,705,623.
- Stone, Albert L., to Esso Research and Engineering Co. 2,719,025, Cl. 255—23.
- Stone, Arthur P., to The Wright Tool and Forge Co. 2,701,977, Cl. 81—63.2.
- Stone, Arthur P., to The Wright Tool and Forge Co. 2,715,955, Cl. 192—43.1.
- Stone, Arthur P. 2,725,772, Cl. 81—63.
- Stone, Carl R., to Crane Co. 2,719,536, Cl. 137—111.
- Stone, David J. 2,703,412, Cl. 5—82.
- Stone, Henry A., Jr.: *See*—  
Duncan, Robert S., and Stone. 2,722,664.
- Stone, Hyman N., to Norton Co. 2,708,622, Cl. 51—293.
- Stone, Irving S. 2,714,253, Cl. 33—18.
- Stone, Irwin, to Wallerstein Co., Inc. 2,717,852, Cl. 195—17.
- Stone, J., & Co. (Charlton) Ltd.: *See*—  
Payne, Ronald J. M., and Webb. 2,715,577.
- Stone, Jack C.: *See*—  
Huffman, Delmar E. 2,725,063.
- Stone, Joseph J., Jr., to the United States of America as represented by the United States Atomic Energy Commission. 2,705,108, Cl. 235—61.
- Stone, Joseph J., Jr., to the United States of America as represented by the United States Atomic Energy Commission. 2,700,149, Cl. 340—174.
- Stone, Leonard: *See*—  
Smiley, Karl L., and Stone. 2,702,265.
- Stone, Leonard,  $\frac{1}{3}$  to The Garrard Engineering and Mfg. Co. Ltd., and  $\frac{1}{3}$  to Linguaphone Institute Ltd. 2,723,859, Cl. 274—14.
- Stone Machinery Co., Inc.: *See*—  
Carroll, Raymond B. 2,707,853.
- Stone, Natalie G.: *See*—  
Gordon, Melvin J. 2,710,092.
- Stone, Saul. 2,702,964, Cl. 46—56.
- Stone, Saul. 2,706,065, Cl. 220—60.
- Stone, Walter K., to the United States of America as represented by the Secretary of Commerce. 2,727,697, Cl. 241—175.
- Stone, Walter V. 2,704,852, Cl. 15—112.
- Stone, Wayne A., to Minneapolis-Honeywell Regulator Co. 2,710,156, Cl. 244—77.
- Stone & Webster Engineering Corp.: *See*—  
Kirkpatrick, Alton. 2,723,109.
- Stone, William, Jr. 2,714,721, Cl. 3—1.
- Stoneback, Ira T., to International Telephone and Telegraph Corp. 2,708,771, Cl. 18—13.
- Stoneman, John P., to Courtaulds Ltd. 2,721,865, Cl. 260—229.
- Stoner, Charles W. 2,706,386, Cl. 62—115.
- Stoner, Clinton, to A. Shapiro Inc. 2,707,786, Cl. 2—119.
- Stoner, Harry B., E. Parre, and R. L. McGary, to Stoner Mfg. Corp. 2,707,543, Cl. 194—63.
- Stoner Mfg. Corp.: *See*—  
Stoner, Harry B., Parre, and McGary. 2,707,543.
- Stoner-Mudge, Inc.: *See*—  
Seagren, George W., and Reymann. 2,699,413.
- Stoner, Theodore R. 2,703,105, Cl. 137—625.12.
- Stookey, Kenneth W., W. E. Steinwedell, and R. T. Kyle, to The Gas Machinery Co. 2,714,058, Cl. 48—74.
- Stop-Fire, Inc.: *See*—  
Nurkiewicz, Ignatius. 2,708,482.
- Stora Kopparbergs Bergslags Aktiebolag: *See*—  
Cederquist, Karl N. 2,704,895.
- Storch, Leo, to Radio Corp. of America. 2,724,804, Cl. 333—17.
- Storer, John E., Jr.: *See*—  
Livezey, William G., Storer, and Richards. 2,699,074.
- Storer, Thomas K.: *See*—  
Doyle, Clifford J., and Storer. 2,709,708.
- Storey, Charlton H., Jr.: *See*—  
Hunt, William T., Jr., and Storey. 2,728,040.
- Storey, Norman C. 2,723,622, Cl. 103—3.
- Stork, Gilbert: *See*—  
Rosenkranz, George, Romo, Stork, and Djerassi. 2,712,027.
- Storkline Furniture Corp.: *See*—  
Ziegler, Walter H. 2,725,590.
- Storm, Herbert F., to General Electric Co. 2,704,823, Cl. 323—89.
- Storm, Herbert F., to General Electric Co. 2,724,797, Cl. 322—24.
- Storm, Lynn W. 2,721,056, Cl. 255—27.
- Storm Windows of Aluminum, Inc.: *See*—  
Higgins, Thomas J. 2,709,099.
- Stormon, Lester T.: *See*—  
Handler, Elliot, Kossoff, and Stormon. 2,705,387.
- Storms, John A., and R. E. Peterson, to Westinghouse Electric Corp. 2,725,498, Cl. 313—217.
- Storrie, Robert C. 2,705,992, Cl. 153—32.
- Storrs, William H., and A. J. Wells, to The Hartford Special Machinery Co. 2,712,987, Cl. 51—293.
- Storsand, Bjarne, to Ateliers de Construction Oerlikon. 2,713,145, Cl. 323—128.
- Storsand, Bjarne, to Ateliers de Construction Oerlikon. 2,726,360, Cl. 318—46.
- Story-Langdon Foundation: *See*—  
Langdon, Jesse D., and Brown. 2,722,944.
- Story, Malcolm C. 2,712,587, Cl. 219—30.
- Storz, Viktor: *See*—  
Junghans, Helmut, von Zepelin, Storz, and Letsche. 2,721,443.
- Stothard, Thomas H.: *See*—  
Thomas, Edward B., Stothard, and Alcock. 2,727,064.
- Stotler, Richard V.: *See*—  
Bacon, Clare E., Stotler, and Meyer. 2,702,261.
- Stotler, Richard V., to Owens-Corning Fiberglas Corp. 2,719,336, Cl. 19—155.
- Stott, Albert M. 2,719,458, Cl. 89—28.
- Stott, Albert M., and L. W. Insetta. 2,704,331, Cl. 250—52.
- Stott, John E., to Wallaceburg Brass Ltd. 2,720,215, Cl. 137—434.
- Stott, Louis L., to The Polymer Corp. 2,719,330, Cl. 18—55.
- Stott, Louis L., and L. R. B. Hervey, to The Polymer Corp. 2,698,966, Cl. 18—55.
- Stott, William A. 2,706,536, Cl. 188—112.
- Stotz, Ottmar. 2,727,285, Cl. 20—40.
- Stoudenheimer, Richard G., and R. W. Engstrom, to Radio Corp. of America. 2,728,014, Cl. 313—95.
- Stouder, Roy, H. Carbiener, and D. L. Rutter, to Excel Corp. 2,701,631, Cl. 189—64.
- Stouder, William H.: *See*—  
Emmert, Clayton F., and Stouder. 2,700,473.
- Stough, Charles R., to Motor Wheel Corp. 2,698,566, Cl. 97—56.
- Stoughton, Roger W., to Mallinckrodt Chemical Works. 2,709,171, Cl. 260—279.
- Stout, Charles E. 2,714,420, Cl. 155—124.
- Stout, Harold E., to Textile Trimming & Boarding Machine Co., Inc. 2,722,728, Cl. 26—11.
- Stout, Richard E. 2,706,851, Cl. 29—456.
- Stover, Ancil C., to W. W. Eisenhauer, W. P. Ellwood, and I. J. and L. E. Eisenhauer, copartners d. b. a. The Eisenhauer Mfg. Co. 2,707,110, Cl. 280—104.5.
- Stover, Emory F. 2,724,405, Cl. 137—486.
- Stover, Harry E., to Anchor Hocking Glass Corp. 2,700,186, Cl. 18—59.
- Stowe, Charles R.: *See*—  
Britton, Philip S., and Stowe. 2,699,261.
- "Straba" Handels-Aktiengesellschaft: *See*—  
Keiser, Alwin F. 2,714,528.
- Sommer, Albert. 2,726,852.
- Strable, Frederick E.: *See*—  
Eaton, William T., and Strable. 2,722,262.
- Strachan, Donald R.: *See*—  
Magat, Eugene E., and Strachan. 2,708,617.
- Strachan & Henshaw, Ltd.: *See*—  
Miles, William H. 2,711,935.
- Strachan, Mark N., to Monsanto Chemicals Ltd. 2,701,902, Cl. 22—196.
- Stracker, Joseph J. 2,703,908, Cl. 16—116.
- Strahm, Andre, to Uni-Tubo S. A. 2,713,369, Cl. 150—0.5.
- Strahota, Clarence L., and G. A. Van Dornen, to Milwaukee Electric Transmitter, Inc. 2,702,106, Cl. 192—18.
- Strain, Daniel E., and T. H. Crim, to E. I. du Pont de Nemours and Co. 2,711,986, Cl. 154—139.
- Strain, Douglas C.: *See*—  
Brown, Franklin M., Strain, and Roberts. 2,707,222.
- Strain, Franklin: *See*—  
Neubauer, Joseph A., Strain and Kung. 2,717,238.
- Strain, Robert N. C.: *See*—  
Hall, Henry W., Strain, and Mathisen. 2,719,197.
- Strain, William E., and J. H. Steward; said Strain assor. to said Steward. 2,707,322, Cl. 29—432.
- Straitiff, Donald F., to Westinghouse Air Brake Co. 2,723,798, Cl. 230—208.
- Straka, Cyril J., to Westinghouse Electric Corp. 2,711,982, Cl. 154—83.



- Straley, James M.: *See*—  
Dickey, Joseph B., and Straley. 2,726,251.
- Straley, James M., and R. C. Harris, to Eastman Kodak Co. 2,716,124, Cl. 260—353.
- Strand, Russell S., to Continental Specialties Co., Ltd. 2,706,839, Cl. 20—42.
- Strand, Sanford M., Sr.: *See*—  
Newman, John M., and Strand. 2,707,254.
- Strandberg, Arthur B. 2,705,359, Cl. 25—131.
- Strandberg, Malcom W. P., to the United States of America as represented by the Secretary of War. 2,703,362, Cl. 250—15.
- Strandberg, Malcom W. P., to the United States of America as represented by the Secretary of the Navy. 2,705,756, Cl. 250—36.
- Strandberg, Ray U. 2,705,430, Cl. 76—36.
- Strandskov, Frede B.: *See*—  
Marks, Henry C., and Strandskov. 2,715,582.
- Strandwitz, Norman S., F. J. Eichelman, and W. E. Doering, to National Cylinder Gas Co. 2,714,292, Cl. 62—1.
- Strang, Charles D., Jr.: *See*—  
Shaw, Milton C., and Strang. 2,722,463.
- Strang, Charles H. 2,716,366, Cl. 81—98.
- Strang, Peter M. 2,700,866, Cl. 57—156.
- Strange, Charles H., to E. L. Strange. 2,705,746, Cl. 200—137.
- Strange, Charles H., to E. L. Strange. 2,705,747, Cl. 200—137.
- Strange, Elsa L.: *See*—  
Strange, Charles H. 2,705,746.
- Strange, Charles H. 2,705,747.
- Strange, John, to Tinnerman Products, Inc. 2,725,544, Cl. 339—95.
- Stranne, John E. W.: *See*—  
Göthberg, Karl E. A., and Stranne. 2,705,547.
- Strashun, Sumner I., to the United States of America as represented by the Secretary of Agriculture. 2,710,810, Cl. 99—199.
- Strasinger, John V.: *See*—  
Gallagher, Hugh M., and Strasinger. 2,722,971.
- Strasser, Dale M., to The Texas Co. 2,701,755, Cl. 48—78.
- Strasser, Myron S. 2,720,348, Cl. 223—83.
- Straszak, Alois. 2,702,997, Cl. 65—22.
- Straszer, Walter C. 2,702,396, Cl. 15—138.
- Strattman, Edwin A. 2,722,797, Cl. 56—295.
- Strattner, George J.: *See*—  
Drubig, Horst, Eisele, Strattner, and Parow. 2,714,694.
- Stratton, Cleo C. 2,710,665, Cl. 183—9.
- Stratton Equipment Co.: *See*—  
Stratton, Ronald R. 2,699,875.
- Stratton, Ronald R. 2,706,120.
- Stratton, Frank E., and P. R. Scott, to United Shoe Machinery Corp. 2,719,310, Cl. 12—14.5.
- Stratton, Harry C. 2,714,271, Cl. 43—21.
- Stratton, Robert R.: *See*—  
Beach, Clarence E., and Munger. 2,704,187.
- Stratton, Ronald R., to Stratton Equipment Co. 2,699,875, Cl. 212—35.
- Stratton, Ronald R., to Stratton Equipment Co. 2,706,120, Cl. 280—35.
- Straty, Stephen, to Kilbourn Engineering Co. 2,704,848, Cl. 10—89.
- Straub, Edward L., R. Z. Eicher, and J. L. Vogel. 2,706,852, Cl. 30—4.
- Straub, John C., to American Wheelabrator & Equipment Corp. 2,708,814, Cl. 51—9.
- Straube, Harold M., to Bell Telephone Laboratories, Inc. 2,708,748, Cl. 340—354.
- Straubel, Clarence W., to The General Fireproofing Co. 2,716,583, Cl. 312—303.
- Strausburg, Chester S. 2,715,533, Cl. 280—5.22.
- Strauss, David. 2,715,793, Cl. 46—107.
- Strauss, Herman H., to Gaylord Container Corporation. 2,714,982, Cl. 229—39.
- Strauss, Howard J., to The Electric Storage Battery Co. 2,724,011, Cl. 136—146.
- Strauss, Howard J., to Columbian Carbon Co. 2,704,242, Cl. 23—279.
- Strauss, Leopold: *See*—  
Bell, Leo R., Panuline, and Strauss. 2,724,426.
- Strauss, Louis W., to Deere Mfg. Co. 2,699,107, Cl. 100—192.
- Strauss, Manfred, and P. Truninger, to Buss A. G. 2,718,317, Cl. 214—16.1.
- Strausser, Arlan E., Sr. 2,713,744, Cl. 43—44.99.
- Straussler, Nicholas. 2,714,232, Cl. 20—40.
- Straussler, Nicholas P. S. 2,702,017, Cl. 114—0.5.
- Straussler, Nicholas P. S. 2,709,982, Cl. 115—19.
- Strawn, Raymond W., to W. C. Kinney. 2,708,759, Cl. 9—18.
- Strayer, Charles B. 2,723,018, Cl. 194—51.
- Strayline, George W. 2,704,322, Cl. 240—10.64.
- Streb, Joseph C., and G. B. Bole, to The Union Metal Mfg. Co. 2,705,571, Cl. 214—315.
- Streb, Joseph C., and M. J. Osborne, to The Union Metal Mfg. Co. 2,708,043, Cl. 214—317.
- Streed, Olof V., Sr.: *See*—  
Streed, William R. and O. V. 2,725,079.
- Streed, William R. and O. V., Sr. 2,725,079, Cl. 138—64.
- Street, Kenneth, Jr., to the United States of America as represented by the United States Atomic Energy Commission. 2,711,362, Cl. 23—14.5.
- Streeter-Amet Co.: *See*—  
Kennedy, Verne C., Jr. 2,725,275.
- Wiley, George G. 2,700,950.
- Strefling, John L. 2,706,831, Cl. 18—3.5.
- Streich, Philip A., V. R. Clark, and E. P. Tait, to Tait-Clark-Streich Machinery Corp. 2,716,776, Cl. 17—2.
- Streit, C. F., Mfg. Co., The: *See*—  
Streit, Carl F. 2,705,042.
- Streit, Carl F., to The C. F. Streit Mfg. Co. 2,705,042, Cl. 155—116.
- Streuber, Herman: *See*—  
Stanetzki, Lothar. 2,726,900.
- Streuber, Rudolf G., and H. E. Van Hoesen, to Research Corp. 2,704,343, Cl. 318—45.
- Strey, Paul M. 2,718,079, Cl. 39—22.
- Strezynski, George J., to Faster Food Products Co. 2,701,204, Cl. 99—116.
- Strezynski, George J., to The De Laval Separator Co. 2,705,202, Cl. 99—27.
- Strezynski, George J., to Faster Food Products Co. 2,712,999, Cl. 99—116.
- Strezynski, George J., to The De Laval Separator Co. 2,719,003, Cl. 233—47.
- Strezynski, George J., to The De Laval Separator Co. 2,725,186, Cl. 233—19.
- Strible, Verne C.: *See*—  
Ahlstrand, Philip M., Starnes, and Strible. 2,725,722.
- Stribling, Sidney. 2,713,957, Cl. 223—73.
- Stricklan, Barney R.: *See*—  
Jennings, Louis A., and Stricklan. 2,721,831.
- Strickland, Barney R., to Esso Research and Engineering Co. Re. 24,025, Cl. 196—14.11.
- Strickland, Royce M., to Greenfield Tap and Die Corp. 2,710,979, Cl. 10—96.
- Strickland, Royce M., to Greenfield Tap and Die Corp. 2,712,658, Cl. 10—145.
- Stricklen, Clifford C. 2,706,137, Cl. 308—201.
- Strickler, Milton W. 2,701,386, Cl. 17—45.
- Strickler, Milton W. 2,726,421, Cl. 17—43.
- Stricklin, John H. 2,703,990, Cl. 74—503.
- Strid, Carl J., to General Controls Co. 2,722,398, Cl. 251—141.
- Strike, George N. 2,700,928, Cl. 100—269.
- Strike, Louis N. 2,727,661, Cl. 223—73.
- Stringer, Vernon T.: *See*—  
Taylor, Joseph R., and Stringer. 2,724,169.
- Stringfellow, W. T., and Co., Inc.: *See*—  
Wiley, Mike M. 2,726,777.
- Stringfield, Theodore W., L. R. Spaulding, R. F. Stevens, and W. V. Behrens, to the United States of America as represented by the Secretary of the Department of the Interior. 2,725,526, Cl. 324—52.
- Stringham, Floyd M., to Personal Products Corp. Re. 24,001, Cl. 128—291.
- Stringham, Leonidas K., and P. E. Jerabek, to The Lincoln Electric Co. 2,719,801, Cl. 148—26.
- Stringham, William S., and G. N. Summers, to B. Williams. 2,724,645, Cl. 75—110.
- Stringham, William S., and G. N. Summers, to B. Williams. 2,724,646, Cl. 75—110.
- Stripling, Allen A., to Socony-Vacuum Oil Co., Inc. 2,713,147, Cl. 324—1.
- Strittmatter, Bernhard E.: *See*—  
Lafferentz, Bodo, Huber, and Strittmatter. 2,707,515.
- Lafferentz, Bodo, Huber, and Strittmatter. 2,715,436.
- Stritzler, Nathan L. 2,699,825, Cl. 160—90.
- Strnad, James J., to Lempeco Products, Inc. 2,704,549, Cl. 137—469.
- Strniste, Charles: *See*—  
Crocker, William D., and Strniste. 2,725,436.
- Strobel, Albert F., and W. W. Williams, to General Aniline & Film Corp. 2,723,996, Cl. 260—570.9.
- Strobel, Charles K., to Robertshaw-Fulton Controls Co. 2,702,593, Cl. 158—128.
- Strobel, Charles K., to Robertshaw-Fulton Controls Co. 2,707,517, Cl. 158—130.
- Strobel, Charles K., to Robertshaw-Fulton Controls Co. 2,707,519, Cl. 158—143.
- Strobel, Charles K., to Robertshaw-Fulton Controls Co. 2,726,653, Cl. 126—42.
- Strobel, Charles K., to Robertshaw-Fulton Controls Co. 2,726,717, Cl. 161—9.
- Strobel, Herman R., to Western Electric Co., Inc. 2,725,352, Cl. 204—28.
- Strobel, Herman R., to Western Electric Co., Inc. 2,725,353, Cl. 204—32.
- Strobel, Joseph J.: *See*—  
Obenschain, Arthur W., Strobel, and Daly. 2,701,867.
- Strobel, Peter A., and A. H. McPhee, to Luria Engineering Corp. 2,718,036, Cl. 20—16.
- Strobo-Research: *See*—  
Farber, Edward R., and Rauch. 2,727,980.
- Strocco, Gene. 2,700,585, Cl. 312—30.
- Strocco, Gene. 2,720,179, Cl. 112—251.
- Strock, Ronald W.: *See*—  
Dosmann, Lucian P., Ferguson, and Strock. 2,698,816.
- Stroehman, Milton W., to Kootz & Stroehman Machine Co. 2,714,996, Cl. 242—58.
- Strolee of California, Inc.: *See*—  
Preisler, Leon, and Shone. 2,728,580.
- Strollee of California, Inc.: *See*—  
Shone, Samuel M., and Preisler. 2,711,328.
- Strom, Ernest: *See*—  
Koch, William H., and Strom. 2,727,323.
- Strom, George A., Jr. 2,701,055, Cl. 209—111.



- Strom, James A.: *See*—  
Dames, Trent R., Strom, Maloney, Chivens, and Boller. 2,702,473.
- Strom, William T., to W. H. Robinson, d. b. a. Buckeye Molding Co. 2,718,980, Cl. 220—60.
- Stromberg-Carlson Co.: *See*—  
Conrad, Matthew. 2,707,319.  
Conrad, Matthew. 2,718,616.  
Droel, Louis W. 2,701,283.  
Elliott, George, and Pharis. 2,702,831.  
Elliott, George, and Pharis. 2,707,725.  
Elliott, George, and Pharis. 2,707,728.  
Enslein, Kurt. 2,719,919.  
Frankel, Theodor. 2,713,654.  
Gratlian, Joseph W. 2,704,790.  
Gratlian, Joseph W. 2,710,349.  
Hall, John A. 2,715,158.  
Holmes, Lynn C. 2,709,204.  
Jamieson, Donald F. 2,715,188.  
Kessler, Frank. 2,704,308.  
Kessler, Frank. 2,706,747.  
Kessler, Frank. 2,710,311.  
Marshall, Joseph F. 2,707,414.  
Morris, Frank A. Re. 24,053.  
Pharis, William W. 2,701,278.  
Pharis, William W. 2,702,314.  
Pharis, William W. 2,702,832.  
Pharis, William W. 2,704,787.  
Pharis, William W. 2,706,750.  
Pharis, William W. 2,707,727.  
Pharis, William W. 2,709,718.  
Pharis, William W. 2,713,089.  
Pharis, William W. 2,715,159.  
Pharis, William W. 2,715,160.  
Pharis, William W. 2,717,923.  
Pharis, William W. 2,725,426.  
Pharis, William W., and Reagan. 2,700,069.  
Reagan, Leon H. 2,703,342.  
Reagan, Leon H. 2,719,883.  
Weiner, Sherman B. 2,715,162.  
Wharton, Armistead, and Benz. 2,714,197.  
Wheeler, John L. 2,702,879.
- Stromberg, Enoch B. 2,715,279, Cl. 33—149.
- Stromberg, Hans B.: *See*—  
Mills, Victor, Stromberg, and Kemp. 2,712,529.
- Stromberg, Olof E. E. 2,704,585, Cl. 188—3.
- Stromberg, Roland W., to Hudelson-Whitebone Corp. 2,711,273, Cl. 224—42.06.
- Strong, Allen K., to American Cyanamid Co. 2,698,696, Cl. 214—10.5.
- Strong, Bernard, to E. Shipton & Co. Ltd. 2,724,860, Cl. 18—5.
- Strong, Charles E., to International Standard Electric Corp. 2,709,807, Cl. 343—107.
- Strong Electric Corp.: *See*—  
Hatch, Arthur J. 2,705,269.
- Strong, Henry G. 2,701,097, Cl. 235—61.
- Strong, Herbert M., to General Electric Co. 2,706,911, Cl. 73—399.
- Strong, James S., W. E. Craig, and V. T. Elkind, to Rohm & Haas Co. 2,700,668, Cl. 260—268.
- Strong, John, to the United States of America as represented by the Secretary of the Navy. 2,700,002, Cl. 117—61.
- Strong, Robert M., and J. B. Ficklen, III. 2,701,467, Cl. 73—28.
- Strong, Walter J., to The B. F. Goodrich Co. 2,707,851, Cl. 51—3.
- Strong, Walter J., and A. A. Hanson, to The B. F. Goodrich Co. 2,720,908, Cl. 154—14.
- Strongson, Herman L., to Consolidated General Products, Inc. 2,701,921, Cl. 34—151.
- Stroobants, Pierre, to Ateliers de Constructions Electriques de Charleroi. 2,709,597, Cl. 274—40.
- Strother, Fred P., to West Point Mfg. Co. 2,704,633, Cl. 235—58.
- Strother, Fred P., to Minneapolis-Honeywell Regulator Co. 2,707,085, Cl. 244—77.
- Strother, Fred P., and J. A. Tourtellot, to Deering Milliken Research Trust. 2,699,701, Cl. 88—14.
- Strother, Fred P., E. H. Granberry, and G. Manning, to West Point Mfg. Co. 2,705,523, Cl. 73—141.
- Strother, John A.: *See*—  
Rouan, Francis J., and Strother. 2,703,237.
- Stroud, Francis H. 2,720,890, Cl. 137—480.
- Stroud, Howard A. 2,720,317, Cl. 211—105.2.
- Stroud, W. V.: *See*—  
Crooksbank, Donald P. 2,724,360.
- Strough, Robert I., and H. N. Jacobs, to the United States of America as represented by the Secretary of the Navy. 2,703,864, Cl. 324—43.
- Stroup, Cynthia M., and D. L. 2,720,861, Cl. 119—28.
- Stroup, Daniel L.: *See*—  
Stroup, Cynthia M., and D. L. 2,720,861.
- Strub, René A., to E. I. du Pont de Nemours & Co. 2,698,576, Cl. 103—5.
- Strubel, Paul F., to General Electric Co. 2,712,119, Cl. 339—103.
- Struble, Glenn E.: *See*—  
Van Rosen, Robert E., Arens, and Struble. 2,711,843.
- Struckle, Joseph J. 2,718,805, Cl. 81—106.
- Structo Mfg. Co.: *See*—  
Gokey, Joseph G. 2,705,388.
- Structural Clay Products Research Foundation: *See*—  
Taylor, Robert B., and Johnson. 2,715,777.
- Structural Paper Co.: *See*—  
Lichtenstein, Immanuel. 2,710,264.  
Lichtenstein, Immanuel. 2,710,265.
- Strum, Peter D.: *See*—  
Byrne, John F., and Strum. 2,721,936.
- Strunk, Kenneth G., T. A. Lelek, and W. Semenyna, to Breeze Corporations, Inc. 2,707,904, Cl. 89—1.5.
- Strunk, Leonard M.: *See*—  
Weller, Earl H. 2,708,596.  
Weller, Earl H. 2,719,754.
- Strunsky, Joseph. 2,720,851, Cl. 110—119.
- Struve, Leonard: *See*—  
Spurlino, Pascal, Moser, Wheeler, and Struve. 2,698,715.
- Stuart, Alfred A., to Bendix Aviation Corp. 2,716,891, Cl. 73—194.
- Stuart Corporation: *See*—  
Stuart, Fred E. 2,715,099.
- Stuart, Davis Ltd.: *See*—  
Darby, Walter. 2,720,791.
- Stuart, Frank A.: *See*—  
Clayton, James O., Lindstrom, and Stuart. 2,700,022.
- Stuart, Fred E., to Stuart Corporation. 2,715,099, Cl. 210—26.
- Stuart, Gerald H., and J. T. Watson, to The Borden Co. 2,714,069, Cl. 99—117.
- Stuart, Harry A. 2,718,600, Cl. 307—125.
- Stuart, John C. K., to Denman Enterprises, Ltd. 2,716,843, Cl. 49—1.
- Stuart, Joseph, II, to Hercules Powder Co. 2,720,982, Cl. 210—68.
- Stuart, Robert M., to T. A. Baker. 2,724,131, Cl. 9—1.
- Stuart, Roger L., 1/2 to D. V. Myers. 2,708,836, Cl. 64—30.
- Stuart, Whitney A., and L. G. Huxtable, to E. Arens. 2,714,751, Cl. 20—92.
- Stuart-Williams, Raymond: *See*—  
Rajchman, Jan A., and Stuart-Williams. 2,724,051.
- Stuart-Williams, Raymond, and M. Rosenberg, to International Telemeter Corp. 2,720,597, Cl. 307—88.
- Stubbe, Friedrich K. H.: *See*—  
Steinborn, Bernhard A. L. 2,701,050.
- Stubbers, Andrew H., to Ilasco Copper Tube & Products Inc. 2,724,814, Cl. 339—198.
- Stücheli, Alois, to Gebrüder Buhler. 2,703,648, Cl. 209—254.
- Stuchlik, René E. F., to Societe Rhodiaceta. 2,712,490, Cl. 18—54.
- Stuck, Harold D., to John W. Bolton & Sons Inc. 2,723,515, Cl. 51—285.
- Stuck, Harold D., to John W. Bolton & Sons, Inc. 2,725,795, Cl. 92—27.
- Stuckey, Albert D. C., and J. Decker, to The Cincinnati Milling Machine Co. 2,718,101, Cl. 51—165.
- Studebaker, Merton L., to Phillips Petroleum Co. 2,702,747, Cl. 71—64.
- Studebaker-Packard Corp.: *See*—  
Horton, Winthrop S., and Lucia. 2,701,630.  
Jordan, Leo M. 2,708,362.  
Klausmeyer, Otto H. 2,713,397.  
Kroger, George H. 2,720,730.  
Lucia, Carroll J. 2,728,241.  
Lucia, Carroll J. 2,728,427.  
Rerick, Albert H. 2,712,850.  
Schrum, Donald J. 2,714,034.  
Witzky, Julius E. 2,713,855.
- Studer, Fritz, to Aktiengesellschaft Fritz Studer. 2,708,815, Cl. 51—100.
- Studer, Fritz. 2,714,537, Cl. 308—70.
- Studer, Martin, and L. Willmann, to Societe de la Viscose Suisse. 2,703,270, Cl. 18—54.
- Stüdl, Hans. 2,711,561, Cl. 18—30.
- Stuebing, Walter C., Jr. 2,712,430, Cl. 254—2.
- Stueland, Harold M., to Deere & Co. 2,719,638, Cl. 214—140.
- Stueland, Harold M., to Deere & Co. 2,723,039, Cl. 214—140.
- Stueland, Richard O. 2,709,085, Cl. 280—412.
- Stuellein, William H.: *See*—  
Tremblay, Bernard G., and Stuellein. 2,725,442.
- Stuerzl, Henry G.: *See*—  
Corney, Charles S., Saxton, and Stuerzl. 2,707,798.
- Stuetzer, Otmar M. 2,707,762, Cl. 317—235.
- Stueven, Theodore J. 2,703,733, Cl. 302—37.
- Stufflet, Warren E.: *See*—  
Friedmann, Albert, and Stufflet. 2,705,409.
- Stuhlmann, Wilhelm: *See*—  
Heintzmann, Hans F., and Stuhlmann. 2,713,774.
- Stulcken, H. C., Sohn: *See*—  
Köhenkamp, Johann. 2,705,469.
- Stump, Eugen, to Daimler-Benz Aktiengesellschaft. 2,700,551, Cl. 280—106.
- Stump, Eugen, to Daimler-Benz Aktiengesellschaft. 2,727,692, Cl. 237—8.
- Stump, Maurice F. 2,713,278, Cl. 81—3.
- Stumpf, Felix: *See*—  
Riepert, Hermann, Horn, and Stumpf. 2,718,811.
- Stumpf, Heinz: *See*—  
Heller, Karl, and Stumpf. 2,707,780.
- Stumvoll, Anton, and A. R. Johnson; said Stumvoll assor. to said Johnson. 2,709,866, Cl. 43—3.
- Stupell, Norman J., to Signa-Craft, Inc. 2,699,618, Cl. 40—2.
- Sturdivant, Helen V., and M. R. Ross. 2,716,316, Cl. 55—118.
- Sturgeon, Bennett: *See*—  
Mamalis, Patrick, Petrow, and Sturgeon. 2,728,763.
- Sturgess, Inc.: *See*—  
Cushman, Clifford E. Re. 23,933.
- Sturma, Frank J. 2,728,325, Cl. 119—73.



- Sturman, Alton W. 2,700,163, Cl. 4—49.  
 Sturrock, James, to Master Pneumatic Tool Co. 2,715,889, Cl. 121—34.  
 Sturtevant, John V.: *See*—  
   Richardson, Frederick E., and Sturtevant. 2,717,452.  
 Sturtevant, Mark J.: *See*—  
   Brown, Warren D., Dudley, Flemming, and Sturtevant. 2,705,655.  
 Sturtevant, Mark J., to Chrysler Corp. 2,708,111, Cl. 267—49.  
 Stutzer, Hans, W. Wattler, and M. Hermann. 2,712,657, Cl. 10—49.  
 Stuvell, Bernard D. 2,714,468, Cl. 220—52.  
 Stuvell, Bernard D. 2,722,238, Cl. 138—89.  
 Styes, Fred J. 2,706,623, Cl. 259—161.  
 Stylon Corp.: *See*—  
   Gulbrandsen, Trygve. 2,709,864.  
 Subba Rao, Tatapudy V., and N. Desikachar, to Tata Oil Mills Co. Ltd. 2,702,754, Cl. 106—123.  
 Subias Ruiz, Alfonso. 2,723,490, Cl. 46—173.  
 Sublett, Robert L., to The Chemstrand Corp. 2,719,835, Cl. 260—75.  
 Sub-Zero Freezer Co., Inc.: *See*—  
   Bakke, Westye F. 2,700,281.  
 Succop, John A., to Heppenstall Co. 2,707,680, Cl. 75—123.  
 Sucher, Joseph R., to Emsig Mfg. Co. 2,701,880, Cl. 2—132.  
 Suchet, Jacques, to Compagnie Generale de Telegraphie Sans Fil, societe anonyme francaise. 2,714,096, Cl. 252—516.  
 Suchet, Jacques, and N. Thien-Chi. 2,720,471, Cl. 117—229.  
 Suchke, Frederick M., to Pioneer Heddle and Reed Co., Inc. 2,707,495, Cl. 139—92.  
 Suchoff, Lydia A., to the United States of America as represented by the Secretary of the Army. 2,702,252, Cl. 117—45.  
 Suchow, Lawrence, to the United States of America as represented by the Secretary of the Army. 2,723,914, Cl. 95—7.  
 Suchow, Lawrence, and S. L. Hersch, to the United States of America as represented by the Secretary of the Army. 2,700,610, Cl. 95—7.  
 Sückfull, Fritz: *See*—  
   Dittmar, Gerhard, and Sückfull. 2,720,516.  
 Sückfull, Fritz, to Farbenfabriken Bayer Aktiengesellschaft. 2,708,668, Cl. 260—167.  
 Sückfull, Fritz, and K. Böckmann, to Farbenfabriken Bayer Aktiengesellschaft. 2,712,006, Cl. 260—175.  
 Sückfull, Fritz, and P. Zervas, to Farbenfabriken Bayer Aktiengesellschaft. 2,718,518, Cl. 260—173.  
 Sückfull, Fritz, and P. Zervas, to Farbenfabriken Bayer Aktiengesellschaft. 2,721,191, Cl. 260—145.  
 Suckle, Jerome L. 2,718,640, Cl. 2—243.  
 Sucksdorff, Björn. 2,713,346, Cl. 134—107.  
 Sucksdorff, Björn. 2,714,976, Cl. 222—306.  
 Sudan, Eugene: *See*—  
   Wright, John G., Chafin, Sudan, Watkins, and Hanson. 2,698,681.  
 Südbau, Süddeutsche Bautechnik G. m. b. H.: *See*—  
   Kurz, Karl. 2,727,382.  
 Sudbrink, Harold O. 2,728,293, Cl. 101—401.1.  
 Sudbrink, Harold O. 2,728,568, Cl. 265—6.  
 Sudduth, Henry N.: *See*—  
   Pickert, Lynn I., and Sudduth. 2,725,261.  
 Sudduth, Henry N., to The New York Air Brake Co. 2,702,612, Cl. 188—196.  
 Sudduth, Henry N., to The New York Air Brake Co. 2,722,442, Cl. 291—46.  
 Sudo, Hidenori. 2,722,185, Cl. 112—159.  
 Sudwerke Motoren- und Kraftwagenfabriken G. m. b. H.: *See*—  
   Cambeis, Walter, and Haase. 2,705,480.  
 Sueddeutsche Kalkstickstoff-Werke A. G.: *See*—  
   Kaess, Franz, Doehleemann, and Maresch. 2,706,729.  
 Sueker, Keith H., to Westinghouse Electric Corp. 2,725,518, Cl. 322—24.  
 Suen, Tzeng J.: *See*—  
   Schiller, Arthur M., and Suen. 2,698,787.  
   Wooding, William M., and Suen. 2,719,798.  
 Suen, Tzeng-Jueq, to American Cyanamid Co. 2,715,619, Cl. 260—67.6.  
 Sugar Shell Corp.: *See*—  
   Tatosian, Harry G. 2,722,178.  
 Sugarman, Nathan, and W. R. Tooke, Jr., to C. E. Johnston. 2,708,418, Cl. 119—1.  
 Sugel, Edna. 2,726,401, Cl. 2—198.  
 Sugg, Harold L. 2,716,258, Cl. 18—18.  
 Suggs, James A. 2,727,245, Cl. 2—174.  
 Suhajda, Emil, to G. H. Bishop Co. 2,707,582, Cl. 223—37.  
 Suhajda, Emil, to G. H. Bishop Co. 2,723,840, Cl. 261—14.  
 Suhr, Berryman, Peterson & Suhr, Inc.: *See*—  
   Heinrich, Gustav A. 2,702,953.  
 Suhr, Emil W.: *See*—  
   Humphreys, David, and Suhr. 2,707,842.  
 Suhr, Fred W., to General Electric Co. 2,705,770, Cl. 318—200.  
 Suhr, Frederick W.: *See*—  
   Jenson, Kenneth S., and Suhr. 2,699,820.  
 Suhre, Jerome: *See*—  
   Loria, Walter J., and Suhre. 2,724,262.  
 Sulga, John V.: *See*—  
   Underwood, Ivan L., and Sulga. 2,701,399.  
 Sulger, Jakob, to L. Schuler, A.-G. 2,700,450, Cl. 198—33.  
 Sulich, John, Jr.: *See*—  
   Botkin, Carl, and Sulich. 2,727,820.  
 Sulich, John, Jr., to General Aniline & Film Corp. 2,717,832, Cl. 95—6.  
 Sullender, Maurice C.: *See*—  
   Butler, Wilburn J., Sullender, and Brumbaugh. 2,723,108.  
 Sullivan, Anna K. 2,716,558, Cl. 280—36.  
 Sullivan, Carroll F.: *See*—  
   Webb, James L. 2,704,478.  
 Sullivan, David J., to E. I. du Pont de Nemours and Co. 2,717,217, Cl. 117—76.  
 Sullivan, Frank E., to The De Laval Separator Co. 2,702,813, Cl. 260—425.  
 Sullivan, Frank N., to Kraft Foods Co. 2,701,091, Cl. 229—23.  
 Sullivan, Harris M.: *See*—  
   Nakaji, Edward M., and Sullivan. 2,702,156.  
 Sullivan, Herbert M., Jr., and W. H. Acker, to Phillips Petroleum Co. 2,708,084, Cl. 248—20.  
 Sullivan, Hillary L.: *See*—  
   Bridges, Jesse L., and Sullivan. 2,701,946.  
 Sullivan, James E., and H. J. Kenneway, Jr., to McLaurin-Jones Co. 2,700,619, Cl. 117—3.6.  
 Sullivan, John J. 2,726,874, Cl. 280—37.  
 Sullivan, Mathew D. 2,707,642, Cl. 280—96.2.  
 Sullivan, Norman M., to The Alvey-Ferguson Co. 2,706,609, Cl. 248—166.  
 Sullivan, Norman M. 2,707,783, Cl. 1—49.1.  
 Sullivan, Patrick H. 2,711,709, Cl. 116—101.  
 Sullivan, Richard A.: *See*—  
   Adrian, Joseph L., and Sullivan. 2,727,580.  
 Sullivan, Robert D., to Shell Development Co. 2,705,205, Cl. 106—271.  
 Sullivan, Robert D., to Shell Development Co. 2,717,880, Cl. 252—311.  
 Sullivan, Robert E., to Steam-Cote Corp. 2,701,905, Cl. 25—154.  
 Sullivan, Robert E., to Pipeco Corp. 2,721,147, Cl. 117—104.  
 Sullivan, Sylvester C. 2,716,927, Cl. 92—44.  
 Sullivan, Timothy J., to Sullivan Valve and Engineering Co. 2,701,580, Cl. 137—458.  
 Sullivan Valve and Engineering Co.: *See*—  
   Sullivan, Timothy J. 2,701,580.  
 Sullivan, William B. 2,717,471, Cl. 43—61.  
 Sullivan, William F.: *See*—  
   Alpert, Marshall B., and Sullivan. 2,712,523.  
 Sullivan, William Q.: *See*—  
   Flower, Burton T., and Sullivan. 2,722,060.  
 Sulphite Products Corp.: *See*—  
   Pearl, Irwin A. 2,724,727.  
 Sulzer Freres, S. A.: *See*—  
   Hofstetter, Hermann. 2,717,484.  
   Pfarrwaller, Erwin. 2,715,422.  
 Sulzer Freres, Societe Anonyme: *See*—  
   Pfarrwaller, Erwin. 2,700,399.  
   Pfarrwaller, Erwin. 2,702,054.  
   Pfarrwaller, Erwin. 2,726,685.  
   Pfarrwaller, Erwin. 2,728,359.  
 Sulzer, John H.: *See*—  
   Butterfield, Louis B., and Sulzer. 2,703,280.  
 Sulzmann, Erich. 2,700,287, Cl. 68—27.  
 Sumerak, Paul J. 2,703,545, Cl. 116—106.  
 Summach, Emerson H.: *See*—  
   Summach, Harvey W., and E. H. 1,700,856.  
 Summach, Harvey W. and E. H., said H. W. Summach assor. to E. H. Summach. 2,700,856, Cl. 55—152.  
 Summerer, William H., to Admiral Corp. 2,717,366, Cl. 339—126.  
 Summers, Caleb E. 2,711,723, Cl. 123—191.  
 Summers, Gerald C., to Socony-Vacuum Oil Co., Inc. 2,704,364, Cl. 181—0.5.  
 Summers, Glenn N.: *See*—  
   Stringham, William S., and Summers. 2,724,645.  
   Stringham, William S., and Summers. 2,724,646.  
 Summers Gyroscope Co.: *See*—  
   Dolude, Roman J. 2,714,947.  
   Dolude, Roman J. 2,720,602.  
   Elmer, Edward M. 2,721,284.  
   Summers, Thomas O., Jr., and Dolude. 2,724,281.  
 Summers, J. Mills, to Camloc Fastener Corp. 2,710,214, Cl. 292—247.  
 Summers, J. Mills, to Camloc Fastener Corp. 2,714,032, Cl. 292—247.  
 Summers, James H.: 2,722,823, Cl. 72—96.  
 Summers, Kenneth A. Re. 24,086, Cl. 166—77.  
 Summers, Orran B., 80% to International Industries, Inc., (N. S. L.). 2,711,914, Cl. 286—11.  
 Summers, Thomas O., Jr. 2,722,126, Cl. 74—5.45.  
 Summers, Thomas O., Jr. 2,722,127, Cl. 74—5.45.  
 Summers, Thomas O., Jr. 2,723,568, Cl. 74—388.  
 Summers, Thomas O., Jr. 2,723,813, Cl. 244—77.  
 Summers, Thomas O., Jr. 2,727,393, Cl. 74—5.7.  
 Summers, Thomas O., Jr., and R. J. Dolude: said Dolude assor. to Summers Gyroscope Co. 2,724,281, Cl. 74—361.  
 Summerville, Donald V., to Aeromat Products Co., Inc. 2,701,147, Cl. 285—84.  
 Summerville, William, and W. Leinen. 2,719,556, Cl. 146—108.  
 Summit Trust Co., The: *See*—  
   Matheson, George L., May, and Baeder. 2,708,516.  
 Sumner, John K.: *See*—  
   Kennette, Heath O., and Sumner. 2,698,671.  
 Sumner, Maurice N.: *See*—  
   Barnett, Frederick W., Sumner, and Cashman. 2,727,293.  
 Sumner, Oscar R., and T. C. Grenfell, to Chas. Pfizer & Co., Inc. 2,725,336, Cl. 167—65.  
 Sun Electric Corp.: *See*—  
   Board, Ralph. 2,703,376.  
   Westberg, Vernon C., and Nilson. 2,710,907.



Sun Oil Co.: *See*—

Ackerman, William A. 2,708,652.  
 Anderson, Frank E. 2,722,543.  
 Baker, Landis C. 2,726,990.  
 Banks, Daniel B. 2,712,426.  
 Brooks, Charles H. 2,720,390.  
 Closs, George M. 2,699,970.  
 Davis, Robert L. 2,720,834.  
 Duhamel, Jay W., and Daily. 2,704,455.  
 Grace, Edward J., Jr. 2,712,641.  
 Harper, James I., and Luther. 2,706,167.  
 Hetzel, Stanford J. 2,698,869.  
 Hill, Claude I. 2,702,208.  
 Johnson, Herbert L. 2,717,265.  
 Jolly, Samuel E. 2,708,660.  
 Jolly, Samuel E. 2,720,539.  
 Kennedy, Robert M. 2,724,728.  
 King, Nelson F. 2,715,570.  
 Kurtz, Stewart S., Jr. 2,723,259.  
 Lassiat, Raymond C. 2,726,938.  
 Lauer, James L. 2,718,480.  
 Lindeman, Myrl A. 2,715,430.  
 Lipkin, Moses R. 2,724,697.  
 Luther, Martin W. 2,724,508.  
 McClure, William L. 2,704,691.  
 McClure, William L. 2,705,664.  
 McKinney, John F., Jr. 2,715,569.  
 McKinney, John F., Jr., and Webster. 2,715,566.  
 Mills, Ivor W. 2,723,289.  
 Ocford, William F., Jr. 2,720,490.  
 Olsen, John L. 2,715,144.  
 Patterson, Omar L. 2,727,682.  
 Patterson, Omar L. 2,728,037.  
 Quist, Harold A. 2,710,624.  
 Quist, Harold A. 2,710,625.  
 Quist, Harold A. 2,717,517.  
 Quist, Harold A. 2,720,888.  
 Rowe, David A. 2,727,001.  
 Rowe, David A. 2,727,002.  
 Schneider, Abraham. 2,712,033.  
 Schneider, Abraham. 2,723,298.  
 Shawhan, Elbert N., and Wright. 2,724,271.  
 Thayer, Clarence H. 2,704,228.  
 Thayer, Clarence H. 2,704,741.  
 Thayer, Clarence H. 2,715,567.  
 Thayer, Clarence H. 2,715,568.  
 Thomas, Charles L. 2,724,703.  
 Thomas, Charles L. 2,727,496.  
 Yetter, Edward W. 2,709,918.  
 Young, Einar T. 2,698,926.

Sun Tool & Machine Co., The: *See*—

Reaser, Warren E. 2,724,219.

Sunbeam Corp.: *See*—

Jepson, Ivar. 2,702,938.  
 Jepson, Ivar. 2,703,381.  
 Jepson, Ivar. 2,714,763.  
 Jepson, Ivar. 2,722,454.  
 Jepson, Ivar. 2,723,452.

Sund, Kenneth A.: *See*—

Mackay, Johnstone S., and Sund. 2,712,492.

Sundberg, Carl W.: *See*—

Kress, George H., and Sundberg. 2,710,473.

Sundberg, Carl W., to Sundberg & Ferar. 2,707,131, Cl. 301—124.

Sundberg & Ferar: *See*—

Sundberg, Carl W. 2,707,131.

Sunde, Conrad J., to N. I. Malmstrom & Co. 2,710,836, Cl. 252—33.6.

Sunden, Stuart O., 40% to P. Fries, Jr. 2,705,458, Cl. 103—53.

Sunderlin, Joseph E., to Westinghouse Electric Corp. 2,727,159, Cl. 307—106.

Sunderlin, Joseph E., to Westinghouse Electric Corp. 2,727,160, Cl. 307—106.

Sundermann, James A., and O. G. Bennett, to the United States of America as represented by the Secretary of the Navy. 2,725,011, Cl. 102—85.6.

Sundholm, Edwin P. 2,714,474, Cl. 222—386.

Sundholm, Edwin P., to Our Saviour's Evangelical Lutheran Church. 2,715,491, Cl. 226—109.

Sundial Broadcasting Corp.: *See*—

Darack, Oscar C. 2,719,219.

Sundlöf, Gustav, to Soderhamns Verkstader Aktiebolag. 2,711,198, Cl. 143—118.

Sundquist, Douglas C., to Watson Mfg. Co., Inc. 2,726,905, Cl. 308—3.8.

Sundsby, Oscar C.: *See*—

Willis, Edward H. 2,706,342.

Sundstrand Machine Tool Co.: *See*—

Wahlmark, Gunnar A. 2,722,889.

Sundstrand Magnetic Products Co.: *See*—

Anderson, Axel. 2,717,080.

Sundstrom, Harold C. 2,722,910, Cl. 119—19.

Sundstrom, Savin L., to The Bastian-Blessing Co. 2,713,874, Cl. 137—513.

Sundt, Edward V., to Sundt Engineering Co. 2,709,745, Cl. 240—2.13.

Sundt, Edward V., to Sundt Engineering Co. 2,710,557, Cl. 84—297.

Sundt Engineering Co.: *See*—

Sundt, Edward V. 2,709,745.

Sundt, Edward V. 2,710,557.

Sunkist Growers, Inc.: *See*—

Wilson, Clarence W. 2,700,047.

Sunland Industries, Inc.: *See*—

Sellers, Robert E., and Morris. 2,701,182.

Sunley, Henry L. G., to Armstrong Siddeley Motors Ltd. 2,711,751, Cl. 137—208.

Sunset-McKee Co.: *See*—

Abbott, Elbert V. 2,723,116.

Sunstein, David E., to Philco Corp. 2,700,156, Cl. 343—13.

Sunstein, David E., to Philco Corp. 2,702,371, Cl. 333—11.

Sunstein, David E., to Philco Corp. 2,705,794, Cl. 343—17.1.

Sunstein, David E., to Philco Corp. 2,718,000, Cl. 343—7.9.

Sunstein, David E., to Philco Corp. 2,728,075, Cl. 343—11.

Sunvic Controls Ltd.: *See*—

Davis, Neville R., and Wetherilt. 2,726,300.

Hall, Colin C. 2,720,598.

Sunway Fruit Products: *See*—

Calabrese, Michael D. 2,725,978.

Suozzo, John: *See*—

Santini, Danilo, and Suozzo. 2,717,056.

Suozzo, John, to Westinghouse Electric Corp. 2,722,672, Cl. 340—20.

Suozzo, John, and A. A. Rosenkrans, to Westinghouse Electric Corp. 2,727,591, Cl. 187—29.

Super Mold Corp. of California: *See*—

Duerksen, Arnold. 2,717,022.

Glynn, Edwin A. 2,718,040.

Super, Ralph K.: *See*—

House, Bryan E., and Super. 2,720,287.

Super, Ralph K., to Rockwell Spring and Axle Co. 2,703,638, Cl. 192—87.

Super, Ralph K., and C. L. Harper, to Rockwell Spring and Axle Co. 2,711,801, Cl. 188—242.

Super Sagless Spring Co.: *See*—

Bank, Albert M. 2,721,337.

Bank, Albert M., and Katz. 2,727,561.

Super-Cut, Inc.: *See*—

Dexter, Wilbur H. 2,725,689.

Superior Oil Co., The: *See*—

Jones, Durward B. 2,709,021.

Superior Pipe Specialties Co.: *See*—

Ford, Alfred, and Overbeke. 2,715,419.

Superior Separator Co.: *See*—

Wolfe, Walter W. 2,712,925.

Superior Sleeprite Corp.: *See*—

Garland, Joseph. 2,727,251.

Superior Switchboard & Devices Co., The: *See*—

Partin, Charles L. 2,718,954.

Superior Tank & Construction Co.: *See*—

Bills, Claud H. 2,706,015.

Fowler, Ralph L. 2,724,597.

Super-Seal Piston Ring Mfg. Corp.: *See*—

Bergeron, Alfred. 2,705,178.

Superweld Corp.: *See*—

Cape, Arthur T., and Jones. 2,727,834.

Warf, James C., and Schaltegger. 2,726,170.

Supinger, William M. 2,703,650, Cl. 210—148.

Supplee-Wills-Jones Milk Co.: *See*—

Finley, William A. 2,718,801.

Supramar A. G.: *See*—

Von Schertel, Hanns. 2,720,180.

Supreme Knitting Machine Co., Inc.: *See*—

Radin, Jack. 2,710,527.

Supreme Products, Inc.: *See*—

Bridenbaugh, Paul K. 2,703,930.

Bridenbaugh, Paul K. 2,712,084.

Surratt, Wade T.: *See*—

Rideout, Amos H., and Surratt. 2,711,906.

Surdanik, Michael J. 2,710,432, Cl. 20—69.

Surface Combustion Corp.: *See*—

Beggs, Donald. 2,712,981.

Bergmann, Richard L. 2,704,188.

Dailey, William H., Jr. 2,717,732.

Kelley, Gilbert A., and Rahm. 2,700,536.

Knight, Philip L. 2,700,380.

Manor, Paul A., and Siddle. 2,712,352.

Martin, Donald F. 2,714,552.

Milbourne, Charles G., and Spengler. 2,711,419.

Munford, Theodore W. 2,707,628.

Sisco, Carl W. 2,698,717.

Ward, Mark E. 2,705,996.

Weller, Harvey C., and Sykes. 2,711,616.

Surmatis, Joseph D., and J. Weber, to Hoffmann-La Roche Inc. 2,723,278, Cl. 260—345.5.

Surpierre, Léon. 2,721,632, Cl. 189—36.

Surprenant Mfg. Co.: *See*—

Donnan, Robert A. 2,714,364.

Surratt, Julian H. 2,716,876, Cl. 66—9.

Surratt, Ralph C.: *See*—

Beaman, Vern G., and Surratt. 2,712,764.

Surrey, Alexander R.: *See*—

Dennis, Emery W., and Surrey. 2,714,106.

Sury, Ernst: *See*—

Hoffmann, Karl, and Sury. 2,727,897.

Susemihl, Rolf. 2,712,743, Cl. 66—1.

Susil, Charles M. 2,727,335, Cl. 47—1.

Suskin, Howard H.: *See*—

Hanson, Louis P., and Suskin. 2,726,296.

Suskind, Philip A. 2,703,002, Cl. 72—0.5.

Suson, Isadore. 2,708,967, Cl. 160—298.

Sussenbach, Paul S.: *See*—

Ferguson, William C., and Sussenbach. 2,700,631.

Sussenbach, Paul S., to The Presstite Engineering Co. 2,718,691, Cl. 29—526.

Sussman, Harry, and J. Klinger, to Telectro Industries Corp. 2,727,216, Cl. 339—94.



- Sussman, Max. 2,711,471, Cl. 219—38.  
 Sussman, Renette. 2,719,976, Cl. 2—43.  
 Sutcliffe, Arthur: *See*—  
   Butler, Edward S., and Sutcliffe. 2,715,920.  
   Schofield, Fred B., and Sutcliffe. 2,709,457.  
 Sutcliffe, Richard, Ltd.: *See*—  
   Barnish, Leonard S. 2,724,490.  
 Suter, Hans, and E. Habicht, to Cilag Ltd. 2,707,185, Cl. 260—256.4.  
 Suter, Hans, and E. Habicht, to Cilag Ltd. 2,708,677, Cl. 260—490.  
 Suter, Hans, and H. Zutter, to Cilag Ltd. 2,711,424, Cl. 260—520.  
 Suter, Hans, E. Habicht, and W. Kündig, to Cilag Ltd. 2,712,014, Cl. 260—247.2.  
 Suter, Harold R., and R. J. Ruff. 2,720,494, Cl. 252—470.  
 Suter, Oswald, to Technical Oil Tool Corp., Ltd. 2,706,860, Cl. 33—205.5.  
 Suthann, Robert A., to Hydro-Aire, Inc. 2,713,986, Cl. 251—86.  
 Suther, George A.: *See*—  
   Hawley, Mones E., and Suther. 2,724,766.  
 Sutherland, Gail R., to Deere Mfg. Co. 2,708,822, Cl. 56—377.  
 Sutherland, Hazel E. 2,721,407, Cl. 38—117.  
 Sutherland Paper Co.: *See*—  
   Buttery, Kenneth T. 2,701,090.  
   Buttery, Kenneth T. 2,706,075.  
   Buttery, Kenneth T. 2,707,586.  
   Buttery, Kenneth T. 2,712,409.  
   Buttery, Kenneth T., and Coe. 2,727,620.  
   Buttery, Kenneth T., and Vander Lugt. 2,711,844.  
   Buttery, Kenneth T., and Vander Lugt. 2,712,882.  
   Buttery, Kenneth T., and Vander Lugt. 2,719,650.  
   Lighter, Stephen. 2,712,889.  
   Stenger, Richard C. 2,711,677.  
   Vander Lugt, Thomas, Jr. 2,701,076.  
   Vander Lugt, Thomas, Jr. 2,711,819.  
 Sutherland, William M.: *See*—  
   Russell, John A., Bouillé, Sutherland, and Hamlin. 2,721,067.  
 Sutherlin, Jack, to The Dow Chemical Co. 2,703,619, Cl. 166—42.  
 Sutliff, Wayne N. 2,708,100, Cl. 255—28.  
 Sutowski, Walter S. 2,726,899, Cl. 301—5.7.  
 Suttentfield, Frank T.: *See*—  
   Hayden, Martin W., MacIsaac, Suttentfield, and Simpson. 2,712,907.  
 Sutter, Francis E., to General Motors Corp. 2,701,601, Cl. 152—388.  
 Sutter, Paul, to Ciba Ltd. 2,722,530, Cl. 260—277.  
 Sutter, Robert C., to Diamond Alkali Co. 2,700,431, Cl. 183—115.  
 Sutterfield, Noel H., and A. Elo, to General Controls Co. 2,722,881, Cl. 98—41.  
 Sutton, Barbara: *See*—  
   Trusler, Ralf B., and Sutton. 2,704,731.  
 Sutton, Dudley G., to Dowty Auto Units Ltd. 2,713,773, Cl. 60—52.  
 Sutton, Ernest B., and C. M. Dunham. 2,712,878, Cl. 214—313.  
 Sutton, Gerald J., to The National Marking Machine Co. 2,716,748, Cl. 1—2.  
 Sutton, Hugh M.: *See*—  
   Malone, Carl E. 2,716,809.  
 Sutton, James C., Sr. 2,718,046, Cl. 26—63.  
 Sutton, Leonard V. B.: *See*—  
   McCullough, James N., and Halle, and Walter. 2,699,493.  
 Sutton, Llewellyn P. 2,718,886, Cl. 128—84.  
 Sutton, Mack, to Standard Oil Co. 2,727,050, Cl. 260—413.  
 Sutton, O. A., Corp., Inc., The: *See*—  
   Jewell, Bernard W. 2,711,080.  
   Jewell, Bernard W. 2,717,139.  
 Sutton, Oral K. 2,699,688, Cl. 74—722.  
 Sutton, Peter, to Rolls-Royce Ltd. 2,712,967, Cl. 308—187.  
 Sutton, Robert W., to Bendix Aviation Corp. 2,719,519, Cl. 123—122.  
 Sutton, Stanford M.: *See*—  
   Haskell, Frederic V., Sutton, and Walter. 2,703,218.  
 Sutton, Steele and Steele: *See*—  
   Gear, Harry C. 2,722,312.  
 Sutton, William M. 2,706,481, Cl. 128—253.  
 Suzuki, Sakuta, and M. Hamano. 2,715,354, Cl. 88—57.  
 Svala, Carl G.: *See*—  
   Hård, Hans B., and Svala. 2,718,621.  
 Svalgaard, John W. 2,710,338, Cl. 240—59.  
 Svalgaard, John W. 2,722,736, Cl. 30—1.5.  
 Svatý, Vladimír, to Mira zavody na pletene a stavkove zboží, národní podnik. 2,720,223, Cl. 139—127.  
 Svebel, Albert. 2,714,847, Cl. 98—58.  
 Svendsen, Konrad S., to Combustion Engineering, Inc. 2,699,293, Cl. 241—36.  
 Svenska Aeroplan Aktiebolaget: *See*—  
   Hartman, Dag, and Bratt. 2,715,335.  
   Sylvan, Per B. 2,709,921.  
 Svenska Aktiebolaget Bromsregulator: *See*—  
   Malmquist, Nils G. A. 2,724,586.  
 Svenska Aktiebolaget Gasaccumulator: *See*—  
   Aversten, Karl J. 2,711,798.  
   Aversten, Karl J. 2,711,915.  
   Aversten, Karl J. 2,712,049.  
   Beer, Palle F. 2,728,003.  
   Bergström, Emil A. 2,702,253.  
   Granqvist, Carl-Erik. 2,728,076.  
   Holm, Bengt L. 2,721,998.  
   Österman, Karl, and Arnberg. 2,717,569.  
   Svenson, Knut. 2,700,529.  
 Svenska Cellulosaforeningens Centrallaboratorium (Cellulosa-industriens Centrallaboratorium): *See*—  
   Hägglund, Erik K. M., and Enkvist. 2,711,430.  
 Svenska Rotor Maskiner Aktiebolaget: *See*—  
   Mudersbach, Ernst H. 2,726,849.  
 Svenska Skofabrikantforeningen: *See*—  
   Rylander, Uno B. 2,711,106.  
   Rylander, Uno B. 2,717,021.  
 Svenson, Eric B., to Joseph Dixon Crucible Co. 2,706,934, Cl. 93—1.  
 Svenson, Ernest J. 2,700,561, Cl. 286—7.  
 Svenson, Ernest J. 2,716,888, Cl. 73—116.  
 Svenson, Knut, to Svenska Aktiebolaget Gasaccumulator. 2,700,529, Cl. 251—177.  
 Svenson, Sven E., to Hoffmann-La Roche Inc. 2,705,496, Cl. 128—261.  
 Svensson, Fritz A.: *See*—  
   Wennerbo, Erik, and Svensson. 2,722,426.  
 Svensson, Harry S., to LKB Produkter Fabriksaktiebolag. 2,703,033, Cl. 88—14.  
 Svensson, Svante H., to LKB-Produkter Fabriksaktiebolag. 2,701,961, Cl. 73—53.  
 Svetahor, Alexander H.: *See*—  
   Zappone, John B., and C. F., and Svetahor. 2,728,117.  
 Swackhamer, Robert H. 2,717,528, Cl. 87—33.  
 Swadburgh, Samuel B., to D. Belford. 2,710,462, Cl. 36—71.  
 Swain, Ansel P., to McNeil Laboratories, Inc. 2,701,797, Cl. 260—294.  
 Swain, Irving T., to Western Electric Co., Inc. 2,718,780, Cl. 73—49.2.  
 Swain, Kenneth W., to The Chase-Shawmut Co. 2,713,098, Cl. 200—120.  
 Swakon, Edward A., and C. G. Brannen, to Standard Oil Co. 2,710,839, Cl. 252—49.6.  
 Swakon, Edward A., and C. G. Brannen, to Standard Oil Co. 2,710,840, Cl. 252—49.6.  
 Swakon, Edward A., and C. G. Brannen, to Standard Oil Co. 2,710,841, Cl. 252—51.5.  
 Swallow, Herbert A., to Union Carbide and Carbon Corp. 2,698,962, Cl. 18—2.  
 Swaminathan, Sambasiva: *See*—  
   Newman, Melvin S., and Swaminathan. 2,714,615.  
 Swan, Lewis D., to E. I. du Pont de Nemours and Co. 2,706,845, Cl. 26—1.  
 Swan, Merrill, to United Geophysical Corp. 2,717,368, Cl. 340—15.  
 Swan, Richard J., to Engis Ltd. 2,709,323, Cl. 51—193.7.  
 Swan, Richard J., to Engis Equipment Co. 2,713,759, Cl. 51—193.7.  
 Swaney, Carroll R., to Nash Engineering Co. 2,707,459, Cl. 122—451.  
 Swaney, William A., to United States Steel Corp. 2,705,188, Cl. 23—200.  
 Swank, Howard C., to General Motors Corp. 2,724,578, Cl. 257—8.  
 Swank, Inc.: *See*—  
   Biagi, Leon J. 2,713,706.  
   Le Blanc, Henry J. 2,718,326.  
 Swank, Richard E. 2,707,345, Cl. 40—65.  
 Swann, Edward R., to The Hoover Co. 2,705,054, Cl. 183—51.  
 Swann, James S., to Standard Railway Equipment Mfg. Co. 2,724,154, Cl. 20—26.  
 Swann, James S., to Standard Railway Equipment Mfg. Co. 2,727,636, Cl. 213—166.  
 Swanson, Carl G. A.: *See*—  
   Thweatt, Hardin D., and Swanson. 2,728,453.  
 Swanson, Charles H.: *See*—  
   Fischer, Paul E., Hedin, Swanson, and Wissman. 2,726,498.  
   Fischer, Paul E., Hedin, Swanson, and Wissman. 2,726,499.  
 Swanson, George J.: *See*—  
   Hennessey, Walter F., Jr., and Swanson. 2,719,876.  
 Swanson, George J., W. A. Uline, and E. Kokalas, to Bendix Aviation Corporation. 2,715,212, Cl. 339—60.  
 Swanson, George J., and E. Kokalas, to Bendix Aviation Corp. 2,716,744, Cl. 339—262.  
 Swanson, George J., and W. F. Hennessey, Jr., to Bendix Aviation Corp. 2,719,736, Cl. 285—22.  
 Swanson, Gunnar E. 2,715,541, Cl. 292—246.  
 Swanson, Harold S., to Standard Process Corp. 2,698,832, Cl. 204—224.  
 Swanson, Herbert F.: *See*—  
   Michaels, Harold A., and Swanson. 2,715,898.  
 Swanson, Herman A., Jr., to Phillips Petroleum Co. 2,709,539, Cl. 222—108.  
 Swanson, Jalmer E., to Graver Tank & Mfg. Co., Inc. 2,728,694, Cl. 127—13.  
 Swanson, James A.: *See*—  
   Hesson, James C., Smith, and Swanson. 2,720,170.  
 Swanson, Kenneth P. 2,704,393, Cl. 29—148.4.



- Swanson, Kenneth P., to Textile Engineering Corp. 2,716,780, Cl. 19—142.
- Swanson, Linwood B.: *See*—  
Sloan, Harry E., and Swanson. 2,703,242.
- Swanson, Merrill E.: *See*—  
Noddin, George A., and Swanson. 2,707,437.
- Swanson, Oscar W., to Underwood Corp. 2,710,139, Cl. 235—60.
- Swanson, Ralph D. 2,706,941, Cl. 97—227.
- Swanson, Sven V., to Tyler Refrigeration Corp. 2,706,387, Cl. 62—117.4.
- Swanson, Sven V., to Tyler Refrigeration Corp. 2,725,726, Cl. 62—89.5.
- Swanson, Willis R., to Control Cells Corp., Inc. 2,709,790, Cl. 336—30.
- Swanton, John J. 2,704,899, Cl. 36—55.
- Swanton, John R., Jr.: *See*—  
Jackson, Thomas S., and Swanton. 2,713,252.
- Swarthout, Walter M.: *See*—  
Shoultes, Donald P., and Swarthout. 2,727,990.
- Swartz, Dick. 2,725,210, Cl. 248—354.
- Swartz, James J.: *See*—  
Russell, Irving H., Swartz, and Atherton. 2,710,621.
- Swartz, John H., and H. M. Purcell, to Linear, Inc. 2,707,118, Cl. 286—11.16.
- Swartz, Marvin H.: *See*—  
Campo, Joseph M. 2,727,798.
- Swartz, Sophia. 2,701,368, Cl. 2—243.
- Swartz, Sophia. 2,704,368, Cl. 2—207.
- Swartzberg, Irvin: *See*—  
Siegal, Norman A. 2,713,960.
- Swartzlander, Virgil P. 2,702,518, Cl. 116—57.
- Swedberg, Vernon K.: *See*—  
Schmitt, Roland G., and Swedberg. 2,728,570.
- Swedlund, Lloyd E., to Radio Corp. of America. 2,728,012, Cl. 313—92.
- Sweeney, B. K., Mfg. Co.: *See*—  
Able, Edward T. 2,712,255.
- Sweeney, Francis J.: *See*—  
Merwin, Harry H., and Sweeney. 2,704,914.
- Sweeney, Maxwell P., to United Engineers & Constructors Inc. 2,720,526, Cl. 260—290.
- Sweet, Cecil H., to Sweet Oil Well Equipment, Inc. 2,699,214, Cl. 166—199.
- Sweet, Harold C. 2,702,727, Cl. 304—4.
- Sweet, James G. 2,704,839, Cl. 340—87.
- Sweet, James L.: *See*—  
Kardos, Otto, Menzel, and Sweet. 2,712,522.
- Sweet Oil Well Equipment, Inc.: *See*—  
Sweet, Cecil H. 2,699,214.
- Sweet, Ray D., to The Singer Mfg. Co. 2,722,184, Cl. 112—67.
- Sweet, Sterling S.: *See*—  
Scott, Kenneth W., Sweet, and Van Horn. 2,703,290.
- Sweet, Sterling S., M. H. Van Horn, and P. T. Newsome, to Eastman Kodak Co. 2,710,848, Cl. 260—31.2.
- Sweet, Webster C. 2,723,031, Cl. 209—335.
- Sweetland Corp.: *See*—  
Affleck, Theodore H. 2,717,612.
- Sweetman, William G. 2,708,408, Cl. 102—20.
- Sweetser, Sumner B.: *See*—  
Bronson, Stanley O., II, Morbeck, and Sweetser. 2,717,857.
- Bronson, Stanley O., II, Morbeck, and Sweetser. 2,717,858.
- Sweetser, Sumner B., S. O. Bronson, II, and R. C. Morbeck, to Esso Research and Engineering Co. 2,724,684, Cl. 196—28.
- Sweigert, Leon M., to G. R. Rightmeyer. 2,715,291, Cl. 43—25.
- Sweitzer, Carl W., to Columbian Carbon Co. 2,707,672, Cl. 23—209.1.
- Sweitzer, Carl W., to Columbian Carbon Co. 2,707,674, Cl. 23—209.9.
- Sweitzer, Carl W., and P. J. Melore, to Columbian Carbon Co. 2,707,673, Cl. 23—209.1.
- Swenson, Alfred G., to General Electric Co. 2,727,322, Cl. 38—90.
- Swenson, Alfred G., and F. E. Finlayson, to General Electric Co. 2,723,336, Cl. 219—25.
- Swenson, Carl A. 2,702,963, Cl. 46—40.
- Swenson, Carl E., to Borg-Warner Corp. 2,717,677, Cl. 192—45.1.
- Swenson, Carl E., to Borg-Warner Corp. 2,724,472, Cl. 192—45.1.
- Swenson, Edward R.: *See*—  
Puls, Alfred E., and Swenson. 2,702,222.
- Swenson, John, Granite Co., Inc.: *See*—  
Swenson, Omar S. 2,724,379.
- Swenson, Omar S., to The John Swenson Granite Co., Inc. 2,724,379, Cl. 125—7.
- Swenson, Oscar J. 2,700,222, Cl. 33—126.5.
- Swenson, Thure R., to R. T. Moloney. 2,718,627, Cl. 339—276.
- Swensson, Karl H. W. 2,702,439, Cl. 40—108.
- Swentzel, John P.: *See*—  
Logan, Iva M., and Swentzel. 2,706,382.
- Swercewski, Joseph S.: *See*—  
De Bonville, Arthur L., and Swercewski. 2,716,834.
- Swern, Daniel, to the United States of America as represented by the Secretary of Agriculture. 2,715,132, Cl. 260—410.6.
- Swett, Leo R.: *See*—  
Schock, Richard U., Swett, and Glenn. 2,714,597.
- Swezey, Arthur W., to The Dow Chemical Co. 2,712,990, Cl. 71—2.3.
- Swezey, Arthur W., to The Dow Chemical Co. 2,712,991, Cl. 71—2.3.
- Swezey, Arthur W., to The Dow Chemical Co. 2,714,063, Cl. 71—2.3.
- Swicker, Stanley A. 2,717,951, Cl. 219—19.
- Swift, Clifford L.: *See*—  
Orr, Palmer, and Swift. 2,708,017.
- Swift, Clifford L., to Borg-Warner Corp. 2,722,141, Cl. 74—763.
- Swift & Co.: *See*—  
Adams, Jack, and Darrow. 2,700,792.
- Adams, Jack, Hensgen, and Clemens. 2,718,906.
- Clardy, Le Roy. 2,707,770.
- Coughenour, Kenneth M. 2,715,749.
- Essary, Eskel O., and Darrow. 2,718,872.
- Gibson, Paul. 2,715,613.
- Hensgen, Bernard T. 2,727,616.
- Hensgen, Bernard T., Vanden Bosch, Lederer, and Wood. 2,717,212.
- Lentz, Irvin R., and Van Dolah. 2,714,223.
- Long, Harry J. 2,727,273.
- Luce, Stewart B. 2,698,801.
- Luce, Stewart B. 2,709,162.
- Palmer, William E. 2,701,077.
- Patterson, William J., and Weissenstein. 2,712,671.
- Petersen, Lowell W. 2,702,594.
- Rueckert, Dean E. 2,698,800.
- Van Dolah, Delos B., and Lentz. 2,716,257.
- Swift Electric Welder Co.: *See*—  
Lewis, Alfred H. 2,713,626.
- Swift, Freeman R.: *See*—  
Schultz, Alfred S., and Swift. 2,717,837.
- Swift, George W., Jr., Inc.: *See*—  
Bruker, Hobart W. 2,710,044.
- Bruker, Hobart W. 2,710,045.
- Bruker, Hobart W., and Black. 2,718,712.
- Swift, John F., and C. A. Lindblom, to International Harvester Co. 2,724,973, Cl. 74—15.84.
- Swift, Lawrence M., to Institute of Inventive Research. 2,713,395, Cl. 181—0.5.
- Swift, Willard E., and R. K. Gardner, to The Foxboro Co. 2,717,516, Cl. 73—220.
- Swiggum, Sylvan J. 2,714,524, Cl. 296—23.
- Swimmer, Jerome. 2,710,243, Cl. 23—75.
- Swinburne, James, to Carrier Corp. 2,724,245, Cl. 62—115.
- Swindall, Billie: *See*—  
Chapman, Thomas M. 2,707,832.
- Swineheart, James E., to Medical Specialties, Inc. 2,717,592, Cl. 128—17.
- Swingfire (Bahamas) Ltd.: *See*—  
Haag, Franz A., and Huber. 2,719,580.
- Huber, Ludwig, and Lafferentz. 2,708,926.
- Huber, Ludwig R. 2,717,637.
- Huber, Ludwig R., and Haag. 2,701,950.
- Lafferentz, Bodo, Huber, and Strittmatter. 2,707,515.
- Lafferentz, Bodo, Huber, and Strittmatter. 2,715,436.
- Swingle, Harold R. 2,702,979, Cl. 56—59.
- Swingspout Measure Co.: *See*—  
Rives, Halcold D. 2,717,102.
- Swipp, Stanley W., C. J. Koepfer, A. A. Kester, and E. O. Olson, to the United States of America as represented by the Secretary of the Army. 2,720,818, Cl. 89—1.7.
- Swish Products Ltd.: *See*—  
Hankin, Robert W., and Osborne. 2,727,272.
- Swiss Knitting Co.: *See*—  
Kattermann, Emil D. 2,699,055.
- Kattermann, Emil D. 2,715,327.
- Switzer, Harold K. 2,727,248, Cl. 4—187.
- Switzer, Joseph L.: *See*—  
Henke, Carl E. 2,718,016.
- Henke, Carl E. 2,722,347.
- Switzer, Robert C.: *See*—  
Henke, Carl E. 2,718,016.
- Henke, Carl E. 2,722,347.
- Swope, Helen M.: *See*—  
Perry, Eugene L. 2,702,497.
- Swope, Sharswood. 2,706,836, Cl. 20—2.
- Sydney-Thomas Corp.: *See*—  
Makrauer, Irvin. 2,721,691.
- Sykes, Allen H. 2,709,579, Cl. 261—41.
- Sykes, Allen H. 2,716,971, Cl. 123—46.
- Sykes, Allen H. 2,722,293, Cl. 188—244.
- Sykes, Arthur, to David Brown & Sons (Huddersfield), Ltd. 2,704,492, Cl. 90—4.
- Sykes, C. S.: *See*—  
Howard, Kenneth C. 2,724,205.
- Sykes, Clarke C.: *See*—  
Weller, Harvey C., and Sykes. 2,711,616.
- Sykes, Henry, Ltd.: *See*—  
Paish, Harold P. S. 2,717,040.
- Sykes, Hollister B.: *See*—  
Pappas, George F., Sykes, and Holmer. 2,702,696.
- Sykes, Hollister B., to Standard Oil Development Co. 2,703,015, Cl. 73—422.
- Sykes, Jerome W. 2,725,638, Cl. 33—185.
- Sylvan, Joseph. 2,717,063, Cl. 189—46.
- Sylvan, Joseph. 2,719,585, Cl. 160—90.
- Sylvan, Joseph. 2,719,614, Cl. 189—75.
- Sylvan, Joseph. 2,719,615, Cl. 189—75.
- Sylvan, Per B., to Svenska Aeroplan Aktiebolaget. 2,709,921, Cl. 74—5.6.
- Sylvander, Frederick B., to Bendix Aviation Corp. 2,699,539, Cl. 340—268.



- Sylvander, Nels E., and S. A. Jones, to Pittsburgh Consolidation Coal Co. 2,716,042, Cl. 302—42.
- Sylvania Electric Products Inc.: *See*—
- Alessi, Patrick A. 2,727,217.
- Baker, Harold E., and Brooks. 2,721,422.
- Barrett, Lewis W., and Kingston. 2,725,127.
- Bingeman, Wilbur H., and Quigley. 2,722,625.
- Bracco, Donato J., and Watson. 2,712,751.
- Browne, Garrett D., III. 2,699,594.
- Butler, Keith H., and Davis. 2,728,731.
- Butler, Keith H., and Homer. 2,728,730.
- Butler, Keith H., and Rulon. 2,722,511.
- Caffiaux, Jean A., and Hannahs. 2,720,578.
- Childers, Alida H., and Gold. 2,711,390.
- Dodge, Erle H., and Corwin. 2,699,279.
- Dodge, Erle H., and Kimball. 2,726,799.
- Ely, George L. 2,725,126.
- Fleming, Raymond E. 2,723,922.
- Gartner, Stanley J. 2,699,831.
- Gartner, Stanley J. 2,727,122.
- Gartner, Stanley J., and Zwald. 2,717,092.
- Goeser, Paul A. 2,704,451.
- Gungle, Warren C., and Cleary. 2,728,870.
- Haas, Paul. 2,699,659.
- Haas, Paul. 2,728,017.
- Haegle, Rowland W. 2,713,117.
- Hoffman, Milton C. 2,699,426.
- Jimenez, Rudolph. 2,709,294.
- Kates, Leonard W. 2,720,458.
- Koury, Frederic. 2,721,834.
- Larson, H. William. 2,724,071.
- Marshall, Chester B., and Hetrick. 2,727,540.
- Midgley, Eric L., and Richardson. 2,721,373.
- Midgley, Eric L., and Young. 2,721,584.
- Morin, Joseph R. 2,728,871.
- Moses, Robert C. 2,710,310.
- O'Neill, George D. 2,707,750.
- O'Neill, George D. 2,707,771.
- Peek, Sanford C. Jr., and Biggs. 2,698,501.
- Petersen, Lowell W. 2,704,120.
- Powell, Lee A., Regec, and Roeber. 2,709,414.
- Reiter, William L., Gartner, and Roeber. 2,718,095.
- Rinn, Frederick H. 2,722,619.
- Shaffer, Francis N., and Davis. 2,723,958.
- Walker, Richard M. 2,706,278.
- Walker, Richard M. 2,722,661.
- Wanner, Louis R. 2,727,218.
- Winfield, William S. 2,726,326.
- Sylvester, Herbert S., to Colgate-Palmolive Co. 2,706,180, Cl. 252—137.
- Sylvester Processes, Inc.: *See*—
- Schoenlaub, Robert A. 2,721,116.
- Symington-Gould Corp., The: *See*—
- Blattner, Emil H. 2,700,454.
- Blattner, Emil H. 2,710,750.
- Blattner, Emil H. 2,720,987.
- Blattner, Emil H. 2,721,771.
- Blattner, Emil H. 2,727,635.
- Conch, Glenn F. 2,720,848.
- Symon, Keith R.: *See*—
- Russell, Carl M., and Symon. 2,706,251.
- Symons, Arthur H., to Symons Clamp & Mfg. Co. 2,702,422, Cl. 25—131.
- Symons, Arthur H., to Symons Clamp & Mfg. Co. 2,715,257, Cl. 25—131.
- Symons Clamp & Mfg. Co.: *See*—
- Symons, Arthur H. 2,702,422.
- Symons, Arthur H. 2,715,257.
- Synco Corp.: *See*—
- Andreae, Maynard R. 2,725,692.
- Synco Machine Co.: *See*—
- Bruestle, Carl O. 2,705,111.
- Bruestle, Carl O. 2,712,381.
- Bruestle, Carl O. 2,723,744.
- O'Grady, Joseph V. 2,726,971.
- Synek, Viktor: *See*—
- Palmgren, Nils A., and Synek. 2,703,738.
- Synek, Viktor, to SKF Industries, Inc. 2,712,480, Cl. 308—180.
- Syntex S. A.: *See*—
- Djerassi, Carl, Rosenkranz, Kaufmann, Pataki, and Romo. 2,705,237.
- Djerassi, Carl, Rosenkranz, and Romo. 2,698,854.
- Romo, Jesus, Rosenkranz, and Djerassi. 2,702,297.
- Rosenkranz, George, and Djerassi. 2,703,805.
- Rosenkranz, George, and Djerassi. 2,715,637.
- Rosenkranz, George, Romo, and Stork. 2,712,027.
- Sondheimer, Franz, Djerassi, Rosenkranz, and Mancera. 2,702,291.
- Syntron Co.: *See*—
- Alvord, Grove D. 2,726,341.
- Richards, Archer W., and Osterhus. 2,727,407.
- Spurlin, William V. 2,718,957.
- Syracuse, Frances P. 2,700,778, Cl. 5—336.
- Syrov, Augustin J.: *See*—
- Iavelli, Teno, Syrov, and Couture. 2,701,948.
- Szabo, Joseph L., and W. F. Bruce, to American Home Products Corp. 2,709,700, Cl. 260—239.1.
- Szabo, Joseph L., and W. F. Bruce, to American Home Products Corp. 2,715,624, Cl. 260—253.
- Szady, Leopold T., to Formsprag Co. 2,705,066, Cl. 192—45.1.
- Szady, Leopold T., to Formsprag Co. 2,707,038, Cl. 192—41.
- Szady, Leopold T., to Formsprag Co. 2,711,238, Cl. 192—45.1.
- Szady, Leopold T., to Formsprag Co. 2,715,262, Cl. 29—414.
- Szafran, Adolph C., and R. L. Imboden, to General Electric Co. 2,716,742, Cl. 339—145.
- Szajna, John L.: *See*—
- Berg, Theodore, and Szajna. 2,727,135.
- Szakacs, Joseph J. 2,724,356, Cl. 114—39.
- Szalkowski, Mitchell A.: *See*—
- Wolf, Irwin, and Szalkowski. 2,725,503.
- Szayna, Antoni: *See*—
- Ladd, Elbert C., Harvey, Cable, and Szayna. 2,725,411.
- Szczepanek, John. 2,699,288, Cl. 230—149.
- Szczepanski, Harry. 2,728,322, Cl. 118—326.
- Szczepanski, Henry F., and W. R. Albright. 2,717,566, Cl. 112—214.
- Szegvari, Andrew, to Clevite Corp. 2,719,009, Cl. 241—16.
- Szekely, George E.: *See*—
- Risley, Roger E., and Szekely. 2,701,730.
- Szekely, George J., 1/2 to Crest Laboratories, Incorporated, and 1/2 to S. K. Transformer Company. 2,715,094, Cl. 204—20.
- Szeligo, Vincent C.: *See*—
- Kupchak, Peter. 2,704,405.
- Szent-Gyorgyi, Albert E. and A. G., to Armour and Co. 2,721,860, Cl. 260—112.
- Szent-Gyorgyi, Andrew G.: *See*—
- Szent-Gyorgyi, Albert E. and A. G. 2,721,860.
- Sziklai, George C., to Radio Corp. of America. 2,704,783, Cl. 178—5.4.
- Sziklai, George C., to Radio Corp. of America. 2,713,606, Cl. 178—5.4.
- Sziklai, George C., to Radio Corporation of America. 2,715,153, Cl. 178—5.4.
- Sziklai, George C., to Radio Corp. of America. 2,720,811, Cl. 88—14.
- Sziklai, George C., to Radio corp. of America. 2,725,418, Cl. 178—5.4.
- Sziklai, George C., to Radio Corp. of America. 2,725,425, Cl. 178—43.5.
- Sziklai, George C., to Radio Corp. of America. 2,728,857, Cl. 250—36.
- Szilard, Leo: *See*—
- Fermi, Enrico, and Szilard. 2,708,656.
- Szillage, Kalman, to Gardex, Inc. 2,728,598, Cl. 294—53.5.
- Szundy, Alexandre. 2,710,307, Cl. 136—106.
- Szwarc, Michael M., and A. N. Roper, to Petrocarbon Ltd. 2,712,532, Cl. 260—2.
- Szymczak, Stanley A. 2,711,125, Cl. 97—35.
- T & C Aircraft Corp.: *See*—
- Liljengren, Curtis P. 2,702,071.
- "T. I. M." (Ticket-Issue Machines) Ltd.: *See*—
- Ford, Harold F. 2,698,572.
- T-K Corp.: *See*—
- Teetor, Macy O. 2,726,110.
- T. M. M. (Research) Ltd.: *See*—
- Chamberlain, Norman H., and King. 2,724,231.
- Chamberlain, Norman H., and King. 2,725,709.
- Schofield, Fred B., and Sutcliffe. 2,709,457.
- Watson, William H., Osbaldeston, and Buckley. 2,728,113.
- T-Z Railway Equipment Co.: *See*—
- Andersen, George R. 2,703,262.
- Taber, Ralph F. 2,714,307, Cl. 73—100.
- Taber, Robin E.: *See*—
- Holmes, Frederick T., and Taber. 2,715,813.
- Tablet and Ticket Co., The: *See*—
- Mackintosh, George L. 2,703,548.
- Spielmann, Willson A., and Hughes. 2,716,298.
- Tabor Mfg. Co., The: *See*—
- Wiehnsner, Raymond H. 2,726,428.
- Tabor, Warner H., to Dixon Lubricating Saddle Co. 2,712,909, Cl. 242—130.
- Tabrah, Frank L. 2,726,657, Cl. 128—321.
- Taccone Pneumatic Foundry Equipment Corp.: *See*—
- Taccone, Russell W. 2,698,976.
- Taccone, Russell W. 2,715,758.
- Taccone, Russell W., to Taccone Pneumatic Foundry Equipment Corp. 2,698,976, Cl. 22—42.
- Taccone, Russell W., to Taccone Pneumatic Foundry Equipment Corp. 2,715,758, Cl. 22—42.
- Tack, Carl E., to American Steel Foundries. 2,702,102, Cl. 188—206.
- Tack, Carl E., to American Steel Foundries. 2,706,021, Cl. 188—221.1.
- Tack, Carl E., to American Steel Foundries. 2,707,534, Cl. 188—222.6.
- Tack, Carl E., and D. E. Cummings, to American Steel Foundries. 2,702,097, Cl. 188—59.
- Tack, Carl E., and W. J. Casey, III, to American Steel Foundries. 2,708,491, Cl. 188—59.
- Tackaberry, Middleton J. 2,716,964, Cl. 120—89.
- Taco Heaters, Inc.: *See*—
- Hencken, Harold G. 2,722,942.
- Hencken, Harold G., and Schoerner. 2,713,973.
- Schoerner, Rudolph T. 2,721,706.
- Tadd, Roy W. 2,698,677, Cl. 189—46.
- Tadd, Roy W. 2,716,472, Cl. 189—46.
- Taddeo, William, to Bethlehem Steel Co. 2,705,630, Cl. 266—42.
- Taesler, Rudolf, to Zeiss Ikon A. G. 2,715,351, Cl. 88—1.5.
- Taeyarts, Jan, to Precision Diamond Tool Co. 2,716,404, Cl. 125—39.



- Tafel, Robert W., and R. Friedman, to the United States of America as represented by the Secretary of the Navy. 2,718,451, Cl. 346—107.
- Taft-Peirce Mfg. Co., The: *See*—  
Miller, Paul V. 2,704,917.
- Tager, Milton E. 2,720,020, Cl. 28—70.
- Taggart, Donald C., to The General Cellulose Co., Inc. 2,707,289, Cl. 5—354.
- Taggart, James C.: *See*—  
Taggart, John K. and J. C. 2,711,292.
- Taggart, John K. and J. C. 2,711,292, Cl. 242—84.4.
- Taggart, Robert W. 2,705,759, Cl. 307—105.
- Tagliaferri, Dominick P. 2,705,904, Cl. 88—87.
- Tagliaferri, Frank P.: *See*—  
Gier, Francis T., and Tagliaferri. 2,721,575.
- Tagmann, Eugen: *See*—  
Hoffmann, Karl, and Tagmann. 2,702,293.  
Hoffman, Karl, and Tagmann. 2,711,412.
- Tailer, Peter L. 2,725,715, Cl. 58—55.
- Tailleux, Rodolfo J., to Gulf Oil Corp. 2,713,032, Cl. 252—8.5.
- Taipale, Waino O. 2,717,411, Cl. 16—114.
- Tait-Clark-Streich Machiney Corp.: *See*—  
Streich, Philip A., Clark, and Tait. 2,716,776.
- Tait, Emmitt P.: *See*—  
Streich, Philip A., Clark, and Tait. 2,716,776.
- Tait, Raymond C. 2,708,400, Cl. 100—226.
- Takahashi, Kiyoshi, and T. Ueda, to Dainippon Pharmaceutical Co., Ltd. 2,701,812, Cl. 260—440.
- Talbot, Frank A. 2,714,153, Cl. 240—104.
- Talbot, Henry J., to Dorr-Oliver Inc. 2,723,760, Cl. 210—55.
- Talbot, Howard H., to United Engineering & Foundry Co. 2,722,392, Cl. 248—19.
- Talbot, Jack E. 2,713,473, Cl. 255—72.
- Talbot, Lloyd, to Cedar Rapids Block Co. 2,722,242, Cl. 140—71.
- Talbot, Mary L. 2,713,171, Cl. 2—159.
- Talbot, Ralph H., and T. J. McCleary, to Eastman Kodak Co. 2,725,293, Cl. 95—7.
- Talbot, Richard C.: *See*—  
Ferguson, John L., and Talbot. 2,702,110.  
Ferguson, John L., and Talbot. 2,707,922.
- Talbot, Richard L., to The Silicote Corp. 2,727,846, Cl. 167—63.
- Talboys, Henry H., to Nordberg Mfg. Co. 2,702,951, Cl. 37—83.
- Talboys, Henry H., to Nordberg Mfg. Co. 2,704,407, Cl. 37—191.
- Talboys, Henry H., to Nordberg Mfg. Co. 2,714,357, Cl. 105—90.
- Talburt, William F.: *See*—  
Kaufman, Vern F., Powers, and Talburt. 2,718,470.
- Talcott, James G. 2,708,012, Cl. 189—3.
- Talet, Pierre A., to Societe Nobel Francaise. 2,718,510, Cl. 260—33.4.
- Talet, Pierre A., to Societe Nobel Francaise. 2,726,223, Cl. 260—32.8.
- Talisman, Samuel C. 2,700,165, Cl. 5—337.
- Talley, John F., and J. E. Coursey, to United Merchants and Manufacturers, Inc. 2,706,056, Cl. 214—390.
- Talley, Royal L. 2,706,657, Cl. 294—19.
- Talley, Samuel K., F. M. Fowkes, and A. G. Cattaneo, to Shell Development Company. 2,715,107, Cl. 252—33.4.
- Tallis, Ernest E., to Courtaulds Ltd. 2,716,083, Cl. 154—136.
- Tallman, Sidney B. 2,711,037, Cl. 39—92.
- Talmdage, Howard A.: *See*—  
Shank, Earl D., and Talmdage. 2,721,482.
- Talmdage, Harvey G., Jr.: *See*—  
McLaughlin, Donald J., and Talmdage. 2,704,305.
- Talmev, Paul, and W. J. Crehan, to General American Transportation Corp. 2,717,218, Cl. 117—97.
- Talon, Inc.: *See*—  
Carlile, Alfred E. 2,699,588.  
Dorman, Leonard M. 2,701,401.  
Fanning, Richard C. 2,725,139.  
Poux, Noel J. 2,715,759.  
Tuteur, Marianne. 2,723,398.
- Talty, Frank A. 2,702,378, Cl. 339—147.
- Tama, Mario, to Ajax Engineering Corp. 2,707,718, Cl. 13—29.
- Tama, Mario, to Ajax Engineering Corp. 2,707,720, Cl. 13—33.
- Tamarin, Bernard J., to Pull-Packaging, Inc. 2,701,053, Cl. 206—41.2.
- Tamblyn, John W.: *See*—  
De Croes, George C., and Tamblyn. 2,710,811.
- Tamminga, William J., to Monitor Process Corp. 2,718,985, Cl. 222—131.
- Tamminga, William J. 2,725,064, Cl. 134—144.
- Tampke, Melvin L. 2,727,312, Cl. 33—174.
- Tamplin, Roy. 2,714,321, Cl. 81—52.
- Tanaka, Makoto. 2,708,839, Cl. 66—82.
- Tanaka, Manzo, K. Yamamoto, and M. Oku, to Mitsui Kagaku Kogyo Kabushiki Kaisha. 2,723,299, Cl. 260—669.
- Tancered, William L., to The W. N. Borg Corp. 2,709,728, Cl. 200—87.
- Tandler, William S., to The Warner & Swasey Research Corp. 2,699,068, Cl. 73—391.
- Tangeman, Russell L.: *See*—  
Materese, Vincent, and Tangeman. 2,725,725.
- Tangeman, William H. 2,718,742, Cl. 56—25.4.
- Tannenbaum, Daniel A., and A. J. Torre, to Radio Corp. of America. 2,706,796, Cl. 315—13.
- Tannenbaum, Oscar A.: *See*—  
Wait, Louis S. 2,718,630.
- Tanner, Donald W.: *See*—  
Silver, Nathaniel, and Tanner. 2,721,304.
- Tanner, George E., to Babson Bros. Co. 2,718,208, Cl. 119—14.08.
- Tanner, Henry G. 2,725,543, Cl. 339—87.
- Tannoy Ltd.: *See*—  
Rackham, Ronald H., and Livingstone. 2,717,932.
- Tanra Mfg. Co.: *See*—  
Pritchard, Thomas R. 2,706,977.
- Tan-Sad Chair Co. (1931) Ltd., The: *See*—  
Tidcombe, Edward J. 2,711,211.
- Tansel, Cecil L. 2,725,803, Cl. 95—4.5.
- Tanzer, George. 2,707,070, Cl. 223—68.
- Taormina, Anthony J., to Essex Wire Corp. 2,708,740, Cl. 339—205.
- Taplin, John F. 2,707,966, Cl. 137—116.5.
- Tapp, Damon L. 2,703,234, Cl. 267—33.
- Tapp, Harry F., and C. A. Bickford, to Gilbert & Barker Mfg. Co. 2,720,333, Cl. 220—4.
- Tapp, Larry W.: *See*—  
Castello, Anthony M., and Tapp. 2,710,103.  
Tapp, Lora E. 2,709,510.
- Tapp, Lloyd E.: *See*—  
Castello, Anthony M., and Tapp. 2,710,103.  
Tapp, Lora E. 2,709,510.
- Tapp, Lora E.: *See*—  
Castello, Anthony M., and Tapp. 2,710,103.
- Tapp, Lora E., deceased; L. E., L. S., L. W., and L. M. Tapp, sole heirs of said L. E. Tapp. 2,709,510, Cl. 197—22.
- Tapp, Loretta S.: *See*—  
Castello, Anthony M., and Tapp. 2,710,103.  
Tapp, Lora E. 2,709,510.
- Tapp, Lucille M.: *See*—  
Castello, Anthony M., and Tapp. 2,710,103.  
Tapp, Lora E. 2,709,510.
- Tappan, Ada I.: *See*—  
Tappan, Dewitt. 2,708,452.
- Tappan, Dewitt, to A. I. Tappan. 2,708,452, Cl. 137—625.25.
- Tappan Stove Co., The: *See*—  
Pollock, Earl S. 2,721,547.
- Tapper, Carl L. 2,713,943, Cl. 209—81.
- Tapper, Carl L. 2,714,957, Cl. 209—81.
- Tarantino, Frank R., and V. Tullsen, to American Cyanamid Co. 2,723,980, Cl. 260—314.5.
- Tarapczynski, Sigmund, ½ to J. Violante. 2,722,419, Cl. 272—84.
- Tarbox, George R.: *See*—  
Spann, Lawrence R., and Tarbox. 2,719,613.
- Tarbox, Leslie E. 2,708,532, Cl. 222—100.
- Tarbutton, Grady: *See*—  
Hein, Lawrence B., Rindt, Shultz, and Tarbutton. 2,706,146.
- Targosh, Ted: *See*—  
Anderson, Leslie V., Targosh, and Kolodziej. 2,719,704.
- Targosh, Ted, and L. V. Anderson. 2,724,583, Cl. 261—18.
- Targosh, Ted J. 2,710,339, Cl. 240—108.
- Tarjan, Armen C.: *See*—  
Hosler, John F., Tarjan, and Howard. 2,712,202.
- Tarleton, Frederic L., to General Electric Co. 2,720,086, Cl. 62—4.
- Tarman, Cecil A. 2,699,313, Cl. 248—237.
- Tarnopol, Milton S., to Pittsburgh Plate Glass Co. 2,725,319, Cl. 154—2.73.
- Tarquinee, Valentine, and R. J. Scovill, Jr., ½ to E. W. Osann, Jr. 2,698,467, Cl. 22—57.2.
- Tarr, Robert G. 2,716,385, Cl. 107—8.
- Tarr, Robert G. 2,728,306, Cl. 107—8.
- Tartaglia, Richard A.: *See*—  
Remington, Frederic, and Tartaglia. 2,699,252.
- Tascher, Paul J. 2,705,368, Cl. 32—40.
- Tash, Irving, 15% to J. A. Rosenberg. 2,725,056, Cl. 128—214.
- Tashjian, Leon. 2,721,759, Cl. 296—97.
- Tasker, Clinton H. 2,703,208, Cl. 242—55.5.
- Tasker, Clinton W., to American Viscose Corp. 2,715,244, Cl. 18—1.
- Tasker, Homer G., to Gilfillan Bros., Inc. 2,709,252, Cl. 343—11.
- Tasker, Homer G., and V. A. Olson, to Gilfillan Bros., Inc. 2,717,377, Cl. 343—7.7.
- Tata Oil Mills Co. Ltd.: *See*—  
Subba Rao, Tatapudy V., and Desikachar. 2,702,754.
- Tata, Raymond V.: *See*—  
Soussloff, Dimitri G., Steele, and Tata. 2,715,308.
- Tate, Brack F. 2,721,842, Cl. 252—30.
- Tate, E. H., Co.: *See*—  
Tate, Frank E. B. 2,706,041.
- Tate, Frank E. B., to E. H. Tate Co. 2,706,041, Cl. 206—79.
- Tate & Lyle Ltd.: *See*—  
Simmons, Charles E. G. 2,700,396.
- Tatel, Howard E., and E. W. Trainer, to the United States of America as represented by the Secretary of the Navy. 2,715,680, Cl. 250—36.
- Tatibana, Hideo. 2,715,521, Cl. 261—18.
- Tatom, Jean H.: *See*—  
Tatom, Raymond F. 2,703,431.  
Tatom, Raymond F., Butler, Lee, and Lund. 2,726,056.
- Tatom, Raymond F., deceased, by J. H. Tatom, administratrix, to Boeing Airplane Co. 2,703,431, Cl. 16—147.
- Tatom, Raymond F., deceased (by J. H. Tatom, administratrix), V. B. Butler, R. B. Lee, and W. W. Lund, to Boeing Airplane Co. 2,726,056, Cl. 244—135.
- Tator, Kenneth. 2,716,623, Cl. 154—2.22.



- Tatosian, Harry G., to Sugar Shell Corp. 2,722,178, Cl. 107—58.
- Taube, Zyga S., to Kimberly Corp. 2,719,314, Cl. 15—132.7.
- Taulbee, Kelly L.: *See—*  
MacLeod, Norman A. 2,703,297.
- Tausch, Gilbert H.: *See—*  
Abendroth, Guss F., Ilfrey, and Tausch. 2,725,107.
- Tautaz, Herbert E., to Heckethorn Mfg. & Supply Co. 2,724,748, Cl. 200—31.
- Tautfest, Roy A.,  $\frac{1}{2}$  to C. N. Hannon. 2,721,673, Cl. 220—52.
- Tavannes Watch Co. S. A.: *See—*  
Maire, Georges. 2,699,034.
- Tavares, Ernest A. 2,704,185, Cl. 230—49.
- Tavares, Ernest A. 2,713,396, Cl. 181—31.
- Taves, Milton A., to Hercules Powder Co. 2,727,921, Cl. 260—524.
- Tawney, Pliny O., to United States Rubber Co. 2,721,186, Cl. 260—23.
- Tawney, Pliny O., and J. R. Little, to United States Rubber Co. 2,701,895, Cl. 18—45.
- Tawney, Pliny O., R. H. Snyder, and R. W. Amidon, to United States Rubber Co. 2,719,137, Cl. 260—45.5.
- Taylor, Anthony J., to Foster Wheeler Corp. 2,713,330, Cl. 122—1.
- Taylor, Arthur K. 2,701,521, Cl. 101—174.
- Taylor, Arthur S.: *See—*  
Stirn, Frank E., and Taylor. 2,720,109.  
Stirn, Frank E., and Taylor. 2,720,341.  
Stirn, Frank E., and Taylor. 2,720,353.  
Stirn, Frank E., and Taylor. 2,720,463.
- Taylor, Arthur W. C., and J. B. Harding, to Imperial Chemical Industries Ltd. 2,723,998, Cl. 260—604.
- Taylor, Bert L. 2,720,285, Cl. 188—32.
- Taylor, Burrett W. 2,719,060, Cl. 304—29.
- Taylor, Carl J. 2,728,078, Cl. 2—14.
- Taylor, Cecil H., to the United States of America as represented by the Secretary of the Army. 2,717,535, Cl. 89—184.
- Taylor & Challen Ltd.: *See—*  
Challen, Henry D. 2,715,845.  
Challen, John B. 2,719,434.
- Taylor, Charles D., to Perfect Circle Corp. 2,704,902, Cl. 41—7.
- Taylor, Charles F., to The Texas Co. 2,699,765, Cl. 123—65.
- Taylor, Charles F., to The Texas Co. 2,718,883, Cl. 123—32.
- Taylor, Charles R.: *See—*  
Hudson, Edwin B., and Taylor. 2,708,572.
- Taylor, Charles R., to Armco Steel Corp. 2,703,661, Cl. 220—2.3.
- Taylor, Charles R. 2,724,455, Cl. 183—15.
- Taylor, Clarence C.: *See—*  
Leo, Herbert T., and Taylor. 2,703,757.  
Leo, Herbert T., and Taylor. 2,703,758.  
Leo, Herbert T., and Taylor. 2,703,759.
- Taylor, Clarence P., to North American Aviation, Inc. 2,702,108, Cl. 193—25.
- Taylor, Clement F.: *See—*  
Stimson, Allen G., Taylor, and Bakke. 2,728,265.
- Taylor, Clifford A.,  $\frac{1}{2}$  to F. A. Taylor. 2,704,031, Cl. 102—21.8.
- Taylor, Dudley F. 2,717,789, Cl. 285—146.
- Taylor, Edmund R., to Bell Telephone Laboratories, Inc. 2,704,325, Cl. 250—20.
- Taylor, Edward H., to Taylor Forge & Pipe Works. 2,726,437, Cl. 29—477.
- Taylor, Edward H., to Taylor Forge & Pipe Works. 2,726,438, Cl. 29—488.
- Taylor, Eleanor F.: *See—*  
Mills, Lurline M., and Taylor. 2,713,112.
- Taylor Forge & Pipe Works: *See—*  
Taylor, Edward H. 2,726,437.  
Taylor, Edward H. 2,726,438.
- Taylor, Frances A.: *See—*  
Taylor, Clifford A. 2,704,031.
- Taylor, Francis J., Jr., to Bendix Aviation Corp. 2,707,902, Cl. 88—74.
- Taylor, Frank D.: *See—*  
Simms, Ernest H., and Taylor. 2,718,648.
- Taylor, Frank H., to International Standard Electric Corporation. 2,717,312, Cl. 250—33.
- Taylor, Frederick K.: *See—*  
Adams, Paul L., and Taylor. 2,727,284.
- Taylor, Frederick W., to Chain Belt Co. 2,709,537, Cl. 222—108.
- Taylor, Garthwood R., to General Motors Corp. 2,706,007, Cl. 170—160.33.
- Taylor, George E.: *See—*  
Adams, James F., Bauer, and Taylor. 2,698,779.
- Taylor, George J.: *See—*  
Dickey, Joseph B., and Taylor. 2,723,264.
- Taylor, George J., and J. B. Dickey, to Eastman Kodak Co. 2,714,598, Cl. 260—380.
- Taylor, George M.: *See—*  
Feild, George B., Markwood, Jr., and Taylor. 2,722,340.  
Markwood, William H., Jr., and Taylor. 2,722,493.
- Taylor, George O. 2,719,571, Cl. 155—94.
- Taylor, Halsey W., to The Halsey W. Taylor Co. 2,704,657, Cl. 257—241.
- Taylor, Halsey W., Co.: *See—*  
Freer, Clyde P. 2,704,656.  
Freer, Clyde P. 2,721,061.  
Taylor, Halsey W. 2,704,657.
- Taylor, Harry B.: *See—*  
Craick, William, Milne, and Taylor. 2,700,138.
- Taylor, Harry W., to Smyth-Horne Ltd. 2,711,245, Cl. 198—24.
- Taylor, Harry W., to Smyth-Horne Ltd. 2,713,212, Cl. 34—66.
- Taylor, Herbert L., to Westinghouse Air Brake Co. 2,721,839, Cl. 204—275.
- Taylor, Hiram W.: *See—*  
Carey, William E., and Taylor. 2,711,604.
- Taylor Instrument Companies: *See—*  
Liberatore, Laurence C. 2,725,748.  
Newell, Floyd B. 2,718,241.  
Nichols, Nathaniel B. 2,718,794.
- Taylor, Irving R., to International Telephone and Telegraph Corp. 2,726,389, Cl. 343—761.
- Taylor, J. Y., Co.: *See—*  
Morphis, Jehu, and Samuel. 2,717,530.
- Taylor, James, to Imperial Chemical Industries Ltd. 2,700,011, Cl. 167—40.
- Taylor, James A., and E. B. Driskell. 2,715,847, Cl. 81—53.
- Taylor, James L.: *See—*  
Rittenhouse, Lloyd W., Hoge, and Taylor. 2,706,757.
- Taylor, John E. 2,707,864, Cl. 60—39.09.
- Taylor, John G., dedicated to the free use of the people in the territory of the United States. 2,702,843, Cl. 200—136.3.
- Taylor, John H. 2,700,958, Cl. 119—109.
- Taylor, John L. 2,715,913, Cl. 137—622.
- Taylor, John W. 2,723,641, Cl. 115—42.
- Taylor, Joseph H. 2,704,496, Cl. 97—47.25.
- Taylor, Joseph H. 2,727,448, Cl. 97—6.
- Taylor, Joseph R., and V. T. Stringer. 2,724,169, Cl. 28—1.
- Taylor, Julian S. 2,728,398, Cl. 166—170.
- Taylor, Leta S.: *See—*  
Morphis, Jehu, and Samuel. 2,717,530.
- Taylor, Lewis A., to General Motors Corp. 2,721,363, Cl. 22—36.
- Taylor, Lloyd G. 2,722,111, Cl. 62—114.
- Taylor, Lloyd H., and L. G. Copeman, to Copeman Laboratories Co. 2,701,143, Cl. 280—99.
- Taylor, Lloyd H., and L. G. Copeman, to Copeman Laboratories Co. 2,702,193, Cl. 214—42.
- Taylor, Lloyd S. 2,722,273, Cl. 160—191.
- Taylor-Lougheed Co., The: *See—*  
Taylor, William R., and Lougheed. 2,723,415.
- Taylor Machine Works: *See—*  
Brown, T. Z. 2,723,771.
- Taylor, Malcolm, and A. F. Cann, to Bendix Aviation Corp. 2,717,980, Cl. 318—19.
- Taylor, Morris P., to the United States of America as represented by the Secretary of the Navy. 2,718,390, Cl. 267—34.
- Taylor, Nelson W.: *See—*  
Beck, Warren R., and Taylor. 2,726,161.
- Taylor, Nelson W., to Minnesota Mining & Mfg. Co. 2,713,286, Cl. 88—82.
- Taylor, Owen L., to Westinghouse Electric Corp. 2,722,135, Cl. 74—483.
- Taylor, Paul H., to Wales-Strippit Corp. 2,704,125, Cl. 164—110.
- Taylor, Paul H., to Wales-Strippit Corp. 2,708,109, Cl. 267—1.
- Taylor, Paul H., to Wales-Strippit Corp. 2,708,908, Cl. 121—38.
- Taylor, Paul H., to Wales-Strippit Corp. 2,708,970, Cl. 164—94.
- Taylor, Paul H., to Wales-Strippit Corp. 2,713,901, Cl. 164—21.
- Taylor, Paul H., to Wales-Strippit Corp. 2,716,451, Cl. 164—110.
- Taylor, Paul H., and G. F. Wales, to Wales-Strippit Corp. 2,720,264, Cl. 164—118.
- Taylor, Perry B. 2,701,397, Cl. 20—57.5.
- Taylor, Philip S.: *See—*  
Dangel, Phoenix N., and Taylor. 2,713,361.
- Taylor, Rex A.: *See—*  
Kelemen, Frank K., and Taylor. 2,708,129.
- Taylor, Richard A. 2,716,304, Cl. 43—100.
- Taylor, Robert B., and P. V. Johnson, to Structural Clay Products Research Foundation. 2,715,777, Cl. 33—85.
- Taylor, Robert D., and V. E. Okerstrom; said Okerstrom assor. to said Taylor. 2,698,537, Cl. 73—66.
- Taylor, Robert L. 2,709,896, Cl. 60—54.5.
- Taylor, Rollin E. 2,714,002, Cl. 267—20.
- Taylor, Sidney W., to The Wellman Smith Owen Engineering Corporation Limited. 2,714,966, Cl. 214—29.
- Taylor, Sidney W., to The Wellman Smith Owen Engineering Corp. Ltd. 2,720,800, Cl. 78—96.
- Taylor, Smith & Taylor: *See—*  
Bower, James A. 2,719,623.
- Taylor Spring and Mfg. Co.: *See—*  
Basile, Carmen L., and Terry. 2,703,026.
- Taylor, Stanford E. 2,723,591, Cl. 88—20.
- Taylor, T. Ivan: *See—*  
Brewer, Aubrey K., Madorsky, and Taylor. 2,727,000.
- Taylor, Taylor & Hobson Ltd.: *See—*  
Cook, Gordon H. 2,713,809.  
Cook, Gordon H. 2,724,993.  
Mills, John A. 2,720,817.  
Reason, Richard E. 2,719,947.  
Reason, Richard E., and Rawstron. 2,723,461.
- Taylor, Theodore C., to Standard Oil Co. 2,726,883, Cl. 286—9.
- Taylor, Thomas, & Sons, Inc.: *See—*  
Moore, Harry L. 2,704,152.



- Taylor, Thomas T., to Hughes Aircraft Co. 2,700,106, Cl. 250—33.65.
- Taylor, Tracy B., to Federal Electric Products Co. 2,698,925, Cl. 339—22.
- Taylor, Tracy B., to Federal Electric Products Co. 2,715,665, Cl. 200—168.
- Taylor, Tracy B., to Federal Electric Products Co. 2,718,575, Cl. 200—168.
- Taylor, Walter D. 2,718,949, Cl. 192—47.
- Taylor, Walter P., Jr. 2,716,008, Cl. 242—159.
- Taylor, Walter P., Jr. 2,725,197, Cl. 242—2.
- Taylor, William G., Jr., to United Aircraft Corp. 2,702,452, Cl. 60—35.6.
- Taylor, William I., and S. G. Hawtin, to British Celanese Ltd. 2,700,794, Cl. 18—8.
- Taylor, William I., and S. G. Hawtin, to British Celanese Ltd. 2,701,211, Cl. 106—198.
- Taylor, William I., and J. W. Grebby, to British Celanese Ltd. 2,707,308, Cl. 18—48.
- Taylor, William R., and H. J. Lougheed, to The Taylor-Lougheed Co. 2,723,415, Cl. 16—45.
- Taylor, William S. 2,711,684, Cl. 99—340.
- Taylor, William T. Re. 23,973, Cl. 62—1.
- Taylor-Wilson Mfg. Co.: *See*—
- McConnell, William M., and Von Hofen. 2,707,876.
- Taylor-Winfield Corp., The: *See*—
- Riley, Joseph J. 2,718,615.
- Riley, Joseph J. 2,719,946.
- Riley, Joseph J., and Dustman. 2,715,698.
- Riley, Joseph J., and Murto. 2,721,306.
- Seeloff, Melvin M. 2,702,023.
- Seeloff, Melvin M. 2,702,049.
- Seeloff, Melvin M. 2,724,035.
- Seeloff, Melvin M. 2,726,371.
- Seeloff, Melvin M., and Anderson. 2,710,903.
- Tea, Clark A., to Ford Motor Co. 2,701,713, Cl. 267—19.
- Tea, Clark A. 2,716,883, Cl. 73—11.
- Tea, Frank C., Jr., to The American Baler Co. 2,710,230, Cl. 301—64.
- Teague, Virgil E.,  $\frac{1}{2}$  to J. C. Cannady. 2,718,724, Cl. 42—1.
- Teague, Walter D., Jr., to Bendix Aviation Corp. 2,700,935, Cl. 103—6.
- Teague, Walter D., and R. H. Ensign, to The Hough Shade Corp. 2,713,897, Cl. 160—117.
- Teague, Walter D., and S. D. Wassysng, to Servel, Inc. 2,717,189, Cl. 312—351.
- Teague, Walter D., Jr., and H. H. Laucks, to Bendix Aviation Corp. 2,720,282, Cl. 184—6.
- Teal, Gordon K., to Bell Telephone Laboratories, Inc. 2,703,296, Cl. 148—1.5.
- Teal, Gordon K., to Bell Telephone Laboratories, Inc. 2,727,840, Cl. 148—1.5.
- Teasy Kettle Co. Ltd., The: *See*—
- Smail, Alexander. 2,707,427.
- Tebbetts, William F. 2,726,605, Cl. 103—46.
- Tecalemit Ltd.: *See*—
- Le Clair, Camille C. S. 2,712,402.
- Le Clair, Camille C. S. 2,719,603.
- Le Claire, Camille C. S. 2,728,415.
- Tecalemit, Societe Anonyme: *See*—
- Froidevaux, Oscar. 2,703,195.
- Techkote Co., Inc.: *See*—
- Worson, Lee. 2,703,288.
- Technical Appliance Corp.: *See*—
- Thomas, Jack C. 2,705,283.
- Technical Equipment Corp.: *See*—
- Varga, Oscar W. Re. 24,054.
- Technical Oil Tool Corp., Ltd.: *See*—
- Suter, Oswald. 2,706,860.
- Technical Service, Inc.: *See*—
- Langlois, Roland E., and Blumenbaum. 2,723,876.
- Technical Specialties, Inc.: *See*—
- Christiansen, Walter M. 2,725,950.
- Technicolor Motion Picture Corp.: *See*—
- Bennes, Charles D. 2,719,805.
- Brady, John D. 2,710,347.
- Kelly, Donald H. 2,703,506.
- Kelly, Donald H., and Thayer. 2,723,821.
- Technicon Chromatography Corp.: *See*—
- Gorham, George. 2,710,715.
- Technicon International Ltd.: *See*—
- Ferrari, Andres, Jr. 2,706,485.
- Gorham, George. 2,699,479.
- Gorham, George. 2,699,489.
- Kling, Nelson G., and Gorham. 2,727,466.
- Weiskopf, Edwin C. 2,699,370.
- Weiskopf, Edwin C. 2,718,582.
- Tecno Trade Anstalt: *See*—
- Balass, Valentin. 2,714,518.
- Tedaldi, John: *See*—
- Soffer, Jack W., and Tedaldi. 2,703,665.
- Tedds, Dennis F. B.: *See*—
- Hinde, Joseph, and Tedds. 2,703,913.
- Teed, Dwight P.: *See*—
- Middleton, William H., and Long. 2,723,677.
- Teegarden, John W. 2,714,200, Cl. 340—27.
- Tee-Pak, Inc.: *See*—
- Blizzard, James R., and Firth. 2,722,714.
- Blizzard, James R., and Firth. 2,722,715.
- Blizzard, James R., Firth, and Wynkoop. 2,723,201.
- Chirtel, Joseph S., and Mark. 2,705,705.
- Korsgaard, Paul H. 2,706,165.
- Teeson, Robert F.,  $\frac{1}{2}$  to J. S. Shute. 2,719,286, Cl. 340—205.
- Teeson, Robert F.,  $\frac{1}{2}$  to J. S. Shute. 2,724,337, Cl. 103—41.
- Teeters, Robert B., and R. Marty, to Mallinckrodt Chemical Works. 2,728,475, Cl. 215—40.
- Teetor, Macy O. 2,719,050, Cl. 292—251.5.
- Teetor, Macy O., to T-K Corp. 2,726,110, Cl. 292—251.5.
- Teetor, Ralph R. 2,718,420, Cl. 292—64.
- Teetor, Ralph R. 2,726,890, Cl. 292—192.
- Teetor, Thomas S., to Avco Mfg. Corp. 2,712,093, Cl. 315—27.
- Tefft, Clinton E., to Chrysler Corp. 2,723,708, Cl. 154—30.
- Tegge, Bruce R., to Esso Research and Engineering Co. 2,724,007, Cl. 260—674.
- Tegtmeyer, Walter H. 2,726,715, Cl. 158—28.
- Teich, Ernest L., to The American Hardware Corp. 2,723,150, Cl. 292—336.3.
- Teich, Ernest L., and I. J. Fletcher, to The American Hardware Corp. 2,701,160, Cl. 292—336.3.
- Teich, Ernest L., and I. J. Fletcher, to The American Hardware Corp. 2,721,095, Cl. 292—336.3.
- Teichmann, Charles F., to Texaco Development Corp. 2,714,578, Cl. 210—8.5.
- Teichmann, Charles F., C. G. Ludeman, and A. D. Garrison, to Texaco Development Corp. 2,702,789, Cl. 252—8.5.
- Teichmann, Charles F., and C. G. Ludeman, to Texaco Development Corp. 2,702,790, Cl. 252—8.5.
- Teichmann, Charles F., and C. G. Ludeman, to Texaco Development Corp. 2,702,791, Cl. 252—8.5.
- Teichmann, Charles F., and J. H. Grahame, to Texaco Development Corp. 2,714,116, Cl. 260—449.6.
- Teichmann, Charles F., and A. D. Garrison, to Texaco Development Corp. 2,719,119, Cl. 252—8.5.
- Teisen, Mogens R. G. 2,721,424, Cl. 51—105.
- Teitel, Sidney: *See*—
- Goldberg, Moses W., and Teitel. 2,705,244.
- Goldberg, Moses W., and Teitel. 2,721,215.
- Tekse, Richard. 2,725,774, Cl. 81—182.
- Telander, Stanton H.: *See*—
- Bank, Thor G., and Telander. 2,723,326.
- Telalent Co., Inc., The: *See*—
- Call, John G. 2,723,673.
- Teleautograph Corp.: *See*—
- Cahoon, Edward F., Holland, and MacDonald. 2,711,442.
- Telech, Peter A. 2,710,129, Cl. 228—60.
- Telectro Industries Corp.: *See*—
- Post, Herman D., and Vogel. 2,705,262.
- Sussman, Harry, and Klinger. 2,727,216.
- Telefonaktiebolaget L M Ericsson: *See*—
- Alexandersson, Harald V. 2,718,560.
- Brunberg, Karl G. 2,718,556.
- Diesen, Anton K., and Forss. 2,718,558.
- Ericsson, Eric A., Jorgensen, and Overby. 2,725,474.
- Hallen, Erik G. 2,712,602.
- Hjertstrand, Svante L. 2,712,571.
- Hullegård, Erik W., Ulin, and Larshans. 2,706,746.
- Johnson, Karl G., and Treffner. 2,713,681.
- Lindberg, Lennart, Bjorkman, and Romell. 2,706,248.
- Lundkvist, Karl A., and Wiberg. 2,718,559.
- Nilsson, Nils E. 2,714,630.
- Nilsson, Nils E. 2,727,947.
- Person, Lars B., von Sivers, Wadö, and Wickman. 2,717,277.
- Person, Lars B., von Sivers, Wadö, and Wickman. 2,718,554.
- Person, Lars B., von Sivers, Waldö, and Wickman. 2,728,817.
- Telefonbau und Normalzeit G. m. b. H.: *See*—
- Komusin, Erich. 2,722,381.
- Telefonbau und Normalzeit Gesellschaft mit beschränkter Haftung: *See*—
- Schauer, Herman. 2,709,720.
- Springer, Anton. 2,719,879.
- Telefunken Gesellschaft für drahtlose Telegraphie m. b. H.: *See*—
- Stegmueller, Johann. 2,718,590.
- Telegraph Construction & Maintenance Co. Ltd.: *See*—
- Thorne, Beryl F. 2,707,803.
- Telegraph Construction & Maintenance Co., Ltd., The: *See*—
- Lidderdale, Aubrey D. 2,718,543.
- Telephone Answering and Recording Corp.: *See*—
- Van Deventer, Harry R. 2,724,016.
- Van Deventer, Harry R., Shively, and Bailey. 2,713,088.
- Van Deventer, Harry R., Shively, and Bailey. 2,724,015.
- Telephone Mfg. Co. Ltd.: *See*—
- Johnson, Benjamin B. 2,704,786.
- Johnson, Benjamin B. 2,721,233.
- Johnson, Benjamin B., and Foster. 2,704,785.
- Ryall, Leonard E. 2,702,319.
- Saraga, Wolja. 2,716,220.
- Telephonics Corp.: *See*—
- Dreyer, John F., Jr. 2,723,348.
- Zaug, William C. 2,704,133.
- Teleprinter Corp.: *See*—
- Howard, Bernard. 2,727,944.
- Teleregister Corp., The: *See*—
- Bush, George L. 2,717,086.
- Bush, George L. 2,727,222.
- Willis, Alan E. 2,711,523.
- Telescope Folding Furniture Co. Inc., The: *See*—
- Vanderminde, Robert D. 2,699,815.
- Tele-Trip Policy Co., Inc.: *See*—
- Gandert, Philip, and Smith. 2,703,048.
- Smith, Hollis B. 2,703,017.
- Tele-Trip Policy Co., Inc. of Delaware: *See*—
- Shaheen, John M., and Gandert. 2,724,478.



- Teletronics Laboratory, Inc.: *See*—  
Richards, George F. 2,699,000.
- Teletype Corp.: *See*—  
Doerrfeld, Robert L. 2,708,216.  
Doerrfeld, Robert L. 2,716,157.  
Eklund, Raymond A. 2,728,905.  
Gammel, Wilbur R. 2,728,811.  
Hansen, Theodore A. Re. 24,069.  
Madsen, Berthel F. 2,701,045.  
Madsen, Berthel F. 2,701,823.  
Madsen, Berthel F. 2,708,217.  
Martindell, Frank. 2,719,888.  
Nilson, Arthur N. 2,708,218.  
Przysiecki, Theodore I. 2,701,822.  
Zenner, Walter J. 2,718,555.  
Zenner, Walter J. 2,727,091.
- Teletypesetter Corp.: *See*—  
Lindberg, Arthur F. 2,701,051.
- Tell, Sven A., to Aktiebolaget Piab. 2,701,917, Cl. 33—27.  
Tell, Sven A., to Aktiebolaget Piab. 2,703,980, Cl. 73—141.  
Tell, William J.: *See*—  
Maurer, Philip W., and Tell. 2,725,257.
- Teller, Albert W.: *See*—  
Jobbins, Howell S., and Teller. 2,724,659.
- Teller, Charles H.: *See*—  
Marsell, Philip A., and Teller. 2,701,774.
- Teller, W. K., and W. H. St. Germain, to The Pharma-Craft Corp. 2,701,163, Cl. 299—95.  
Teller, W. Kedsie, to A. J. Saxon. 2,728,729, Cl. 252—154.  
Tellier, Edward J. W. 2,705,802, Cl. 2—68.
- Temco, Inc.: *See*—  
Bourner, Howard L. 2,716,820.
- Temple, Clarence V., and R. J. Owens. 2,709,800, Cl. 340,253.  
Temple, Harold F., to P. Lorillard Co. 2,723,036, Cl. 211—49.  
Temple, Hiram E., to Read Standard Corp. 2,718,972, Cl. 214—38.  
Temple, Joseph J., to The Austin Motor Co. Ltd. 2,705,483, Cl. 123—90.  
Temple, Maurice E. 2,711,223, Cl. 182—2.  
Temple, Robert. 2,711,331, Cl. 285—90.  
Temple, Robert G.: *See*—  
Kaeding, Warren W., Lindblom, and Temple. 2,727,926.
- Temple Safety On Sea Mfg. Co., Inc.: *See*—  
Johnston, Greenhow. 2,702,386.
- Templeton, James H.: *See*—  
Pruitt, Malcolm E., Baggett, Bloomfield, and Templeton. 2,706,182.
- Templeton, Samuel M. 2,706,803, Cl. 339—191.  
Templin, Edwin W., to Westrex Corp. 2,725,785, Cl. 88—16.2.
- Temprite Products Corp.: *See*—  
Graham, Frank O. 2,715,319.
- Ten Brink, Karl C., to The Texas Co. 2,724,963, Cl. 73—38.
- Tench, George E., to Read Standard Corp. 2,701,542, Cl. 118—2.
- Tench, Rudolph C. 2,713,408, Cl. 193—32.
- Tenenbaum, Leon E.: *See*—  
Scudi, John V., and Tenenbaum. 2,710,864.
- Tenenbaum, Leon E., to Nepera Chemical Co., Inc. 2,712,021, Cl. 260—295.  
Tenenbaum, Leon E., and T. I. Fand, to Nepera Chemical Co., Inc. 2,712,019, Cl. 260—290.
- Tengberg, Evert R., to New England Carbide Tool Co., Inc. 2,728,558, Cl. 255—63.
- Tenisons, Alfreds. 2,708,272, Cl. 2—124.
- Tennant, G. H., Co.: *See*—  
Luksch, Andreas, and Peabody. 2,701,377.
- Tennessee Corp.: *See*—  
Gill, Melville K. 2,721,678.  
Rueggeberg, Walter H. C. 2,724,638.  
Wimberly, Joseph J. 2,721,135.
- Tennessee Products and Chemical Corp.: *See*—  
Berl, Leo, Smith, and Griscom. 2,718,531.
- Tennessee Valley Authority: *See*—  
Driskell, John C. 2,713,536.  
Hein, Lawrence B., Rindt, Shultz, and Tarbutton. 2,706,146.
- Tenney, William L.: *See*—  
Frank, Paul A., and Rhodes. 2,710,524.
- Tenney, William L. 2,708,425, Cl. 123—73.
- Tenney, William L., and C. B. Marks; said Marks assor. to said Tenney. 2,715,390, Cl. 122—24.
- Tennison, James D. 2,727,536, Cl. 138—74.
- Tennyson, Mary E. 2,724,122, Cl. 4—113.
- Tenoort, Karl H., and F. O. Wendel, to The National Cash Register Co. 2,715,498, Cl. 235—130.
- Tenot, André L., and R. A. Picand. 2,714,946, Cl. 192—58.
- Tepas, Joseph J., Jr., and G. C. Smith, to Olin Mathieson Chemical Corp. 2,700,651, Cl. 210—28.
- Tepe, Ralph J.: *See*—  
Cline, Theodore B., and Tepe. 2,725,591.
- Teplow, Jacqueline: *See*—  
Sersté, Jacques E., Teplow, and P. F. and P. A. Sersté. 2,713,401.
- Teramura, Osamu: *See*—  
Asano, Toru, and Teramura. 2,721,296.
- Ter Brugge, Berend R.: *See*—  
Lanfers, Hero H., ter Brugge, and Mulder. 2,727,202.
- Tercé, Paul J. J., to Societe a Responsabilite Limitee S. E. R. A. M. Societe d'Etudes de Recherches et d'Applications Mecaniques. 2,701,984, Cl. 89—1.7.
- Terenó, Jack. 2,715,236, Cl. 15—136.
- Terez, Clarence S.: *See*—  
Meckstroth, Carl R., and Terez. 2,711,760.
- Ter Horst, William P., to Olin Mathieson Chemical Corp. 2,698,806, Cl. 106—15.
- Ter Horst, William P., to Olin Mathieson Chemical Corp. 2,699,418, Cl. 167—14.
- Ter Horst, William P., to Olin Mathieson Chemical Corp. 2,727,824, Cl. 106—15.
- Terhune, Howard: *See*—  
Albers, Heinrich B., and Terhune. 2,703,024.
- Terhune, Theodore J.: *See*—  
Turner, John E., and Terhune. 2,720,253.
- Ter Marsch, Jacob. 2,712,159, Cl. 18—42.
- Termet, Pierre. 2,724,116, Cl. 1—44.5.
- Termon, Charles G., to Deere & Co. 2,721,520, Cl. 103—271.
- Terney, Ewald W. 2,728,844, Cl. 219—32.
- Terpay, John M., to Industrial Rayon Corp. 2,716,586, Cl. 18—54.
- Terrell Machine Co., The: *See*—  
Wilson, Thomas W. 2,707,309.
- Terrill, John R. 2,716,881, Cl. 70—14.
- Terry, Charles M., to A. W. Cash Valve Mfg. Corp. 2,719,675, Cl. 236—92.
- Terry, Doyle W., and T. J. Melton. 2,700,793, Cl. 17—45.
- Terry, Doyle W., and T. J. Melton. 2,707,303, Cl. 17—11.
- Terry, Matson C., and W. F. Kramer, to Philco Corp. 2,713,247, Cl. 62—3.
- Terry, Melvin C.: *See*—  
Mounce, Whitman D., Dunaway, and Terry. 2,725,283.
- Terry, Pankracy: *See*—  
Basile, Carmen L., and Terry. 2,703,026.
- Terry, Stanley M.: *See*—  
Miller, Sidney E., and Terry. 2,705,812.
- Terry, Victor J., to International Standard Electric Corp. 2,701,277, Cl. 178—69.
- Ter Stege, Willem C.: *See*—  
Bolsius, Johannes C. C., and ter Stege. 2,728,412.
- Ter Stege, Willem C., and E. Meindersma, to Hartford National Bank and Trust Co., trustee. 2,699,969, Cl. 299—86.
- Terziev, George N., to Allied Chemical & Dye Corp. 2,705,187, Cl. 23—129.
- Tescula, John C. 2,709,996, Cl. 126—25.
- Tesla National Corp.: *See*—  
Vackář, Jím. 2,706,249.
- Tesoro, Giuliana C., and R. L. Wakeman, to Onyx Oil and Chemical Co. 2,700,683, Cl. 260—567.6.
- Tesoro, Giuliana C., and R. L. Wakeman, to Onyx Oil and Chemical Co. 2,700,684, Cl. 260—567.6.
- Tessen, Carl A., 10% to G. K. Anderson. 2,713,952, Cl. 215—31.
- Test, Ellis W., to Pullman-Standard Car Mfg. Co. 2,716,872, Cl. 62—171.
- Test, Meyer J.: *See*—  
Krasnow, Shelley, and Test. 2,702,352.  
Krasnow, Shelley, and Test. 2,709,753.
- Tested Appliance Co.: *See*—  
Oliver, Chauncey B. 2,711,252.
- Teter, John W., to Sinclair Refining Co. 2,699,430, Cl. 252—448.
- Teunissen, Pieter H.: *See*—  
Kreek, Petrus J., and Teunissen. 2,706,159.
- Teves, Marten C., T. Tol, and P. C. van der Linden, to Hartford National Bank and Trust Co., trustee. 2,698,912, Cl. 313—65.
- Tewksbury, John M.: *See*—  
Hemphill, Alfred A., and Tewksbury. 2,718,003.
- Texaco Development Co.: *See*—  
Armistead, Fontaine C. 2,714,169.  
Armistead, Fontaine C. 2,721,943.  
Barron, Joseph M. 2,719,120.  
Garrison, Allen D. 2,724,068.  
Gee, William P. 2,702,080.  
Gross, Howard H. 2,726,986.  
Jenny, Frank J. 2,698,830.  
McKee, Theresa M. 2,702,864.  
McKee, Theresa M. 2,725,484.  
Paull, Peter L. 2,706,147.  
Rees, Harry V., and Sellers. 2,702,240.  
Riblett, Earl W. 2,701,757.  
Ruble, Raymond J. 2,721,944.  
Sage, Bruce H. 2,713,894.  
Teichmann, Charles F. 2,714,578.  
Teichmann, Charles F., and Garrison. 2,719,119.  
Teichmann, Charles F., and Grahame. 2,714,116.  
Teichmann, Charles F., and Ludeman. 2,702,790.  
Teichmann, Charles F., and Ludeman. 2,702,791.  
Teichmann, Charles F., Ludeman, and Garrison. 2,702,789.
- Texas Co., The: *See*—  
Addison, Herman H. 2,718,925.  
Allen, Joseph C. 2,699,832.  
Allen, Joseph C. 2,708,481.  
Allen, Joseph C. 2,713,906.  
Arnold, George B., and Hess. 2,707,192.  
Barber, Everett M., Muenger, and Villforth. 2,713,790.  
Bond, Donald H. 2,706,496.  
Bos, Louis B. 2,698,867.  
Coghlan, Charles A. 2,698,782.  
Culnane, Charles H., and Dilworth. 2,714,092.  
Culnane, Charles H., and Dilworth. 2,721,844.  
Dilworth, John P., Culnane, and Ashburn. 2,721,845.  
Egan, Edmond F., and Herzog. 2,700,734.  
Eastman, Du Bois, and Gaucher. 2,701,756.  
Ferrin, Jean P. 2,723,237.  
Gaucher, Leon P. 2,725,933.



Texas Co., The: *See*—Continued.

- Heisig, Theodore C., and Murphey. 2,710,842.  
 Hencke, William R., and Cole. 2,714,168.  
 Herzog, Gerhard. 2,702,865.  
 Herzog, Gerhard. 2,711,483.  
 Herzog, Gerhard. 2,714,167.  
 Herzog, Gerhard. 2,722,610.  
 Herzog, Gerhard, Lord, and Pancake. 2,712,609.  
 Herzog, Gerhard, and McKay. 2,727,155.  
 Kluge, Herman D., and Moore. 2,725,357.  
 Kluge, Herman D., and Moore. 2,725,358.  
 Knowles, Edwin C., Kluge, and Fields. 2,709,682.  
 Kreuz, Kenneth L. 2,727,901.  
 Lee, Burton D. 2,724,453.  
 Lord, Arthur H., Jr. 2,701,312.  
 Lyons, Joseph F., and Heisig. 2,721,846.  
 MacKnight, John D. 2,727,778.  
 Malin, Jay B. 2,725,285.  
 Manley, Robert E., and Robinson. 2,710,693.  
 Mazzagatti, Roy P., Stephens, and Connors. 2,701,175.  
 McKay, Alexander S. 2,710,925.  
 McKay, Alexander S. 2,724,779.  
 McKinley, John K., Bright, and Nelson. 2,705,241.  
 McKinley, John K., Hefty, and Deutser. 2,727,005.  
 Meadows, James L. 2,724,685.  
 Miller, Gordon H. 2,710,541.  
 Naragon, Ernest A., Millendorf, and Vergilio. 2,699,453.  
 Skelton, William E., Overbaugh, and Kirsch. 2,719,145.  
 Smith, William R. 2,702,793.  
 Sokol, Samuel J., and Coppoc. 2,701,237.  
 Strasser, Dale M. 2,701,755.  
 Taylor, Charles F. 2,699,765.  
 Taylor, Charles F. 2,718,883.  
 Ten Brink, Karl C. 2,724,963.  
 Watt, Bob E. 2,699,513.  
 Weiss, Walter J. 2,717,875.  
 Texas Gulf Sulphur Co.: *See*—  
 Bencowitz, Isaac. 2,705,671.  
 Texas Instruments Inc.: *See*—  
 Burg, Kenneth E., Mann, Toomey, and Vance. 2,728,555.  
 Perry, Edward G., Jr. 2,717,821.  
 Tex Tan of Yoakum: *See*—  
 Tolbert, Arthur A. 2,711,768.  
 Textile & Chemical Research Co. Ltd.: *See*—  
 Drisch, Nicolas, and Brepson. 2,699,983.  
 Drisch, Nicolas, and Herrbach. 2,705,184.  
 Drisch, Nicolas, and Herrbach. 2,728,631.  
 Guyot, Raymond. 2,702,982.  
 Thomann, Raymond A., and Vincent. 2,709,492.  
 Textile Engineering Corp.: *See*—  
 Swanson, Kenneth P. 2,716,780.  
 Textile Equipment Corp.: *See*—  
 Greene, Oren W., Twitty, and Richie. 2,703,438.  
 Textile Machine Works: *See*—  
 Haehnel, Herbert E. 2,707,873.  
 Kaul, Emil W. 2,721,461.  
 Meyer, Christian F. 2,709,350.  
 Textile Machinery Corp.: *See*—  
 Vanderspek, Robert V., and Zeller. 2,723,809.  
 Textile Marking Machine Co., Inc.: *See*—  
 Filsinger, John F. 2,727,234.  
 Textile Trimming & Boarding Machine Co.: *See*—  
 Diehm, Kenneth F. 2,714,540.  
 Stout, Harold E. 2,722,728.  
 Textron American, Inc.: *See*—  
 Erbe, Paul E. 2,723,707.  
 Teykl, Irvin F., and J. S. Patterson, to Pan American Refining Corp. 2,698,831, Cl. 202—39.5.  
 Thacker, Carlisle M., and H. O. Folkins, to The Pure Oil Co. 2,714,085, Cl. 196—52.  
 Thaete, Max W. 2,713,324, Cl. 119—89.  
 Thain, Eric M.: *See*—  
 Baddiley, James, and Thain. 2,716,130.  
 Thale, Harry H. 2,711,715, Cl. 119—20.  
 Thalmann, Otto. 2,727,686, Cl. 235—88.  
 Thannhauser, Fred G., to Chrysler Corp. 2,720,931, Cl. 180—89.  
 Thaon, André, to Compagnie des Machines Syntegra. 2,706,943, Cl. 101—69.  
 Thar, Ferdinand J.: *See*—  
 Johnson, Henry L. 2,717,625.  
 Sherwood, Glenn L. 2,717,626.  
 Tharpe, Rollin B., and H. A. McAninch, to Borg-Warner Corp. 2,711,100, Cl. 74—15.66.  
 Tharpe, William L., and R. K. Wilson, to St. Joe Paper Co. 2,719,665, Cl. 229—52.  
 Thatcher, Charles J. 2,701,997, Cl. 98—39.  
 Thatcher, Harry W.: *See*—  
 Cadorette, George, and Thatcher. 2,714,404.  
 Thatcher, Ralph H. 2,717,027, Cl. 155—115.  
 Thayer, Clarence H., to Sun Oil Co. 2,704,228, Cl. 302—17.  
 Thayer, Clarence H., to Sun Oil Co. 2,704,741, Cl. 196—52.  
 Thayer, Clarence H., to Sun Oil Co. 2,715,567, Cl. 23—288.  
 Thayer, Clarence H., to Sun Oil Co. 2,715,568, Cl. 23—288.  
 Thayer, Eugene M.: *See*—  
 Kelly, Donald H., and Thayer. 2,723,821.  
 Thayer, Howard S. 2,720,275, Cl. 180—83.  
 Thayer, Inc.: *See*—  
 Wiley, Harry A., and Shaw. 2,707,633.  
 Thayer, Jean M.: *See*—  
 Fearon, Robert E., and Thayer. 2,712,081.  
 Thayer, Walter E. 2,723,442, Cl. 29—13.  
 Thedieck, Reiner, to Licentia Patent-Verwaltungs- G. m. b. H. 2,709,232, Cl. 317—235.  
 Theenhausen, Heinrich, to Anker-Werke Aktiengesellschaft. 2,704,527, Cl. 112—258.  
 Theibault, Albert R.: *See*—  
 Newsom, Kitchener K., and Theibault. 2,726,774.  
 Theile, Richard, to Pye Ltd. 2,726,351, Cl. 315—9.  
 Theisen, John P.: *See*—  
 Farr, Edward A., and Theisen. 2,707,745.  
 Theisen, John P., to Arvin Industries, Inc. 2,720,156, Cl. 99—329.  
 Thelander, Clement C. J., to Buffalo-Eclipse Corp. 2,707,362, Cl. 56—25.4.  
 Thelander, W. Vincent, to Dana Corp. 2,724,475, Cl. 192—99.  
 Thelander, W. Vincent, to Dana Corp. 2,727,612, Cl. 192—99.  
 Thelander, W. Vincent, and L. C. Witker, to Dana Corp. 2,725,966, Cl. 192—107.  
 Theriault, Jean M. 2,712,578, Cl. 200—106.  
 Thermal Research and Engineering Corp.: *See*—  
 Johnson, John A. 2,701,608.  
 Thermel, Inc.: *See*—  
 Norton, William H. 2,725,457.  
 Thermo Electric Co., Inc.: *See*—  
 Klassen, Stephen L. 2,707,273.  
 Thermoid Co.: *See*—  
 Wirth, Hans. 2,728,701.  
 Thesen, Nickolas: *See*—  
 Stearn, Wilmer T., and Thesen. 2,712,667.  
 Thesieres, Ernest A. 2,716,409, Cl. 129—8.  
 Theuerer, Henry C.: *See*—  
 Pfann, William G., and Theuerer. 2,701,326.  
 Thevenaz, Jean, to Pailard S. A. 2,719,000, Cl. 230—114.  
 Thevenon, Georges J., to Compagnie pour la Fabrication des Compteurs et Material d'Usines a Gaz. 2,713,148, Cl. 324—137.  
 Thibaudat, Albert, to Forges et Ateliers de Constructions Electriques de Jeumont. 2,706,758, Cl. 200—148.  
 Thibaudat, Albert, to Forges et Ateliers de Constructions Electriques de Jeumont. 2,719,195, Cl. 200—82.  
 Thibault, Joseph O., to Casco Products Corp. 2,701,297, Cl. 240—2.  
 Thibault, Joseph O., to Casco Products Corp. 2,703,103, Cl. 137—542.  
 Thibault, Moise: *See*—  
 Masson, Bernard, Thibault, and Berquier. 2,704,558.  
 Thibaut, Louis, to Compagnie Francaise des Essences Synthetiques Societe Anonyme. 2,707,163, Cl. 196—49.  
 Thibodeau, Leo E. 2,702,922, Cl. 17—5.  
 Thieblot, Armand J., to Fairchild Engine and Airplane Corp. 2,702,340, Cl. 240—2.1.  
 Thieblot, Armand J., and R. W. Davis, to Fairchild Engine and Airplane Corporation. 2,714,999, Cl. 244—74.  
 Thiel, Otto, to Midwest Supply and Mfg. Co. 2,722,784, Cl. 51—110.  
 Thiel, Otto, to Midwest Supply and Mfg. Co. 2,722,788, Cl. 51—145.  
 Thiele, Berthold R., to Speed Queen Corp. 2,711,297, Cl. 248—18.  
 Thiele, Hazel L. 2,712,668, Cl. 15—264.  
 Thiele, Mario: *See*—  
 De Benedetti, Francesco, and Thiele. 2,700,989.  
 Thielemann, Rudolf H., to United Aircraft Corp. 2,709,568, Cl. 253—77.  
 Thielen, Lawrence E.: *See*—  
 Chinn, Leland J., and Thielen. 2,727,907.  
 Thielman, Jean W. 2,722,010, Cl. 2—76.  
 Thielmann, Sebastian. 2,700,361, Cl. 116—105.  
 Thiem, Gerhard G.: *See*—  
 Patterson, Morehead, Wall, and Thiem. 2,726,086.  
 Thien-Chi, N'Guyen: *See*—  
 Suchet, Jacques, and Thien-Chi. 2,720,471.  
 Thiery, Alphonse M.: *See*—  
 Wright, Ernest W., and Thiery. 2,714,792.  
 Thies, Patrick L. 2,722,037, Cl. 17—5.  
 Thiokol Chemical Corp.: *See*—  
 Davis, Franklin O. 2,715,635.  
 Davis, Franklin O. 2,728,748.  
 Tobolsky, Arthur V., and Meltzer. 2,728,750.  
 Thiollet, Robert, R. Delattre, and M. Verdier, to Compagnie Francaise des Matieres Colorantes S. A. R. L. 2,710,885, Cl. 260—821.  
 Thirtle, John R.: *See*—  
 Loria, Anthony, Thirtle, and Weissberger. 2,728,659.  
 Thirtle, John R., and F. C. Duennebie, to Eastman Kodak Co. 2,701,197, Cl. 95—7.  
 Thirtle, John R., I. F. Salminen, and A. Weissberger, to Eastman Kodak Co. 2,728,661, Cl. 95—6.  
 Thiry, George L.: *See*—  
 Kaminky, Oscar H., Petersen, and Thiry. 2,705,121.  
 Thiry, Leon F. 2,706,126, Cl. 287—85.  
 Thiry, Leon F. 2,716,566, Cl. 287—85.  
 Tholl, Ernest M., to Yeomans Brothers Co. 2,722,461, Cl. 302—14.  
 Tholstrup, Clarence E.: *See*—  
 Bell, Alan, Knowles, and Tholstrup. 2,725,391.  
 Bell, Alan, Tholstrup, and Lappin. 2,728,784.  
 Thoma, Heinrich. 2,708,829, Cl. 57—34.5.  
 Thomae, Hans: *See*—  
 Seidenfaden, Wilhelm, Fischer, and Thomae. 2,709,165.  
 Thomae, Dr. Karl, G. m. b. H. Chemischpharmazeutische Fabrik: *See*—  
 Kottler, August, and Seeger. 2,710,299.  
 Kottler, August, and Seeger. 2,714,109.  
 Thomann, Fred A., and R. H. Meier, to Deere Mfg. Co. 2,719,394, Cl. 56—14.



- Thomann, Hans, and A. Steck, to Machine Tool Works Oerlikon, Administration Co. 2,707,479, Cl. 137—70.
- Thomann, Raymond A., and J. M. G. Vincent, to Textile and Chemical Research Co. Ltd. 2,709,492, Cl. 164—87.
- Thomann, Robert, Jr.: *See—*
- Anthony, Charles, Jr., and Thomann. 2,724,693.
- Thomas, Albert G. 2,707,361, Cl. 56—25.4.
- Thomas, Albert L., Jr.: *See—*
- Oglesby, Sabert, Jr., and Thomas. 2,711,626.
- Thomas, Alvin R. 2,713,887, Cl. 155—22.
- Thomas, Arthur, to Powers-Samas Accounting Machines Ltd. 2,704,602, Cl. 209—110.
- Thomas, Arthur H., Co.: *See—*
- Patterson, Edward B., and Dalton. 2,714,834.
- Schmid, Leopold J. 2,708,562.
- Thomas & Betts Co., The: *See—*
- Badeau, Carroll A. 2,701,273.
- Badeau, Carroll A. 2,721,986.
- Bergan, Martin D. 2,724,098.
- Bergan, Martin D. 2,727,219.
- Weber, Walter H. 2,701,351.
- Thomas, Charles D.: *See—*
- Allen, Howard G., and Thomas. 2,708,394.
- Thomas, Charles E., Jr., and S. Hershfield, to The Glenn L. Martin Co. 2,712,604, Cl. 250—33.
- Thomas, Charles L., to Sun Oil Co. 2,724,703, Cl. 252—411.
- Thomas, Charles L., to Sun Oil Co. 2,727,496, Cl. 123—1.
- Thomas, Charles W., to Ford Motor Co. 2,701,024, Cl. 180—69.
- Thomas, Chester A., to Babson Bros. Co. 2,706,965, Cl. 119—14.01.
- Thomas, Chester A., to Babson Bros. Co. 2,709,416, Cl. 119—14.54.
- Thomas, Clifford A.,  $\frac{1}{2}$  to R. Diamond. 2,717,159, Cl. 280—12.
- Thomas, Columbus A., Jr. 2,715,346, Cl. 81—72.
- Thomas, Dabney A., to V. M. Thomas. 2,726,485, Cl. 47—58.
- Thomas, David G. A., and E. H. Cooke-Yarborough, to The National Research Development Corp. 2,714,179, Cl. 315—163.
- Thomas, David L.: *See—*
- Clavier, Andre G., and Thomas. 2,723,378.
- Thomas, Donald, to Clinton Machine Co. 2,718,581, Cl. 219—15.
- Thomas, Edward B., and F. Hindley, to British Celanese Limited. 2,715,146, Cl. 260—658.
- Thomas, Edward B., T. H. Stothard, and E. H. Alcock, to British Celanese Ltd. 2,727,064, Cl. 260—532.
- Thomas, Edward, & Co. (Oswestry) Ltd.: *See—*
- Thomas, John D., and Roberts. 2,713,736.
- Thomas, Eugene P.: *See—*
- Wagner, Robert J., and Thomas. 2,726,909.
- Thomas, Eugene P., and R. J. Wagner, to Westinghouse Electric Corp. 2,726,910, Cl. 311—6.
- Thomas, Francis H.: *See—*
- Brown, Kenneth R., Piepho, and Thomas. 2,706,162.
- Thomas, Frank W.: *See—*
- Simon, Eli, and Thomas. 2,698,838.
- Simon, Eli, and Thomas. 2,728,741.
- Simon, Eli, Thomas, and Dixon. 2,728,702.
- Thomas, George F., to Prater Pulverizer Co. 2,708,033, Cl. 209—139.
- Thomas, Gerald R., A. R. Pasket, and C. B. McElhoe, to Briggs Mfg. Co. 2,703,430, Cl. 16—135.
- Thomas, Glen E., and J. E. Thomas. 2,703,902, Cl. 15—250.5.
- Thomas, Glenn M.: *See—*
- McClure, Glenn T., Thomas, and Erson. 2,723,884.
- Sexton, Everett P., and Thomas. 2,699,973.
- Thomas, Glenn M., to Westinghouse Air Brake Co. 2,699,971, Cl. 303—3.
- Thomas, Glenn M., to Westinghouse Air Brake Co. 2,719,059, Cl. 303—22.
- Thomas, Gordon E.: *See—*
- Williams, Frederic C., Kilburn, and Thomas. 2,700,588.
- Thomas, Gotthard A.: *See—*
- Friel, Roy L., and Thomas. 2,726,174.
- Thomas, Graham I., to National Research Development Corp. 2,700,504, Cl. 235—61.
- Thomas, Griffith H.: *See—*
- Tulane, Roy G., Thomas, and Richardson. 2,727,823.
- Thomas, Harold E., and F. P. Gilhooly. 2,712,284, Cl. 102—78.
- Thomas, Harry M. 2,713,368, Cl. 150—0.5.
- Thomas, Henry A. L.: *See—*
- Nute, Jay H., and Thomas. 2,713,454.
- Thomas Hydraulic Speed Controls, Inc.: *See—*
- Doshier, Luchion E. 2,704,141.
- Thomas, John R. 2,707,037.
- Thomas, John R. 2,712,867.
- Thomas Industries Inc.: *See—*
- Gerstner, Elmer E. 2,727,982.
- McGinty, William K., Procknow, and Warner. 2,708,711.
- Schwemmer, Albert, McGinty, and Bushcott. 2,717,955.
- Thomas, Ivor J., to Acrator Engineering Co. Ltd. 2,705,416, Cl. 73—1.
- Thomas, Jack. 2,703,571, Cl. 128—36.
- Thomas, Jack C., to Technical Appliance Corp. 2,705,283, Cl. 250—33.51.
- Thomas, James E.: *See—*
- Thomas, Glen E. and J. E. 2,703,902.
- Thomas, James R., to J. A. Weber. 2,713,304, Cl. 101—117.
- Thomas, Jesse F. 2,717,754, Cl. 248—166.
- Thomas, John, 50% to Deep Rock Oil Corp. 2,726,886, Cl. 286—33.
- Thomas, John D., and J. Roberts, to Edward Thomas & Co. (Oswestry) Ltd. 2,713,736, Cl. 39—9.
- Thomas, John F., 18% to A. Martin. 2,722,822, Cl. 70—167.
- Thomas, John J., J. E. Schwartz, and G. S. Clapp. 2,718,895, Cl. 134—83.
- Thomas, John R., to Thomas Hydraulic Speed Controls, Inc. 2,707,037, Cl. 192—4.
- Thomas, John R., to Thomas Hydraulic Speed Controls, Inc. 2,712,867, Cl. 192—61.
- Thomas, John W., to The Standard Oil Co. 2,720,980, Cl. 210—52.5.
- Thomas, Joseph R. 2,724,126, Cl. 5—13.
- Thomas, Laurence H., to American Electrical Heater Co. 2,721,251, Cl. 219—26.
- Thomas, Leonard L. R. 2,703,034, Cl. 88—17.
- Thomas, Levi M.: *See—*
- Gaver, Kenneth M., Lasure, and Thomas. 2,725,362.
- Thomas, Lucius P., Jr.: *See—*
- Hoyt, Clyde W., and Thomas. 2,718,550.
- Thomas, Maurice: *See—*
- Deubler, Louis H., Linn, and Thomas. 2,723,136.
- Thomas, Maurice G. 2,720,559, Cl. 179—156.
- Thomas, McCalip J., to A. E. Staley Mfg. Co. 2,701,257, Cl. 260—461.
- Thomas, McCalip J., to A. E. Staley Mfg. Co. 2,718,523, Cl. 260—461.3.
- Thomas, Michael. 2,714,128, Cl. 174—81.
- Thomas Mold & Die Co.: *See—*
- Badertscher, Clarence S., and Austin. 2,708,493.
- Thomas, Orrin H., and R. W. Fuller. 2,710,592, Cl. 119—33.
- Thomas, Percy H. 2,710,165, Cl. 253—69.
- Thomas, Philip J., and L. F. Geremia, to Connecticut Telephone and Electric Corp. 2,699,469, Cl. 179—100.
- Thomas, Ralph I.: *See—*
- Buck, W. Floyd, and Thomas. 2,699,793.
- Thomas Rentals, Inc.: *See—*
- Hoge, Ralph O., and Wadeldon. 2,715,534.
- Thomas, Richard O.: *See—*
- Pallotta, Arthur J., Bogdanski, and Thomas. 2,715,795.
- Thomas, Robert L.,  $\frac{1}{2}$  to C. S. Lupercio. 2,715,937, Cl. 155—76.
- Thomas, Robert M.: *See—*
- Clayton, Robert E., Jr., and Thomas. 2,701,221.
- Thomas Steel Forms, Inc.: *See—*
- Francis, Gerald T. and J. G. 2,707,814.
- Thomas, Stephen J. 2,702,050, Cl. 137—625.16.
- Thomas, Thomas H., to Bendix Aviation Corp. 2,699,686, Cl. 74—472.
- Thomas, Thomas R., to Auto Research Corp. 2,710,670, Cl. 184—27.
- Thomas, Thomas R., to Auto Research Corp. 2,710,671, Cl. 184—27.
- Thomas, Virgie M.: *See—*
- Thomas, Dabney A. 2,726,485.
- Thomas, Walter M., to American Cyanamid Co. 2,712,004, Cl. 260—85.5.
- Thomas, Walter M., to American Cyanamid Co. 2,718,515, Cl. 260—80.5.
- Thomas, Walter M., to American Cyanamid Co. 2,723,967, Cl. 260—78.5.
- Thomas, William A., to General Electric Co. 2,700,086, Cl. 200—144.
- Thomas, William B. 2,712,813, Cl. 123—41.14.
- Thomas, William L., and P. D. Holmes, to The British Petroleum Co. Ltd. 2,726,145, Cl. 23—270.5.
- Thomas, William S. 2,706,635, Cl. 273—192.
- Thomason, Norris R. 2,706,100, Cl. 248—255.
- Thommen, Hans, to Aktiengesellschaft Brown, Boveri & Cie. 2,708,700, Cl. 200—148.
- Thompson, Albert R.: *See—*
- Havens, Harry L., and Thompson. 2,702,729.
- Thompson, Albert V. 2,713,490, Cl. 273—88.
- Thompson, Archie E., to Lane-Wells Company. 2,714,932, Cl. 166—119.
- Thompson, Arthur M. 2,702,459, Cl. 62—117.4.
- Thompson, Belton S. 2,713,424, Cl. 211—27.
- Thompson, Ben V., and E. W. Deiss, to International Telephone and Telegraph Corp. 2,707,271, Cl. 336—20.
- Thompson, Benjamin, to Eastman Kodak Co. 2,725,387, Cl. 260—343.5.
- Thompson, Boyce, Institute for Plant Research, Inc.: *See—*
- Denny, Frank E. 2,723,909.
- Thompson, Bruce: *See—*
- Young, Donald M., and Thompson. 2,700,662.
- Thompson, Caney A., to International Paper Co. 2,712,330, Cl. 144—208.
- Thompson, Clarence R., to Special Equipment Co. 2,704,561, Cl. 146—28.
- Thompson, Clayton H., to Elgin Sweeper Co. 2,707,542, Cl. 192—105.
- Thompson, Clayton H., to Elgin Sweeper Co. 2,714,527, Cl. 299—29.
- Thompson, Clayton H., to Elgin Sweeper Co. 2,718,952, Cl. 192—105.
- Thompson, Clifford J. 2,728,377, Cl. 155—123.
- Thompson, Clinton O. and S. C. 2,704,566, Cl. 154—1.6.
- Thompson, Dale F., and E. L. McMullin, to Orchard Industries, Inc. 2,721,654, Cl. 209—2.
- Thompson, Earl C. 2,710,594, Cl. 119—72.5.
- Thompson Electric Co., The: *See—*
- Farrington, Robert K. and T. B., and Kurzenberger. 2,721,982.
- Farrington, Thayer B. and R. K., and Ikeda and Mercer. 2,728,848.



- Thompson, Elliott R., to The M. W. Kellogg Co. 2,722,948, Cl. 138—64.
- Thompson, Elmer B., to Globe Hoist Co. 2,705,502, Cl. 137—202.
- Thompson, Eugene K. 2,701,664, Cl. 222—176.
- Thompson, Eugene K. 2,726,791, Cl. 222—137.
- Thompson, Frederick C., M. Esterson, and A. J. Young, to English Electric Valve Co. Ltd. 2,716,711, Cl. 313—30.
- Thompson, Frederick C., M. Esterson, and A. W. Crook, to English Electric Valve Co. Ltd. 2,727,185, Cl. 315—39.71.
- Thompson Grinder Co., The: *See*—  
Krafft, Frederick G. 2,723,505.
- Thompson, H. I., Fiber Glass Co.: *See*—  
Parker, Leon, and Nordberg. 2,718,461.
- Thompson, Harold C.: *See*—  
Miller, Albert J., and Thompson. 2,723,857.
- Thompson, Harry E., to The Ohio Foundry & Mfg. Co. 2,726,654, Cl. 126—116.
- Thompson, Harry L., to Brooks Appliance Co. 2,720,202, Cl. 128—101.
- Thompson, Henry L., and J. A. Montgomery, to Lakeside Engineering Corp. 2,714,090, Cl. 210—3.
- Thompson, J. O.: *See*—  
Webb, James L. 2,704,478.
- Thompson, James H.: *See*—  
Simpson, Warren O., and Thompson. 2,722,356.
- Thompson, Jerome B., to C. J. Patterson Co. 2,710,112, Cl. 220—63.
- Thompson, John: *See*—  
Benninghoff, William L., and Thompson. 2,728,327.
- Thompson, John L.: *See*—  
Levin, Robert H., Magerlein, and Thompson. 2,719,856.
- Thompson, John S., to Parker Rust Proof Co. 2,702,425, Cl. 25—156.
- Thompson, Joseph C. 2,727,510, Cl. 128—69.
- Thompson, Kenneth B.,  $\frac{1}{4}$  to D. G. Angus. 2,710,560, Cl. 88—33.
- Thompson, Kenneth C. 2,715,045, Cl. 299—86.
- Thompson, Kevin N., to The Standard Oil Co. 2,715,610, Cl. 210—17.
- Thompson, Lee H. 2,723,157, Cl. 299—18.
- Thompson, Lester R., to The Reynolds & Reynolds Co. 2,722,070, Cl. 40—63.
- Thompson, Lionel D.: *See*—  
Blake, Floyd A., and Thompson. 2,723,653.
- Thompson, Lowell E.: *See*—  
Read, George E., Thompson, and Gollos. 2,718,188.
- Thompson Lumber Co.: *See*—  
Squires, David W. 2,724,521.
- Thompson Machine Co.: *See*—  
Neaves, Jack A. 2,704,177.
- Thompson, Mary J., and M. A. Watson. 2,698,943, Cl. 2—105.
- Thompson, Meredith H., and K. H. Walker. 2,706,895, Cl. 62—76.
- Thompson, Mortimer S., to Hercules Powder Co. 2,710,844, Cl. 260—13.
- Thompson, Mortimer S., to Hercules Powder Co. 2,710,845, Cl. 260—13.
- Thompson, Murray. 2,698,956, Cl. 16—114.
- Thompson, Niles J., to Gould-National Batteries, Inc. 2,724,012, Cl. 136—166.
- Thompson, Nora: *See*—  
Benninghoff, William L., and Thompson. 2,728,327.
- Thompson, Paige W., and A. L. Olson, to General Electric Co. 2,716,710, Cl. 310—258.
- Thompson, Parke H., to M. L. J. Lambert, doing business as Crystal-Flo Products Co. 2,700,934, Cl. 102—80.
- Thompson, Parke H., to the United States of America as represented by the Secretary of the Army. 2,715,873, Cl. 102—71.
- Thompson Products, Inc.: *See*—  
Anderson, David E. 2,717,149.
- Anderson, David E., and Van Hartesveldt. 2,699,326.
- Angell, Pierce T. 2,701,528.
- Aspelin, Leslie L., and Murray. 2,726,604.
- Booth, James H. 2,701,151.
- Braid, Murray D. 2,716,522.
- Colwell, Archie T. 2,699,917.
- Dackor, Emil, and Nelboeck. 2,699,019.
- Dackor, Emil, and Nelboeck. 2,722,867.
- Daniels, Leonard G., and Francis. 2,725,265.
- Gair, Albert W. 2,723,166.
- Gibian, Emil F. 2,716,270.
- Graham, Matthew P. 2,723,140.
- Griner, Charles F. 2,703,511.
- Gurnick, Raymond S., and Joy. 2,709,651.
- Ingledue, Elwood F. 2,707,143.
- Jones, Lewis J., and Wainer. 2,698,786.
- Lansing, Paul J. 2,713,981.
- Leininger, Roger R. 2,718,813.
- Marquis, Donald P. 2,705,163.
- Murray, John F. 2,724,406.
- Murray, John F., and Osborne. 2,699,724.
- Noon, T. Cyril. 2,702,877.
- Noon, T. Cyril, and Chapman. 2,707,866.
- Noon, T. Cyril, and Chapman. 2,718,903.
- Norton, Samuel H. 2,699,209.
- Norton, Samuel H. 2,704,422.
- Norton, Samuel H. 2,705,486.
- Prasse, Herbert F. 2,715,556.
- Ricks, Bernard E. 2,715,766.
- Ricks, Bernard E. 2,723,141.
- Roush, Milton S. 2,709,569.
- Sackett, James W. 2,700,936.
- Sletman, Herbert E. 2,716,401.
- Smith, Frederick E., and Hellman. 2,699,907.
- Snyder, Jacob R., and Schenkelberger. 2,702,563.
- Snyder, Jacob R., and Schenkelberger. 2,712,323.
- Steinmeyer, Ralph H., and Williams. 2,712,688.
- Townhill, Arthur. 2,716,581.
- Van Niel, Clarence R. 2,700,910.
- Wainer, Eugene, and Kempe. 2,711,973.
- Wainer, Eugene, and Kempe. 2,711,975.
- Thompson, Ralph B., to Universal Oil Products Co. 2,710,872, Cl. 260—326.5.
- Thompson, Ralph B., to Universal Oil Products Co. 2,726,228, Cl. 260—63.
- Thompson, Ralph B., to Universal Oil Products Co. 2,728,711, Cl. 196—41.
- Thompson, Ralph E., deceased; R. E. Thompson, Jr., and L. Withington, executors. 2,716,368, Cl. 82—1.
- Thompson, Ralph E., Jr.: *See*—  
Thompson, Ralph E. 2,716,368.
- Thompson, Richard B.: *See*—  
Thompson, Thomas F. 2,710,343.
- Thompson, Robert C., and K. M. Cayton. 2,722,691, Cl. 5—47.
- Thompson, Robert D. 2,709,668, Cl. 154—117.
- Thompson, Robert D. 2,727,278, Cl. 18—59.
- Thompson, Robert E., and R. J. Weimer. 2,722,935, Cl. 128—266.
- Thompson, Robert R., to Esso Research and Engineering Co. 2,708,261, Cl. 324—1.
- Thompson, Roger D., to Allen B. Du. Mont Laboratories, Inc. 2,719,955, Cl. 332—41.
- Thompson, Rutherford E. 2,716,278, Cl. 30—41.
- Thompson, Selma C.: *See*—  
Thompson, Clinton O. and S. C. 2,704,566.
- Thompson, Thomas. 2,717,662, Cl. 188—27.
- Thompson, Thomas F.,  $\frac{1}{4}$  to D. Belford and  $\frac{1}{4}$  to O. D. Olson and R. B. Thompson. 2,710,343, Cl. 250—6.
- Thompson, Walter S., to Milprint, Inc. 2,719,323, Cl. 18—1.
- Thompson, Wayne M.: *See*—  
Lerch, Edward J., Thompson, and Hornberger. 2,698,530.
- Thompson, William G. 2,725,140, Cl. 206—56.
- Thompson, William H.: *See*—  
Marrian, Stanley F., and Thompson. 2,703,763.
- Thompson, William J., to C. & M. Mfg. Co. 2,702,117, Cl. 206—75.
- Thompson, William J., to Mergenthaler Linotype Company. 2,714,951, Cl. 199—27.
- Thompson, William L. 2,700,270, Cl. 56—400.08.
- Thompson, William O., to Universal Equities Co. 2,705,872, Cl. 62—1.
- Thompson, Willis F. 2,718,099, Cl. 51—158.
- Thomsen, Alfred M. 2,704,437, Cl. 60—37.
- Thomsen, Alfred M. 2,716,591, Cl. 23—165.
- Thomsen, Alfred M. 2,720,455, Cl. 75—34.
- Thomsen, Alfred M. 2,720,515, Cl. 260—97.6.
- Thomsen, Christen C.: *See*—  
Fleischer, Svend S. C., and Thomsen. 2,723,683.
- Thomsen, Fred, 50% to C. Young. 2,710,120, Cl. 222—486.
- Thomsen, Soren M., to Radio Corp. of America. 2,727,807, Cl. 23—147.
- Thomsen, Soren M., to Radio Corp. of America. 2,727,808, Cl. 23—147.
- Thomsen, Theodore R., to Weltronic Co. 2,700,301, Cl. 73—116.
- Thomson, Barbara L. 2,723,856, Cl. 272—58.
- Thomson, E. Craig: *See*—  
MacDougall, Donald J., and Thomson. 2,710,365.
- Thomson, Edward. 2,706,546, Cl. 192—56.
- Thomson, Eli N. 2,723,575, Cl. 81—9.5.
- Thomson, Elihu C., to Electronics Corp. of America. 2,721,978, Cl. 324—103.
- Thomson, Elihu C., to Electronics Corp. of America. 2,727,119, Cl. 201—63.
- Thomson, Ely K., to Package Stacker, Inc. 2,703,653, Cl. 214—6.
- Thomson, James, to Mavor & Coulson Ltd. 2,727,617, Cl. 198—191.
- Thomson, James, and J. Findlay, to Mavor & Coulson Ltd. 2,707,403, Cl. 74—230.7.
- Thomson, James E., to Western Stamping Co. 2,705,553, Cl. 197—22.
- Thomson, Wade S. 2,699,005, Cl. 39—43.
- Thomson, William, R. C. Leith, and R. Hepburn, to Morton Machine Co. Ltd. 2,722,405, Cl. 259—41.
- Thon, James P. 2,706,576, Cl. 220—20.
- Thor Power Tool Co.: *See*—  
Fuehrer, George H. 2,720,401.
- Fuehrer, George H. 2,726,640.
- Fuehrer, George H. 2,728,323.
- Kaman, Frank A. 2,721,090.
- Mitchell, Walter G. 2,716,475.
- Mitchell, Walter G., and Kaman. 2,727,598.
- Thorburn, Milton R., to American Optical Co. 2,707,901, Cl. 88—22.
- Thorburn, Milton R., to American Optical Co. 2,726,570, Cl. 88—20.
- Thoreen, Thoreen & Lawson: *See*—  
Berntson, Chester Q. 2,700,506.
- Thorén, Herbert A.: *See*—  
Uddenberg, Göran O., and Thorén. 2,702,038.
- Thorens, Hermann, S. A.: *See*—  
Jahncke, Albert. 2,704,461.
- Thoresen, Einar, and G. E. Batchelder, to Rockwell Mfg. Co. 2,700,487, Cl. 222—19.



- Thoresen, John C., to B-I-F Industries, Inc. 2,700,807, Cl. 73—389.
- Thoresen, Oscar, to Westinghouse Electric Corp. 2,727,402, Cl. 74—361.
- Thoreson, Curtis H. 2,725,097, Cl. 155—189.
- Thorn Electrical Industries Ltd.: *See—*
- Ranby, Peter W., and Henderson. 2,726,214.
- Thorn, Herbert S.: *See—*
- Zeitlin, Edward J., Thorn, and Leighton. 2,727,203.
- Thorn, Howard W.: *See—*
- Burke, James A., and Thorn. 2,722,307.
- Thorn, James D., and A. V. G. Jackman, to Ruston & Hornsby Ltd. 2,715,816, Cl. 60—39.65.
- Thornbery, John H., to Milwaukee Gas Specialty Co. 2,705,532, Cl. 158—128.
- Thornbery, John H., to Milwaukee Gas Specialty Co. 2,717,290, Cl. 200—140.
- Thornbery, John H., to Milwaukee Gas Specialty Co. 2,728,386, Cl. 158—131.
- Thornburg, Harold A., to United States Rubber Co. 2,707,804, Cl. 18—39.
- Thornburg, Herbert W., to Bucyrus-Erie Company. 2,715,015, Cl. 255—15.
- Thornburg, Leo L. 2,711,708, Cl. 115—50.
- Thorndike, James O. 2,702,908, Cl. 4—37.
- Thorndike, James O., to Abington Textile Machinery Works. 2,716,035, Cl. 289—13.
- Thorne, Beryl F., to Telegraph Construction & Maintenance Co. Ltd. 2,707,803, Cl. 18—36.
- Thorne, Maurice A., to General Motors Corp. 2,711,229, Cl. 188—152.
- Thorne, Maurice A., to General Motors Corp. 2,725,122, Cl. 188—152.
- Thorne, Maurice A., and R. V. Hutchinson, to General Motors Corp. 2,702,701, Cl. 267—57.
- Thornley, Ernest R.: *See—*
- Penn, William S., and Thornley. 2,702,773.
- Thornton, Joseph E., to The Sherwin-Williams Co. 2,703,747, Cl. 23—105.
- Thornton, Madge S.: *See—*
- Thornton, Phillip H., Jr., and P. H. Thornton, III. 2,706,882.
- Thornton, Phillip H., Jr. 2,712,432, Cl. 254—88.
- Thornton, Phillip H., Jr., and P. H. Thornton, III, 20% to M. S. Thornton, 20% to T. T. Marley, 10% to C. S. Carlton, and 10% to R. H. Henderson. 2,706,882, Cl. 56—23.
- Thornton, Phillip H., III.: *See—*
- Thornton, Phillip H., Jr., and P. H. Thornton, III. 2,706,882.
- Thornwald, Everett D., to Clements Mfg. Co. 2,708,766, Cl. 15—332.
- Thorp, Clark E., L. C. Kinney, and R. F. Remaly, to Air Reduction Co., Inc. 2,700,648, Cl. 204—176.
- Thorp, Eric, to R. French. 2,722,486, Cl. 117—7.
- Thorp, Kenneth E., and L. W. Harms, to Standard Oil Co. 2,728,641, Cl. 23—288.
- Thorpe, Frederick G.: *See—*
- Colbeck, Albert G. A., and Thorpe. 2,718,748.
- Thorpe, Millard L.: *See—*
- Babcock, Lloyd L., and Thorpe. 2,704,037.
- Thorpe, Robert J., and D. F. Winters, to Westinghouse Electric Corp. 2,701,609, Cl. 158—36.
- Thorpe, Roy E.: *See—*
- Bell, Edward R., and Thorpe. 2,708,204.
- Harman, Denham, and Thorpe. Re. 23,979.
- Thorson, Arnett L., and L. C. Nolte. 2,715,303, Cl. 51—194.
- Thorstenstson-Rydborg, Carl A. S., to J. R. Andersson & Co. Aktiebolag. 2,726,069, Cl. 259—81.
- Thorwall, Earl A.: *See—*
- Erickson, Martin A., and Thorwall. 2,719,401.
- Threadgold, Ronald: *See—*
- Davison, Alan, and Threadgold. 2,722,567.
- Threads-Inc.: *See—*
- Cone, Richard R. 2,712,804.
- Threedy, Clarence E.: *See—*
- Patzner, William. 2,708,499.
- Tratsch, Walter A. 2,708,319.
- Throckmorton, John W., and J. S. Wallis, to Petro-Chem Process Co., Inc. 2,703,072, Cl. 122—33.
- Thrush, H. A., & Co.: *See—*
- Thrush, Marquis O. 2,723,676.
- Thrush, Marquis O., to H. A. Thrush & Co. 2,723,676, Cl. 137—197.
- Thumin, Carl, to I-T-E Circuit Breaker Co. 2,704,311, Cl. 200—108.
- Thunstrom, Nils A.: *See—*
- Dean, Milo M., Thunstrom, and Martin. 2,722,987.
- Thurauf, Walter: *See—*
- Grosskinsky, Otto, Thurauf, Benning, Huck, and Ewers. 2,726,262.
- Thurber, Francis R.: *See—*
- King, William H., Thurber, and Altschul. 2,726,155.
- Thurber, William F.: *See—*
- Quirolo, Charles F., and Thurber. 2,724,669.
- Thurman, Robert B. 2,718,725, Cl. 43—42.31.
- Thurman, Truman D. 2,718,545, Cl. 174—164.
- Thurmer, Fred: *See—*
- Regimbal, Laurent, and Thurmer. 2,699,172.
- Regimbal, Laurent, and Thurmer. 2,700,452.
- Thurston, Arthur L., to Revere Corp. of America. 2,716,547, Cl. 265—71.
- Thurston, Arthur L., to Revere Corp. of America. 2,723,844, Cl. 265—5.
- Thurston, Paul L., to Interwoven Stocking Co. 2,705,878, Cl. 66—14.
- Thurston, Paul L., to Interwoven Stocking Co. 2,708,838, Cl. 66—50.
- Thweatt, Hardin D., and C. G. A. Swanson, to Lake Erie Engineering Corp. 2,728,453, Cl. 207—2.
- Tibbets, Coyne C. 2,709,418, Cl. 119—73.
- Tice, Bruce K., to Avco Mfg. Corp. 2,726,598, Cl. 100—11.
- Tice, Bruce K., and P. A. Luthman, to Avco Mfg. Corp. 2,720,160, Cl. 100—98.
- Tice, Bruce K., and P. A. Luthman, to Avco Mfg. Corp. 2,722,096, Cl. 56—473.5.
- Tice, Edward F., Jr.: *See—*
- Hobson, Gordon G. 2,702,551.
- Tice, Linwood F., to Gelatin Research Society of America, Inc. 2,704,269, Cl. 167—82.
- Tickle, Richard F.: *See—*
- Lagaard, Alexander S. T. 2,722,294.
- Tidcombe, Edward J., to The Tan-Sad Chair Co. (1921) Ltd. 2,711,211, Cl. 155—164.
- Tidd, Edwin B., to Bell & Gossett Co. 2,699,760, Cl. 122—451.2.
- Tidd, Victor S., to Root-Lowell Mfg. Co. 2,720,421, Cl. 299—88.
- Tide Water Associated Oil Co.: *See—*
- Bishop, John W., and McBride. 2,709,156.
- Cunningham, Marion D., Jones, and Wulzen. 2,728,642.
- Rampino, Louis D. 2,719,110.
- Rampino, Louis D. 2,728,715.
- Vaughn, Samuel C. 2,712,518.
- Vaughn, Samuel C. 2,728,643—2,728,647.
- Vaughn, Samuel C. 2,728,728.
- Vaughn, Samuel C., and Donovan. 2,712,363.
- Tidwell, Calvin M.: *See—*
- Les Veauz, John L., and Tidwell. 2,715,599.
- Tieck, Max C. 2,715,966, Cl. 211—94.
- Tiedeman, Robert K.: *See—*
- Mergen, Joseph M., and Tiedeman. 2,699,220.
- Tiefenthaler, Andrew W. 2,728,303, Cl. 103—249.
- Tierney, Joseph E.: *See—*
- Percival, Isabel C., and Tierney. 2,717,170.
- Tierney, Peter R., to The Gunver Mfg. Co. 2,723,692, Cl. 144—293.
- Tierney, Thomas, 1/2 to L. C. Barail. 2,721,567, Cl. 134—158.
- Tiger, Emil, to Sound, Inc. 2,708,779, Cl. 24—213.
- Tigerman, Louis: *See—*
- Rue, Harold E., and Tigerman. 2,699,338.
- Tighe, Eugene G.: *See—*
- Springmeier, Edward H. 2,725,719.
- Tilden, Sydney G., Jr., to The Permafuse Corp. 2,704,267, Cl. 154—52.
- Till, Robert A., C. Anderson, and I. J. Acosta, to Crane Co. 2,722,401, Cl. 251—214.
- Tiller, Carrie V.: *See—*
- Tiller, Percy L. 2,706,484.
- Tiller, Percy L., 75% to C. V. Tiller. 2,706,484, Cl. 131—175.
- Tillery, Cloyd. 2,715,404, Cl. 130—30.
- Tilley, Aubra E., to Phillips Petroleum Co. 2,713,620, Cl. 179—171.
- Tilley, David H. 2,719,748, Cl. 296—24.
- Tilli, Vincent L., and M. L. Heintz, to General Electric Co. 2,711,460, Cl. 200—148.
- Tillinghast, Ray C. 2,728,287, Cl. 100—219.
- Tillman, Bevelyn. 2,709,103, Cl. 294—5.5.
- Tillotson, Everett S. 2,707,910, Cl. 98—99.8.
- Tillotson, Le Roy C., to Bell Telephone Laboratories, Inc. 2,724,806, Cl. 333—73.
- Tillotson, Neil E.: *See—*
- Parker, Kenneth, and Tillotson. 2,711,868.
- Tillou, Richard G., to W. H. Miner, Inc. 2,713,483, Cl. 267—1.
- Tillou, Richard G., to W. H. Miner, Inc. 2,713,485, Cl. 267—63.
- Tillson, Robert S.: *See—*
- Page, Robert G., and Tillson. 2,724,028.
- Tilly, James O. 2,723,078, Cl. 229—92.8.
- Tilly, James O. 2,727,676, Cl. 229—37.
- Tillyer, Edgar D., to American Optical Co. 2,727,843, Cl. 154—277.
- Tilney, Ralph B.: *See—*
- Schoen, Roger W., and Tilney. 2,720,840.
- Tilt-A-Door Corp.: *See—*
- Smith, Wesley A. 2,712,353.
- Tilton, Catherine C. 2,710,098, Cl. 209—358.
- Tilton, Warren D., Jr.: *See—*
- Hathaway, Claude M., and Tilton. 2,726,918.
- Hathaway, Claude M., and Tilton. 2,726,919.
- Time, Inc.: *See—*
- Faerber, Harry W. 2,703,050.
- Faerber, Harry W. 2,706,946.
- Faerber, Harry W. 2,711,004.
- Moe, William W. 2,721,908.
- Moe, William W. 2,727,940.
- Timerson, Adelbert E. 2,710,465, Cl. 37—53.
- Times Facsimile Corp.: *See—*
- Cooley, Austin G. 2,706,672.
- Cooley, Austin G. 2,717,822.
- Timeus, Lawrence G., to Timis Instrument Corp. 2,706,981, Cl. 128—76.5.
- Timeus, Lawrence G. 2,711,714, Cl. 119—5.
- Timis Instrument Corp.: *See—*
- Timeus, Lawrence G. 2,706,981.



- Timken Roller Bearing Co., The: *See*—  
Fleischmann, Martin. 2,724,647.  
Rundt, John W. 2,701,637.
- Timmerbeil, Ewald R. 2,716,749, Cl. 1—49.
- Timmerman, Julius W., to Allis-Chalmers Mfg. Co. 2,724,754, Cl. 200—144.
- Timmins, Leo H., to Chromium Mining & Smelting Corp., Ltd. 2,698,784, Cl. 75—27.
- Timmler, Helmut: *See*—  
Hörlein, Hans U., Andersag, and Timmler. 2,714,593.
- Timms, Ross L. 2,723,017, Cl. 194—9.
- Timms, Ross L., and A. T. Sigo. 2,698,713, Cl. 232—57.5.
- Timreck, Albert E.: *See*—  
Bavley, Abraham, and Timreck. 2,702,262.
- Tims, Herbert C.: *See*—  
Bartel, Tom H., Meade, Smith, and Tims. 2,714,969.
- Tims, Walter R., to Northern Electric Co., Ltd. 2,701,818, Cl. 174—28.
- Timson, Ernest A., and C. Hillingdon. 2,716,942, Cl. 101—144.
- Tingue, Brown & Co.: *See*—  
Foster, John W., Jr. 2,727,463.
- Tinker, Earl E.: *See*—  
Mueller, Frank H., Tinker, and Rhodes. 2,710,163.
- Tinker, Theodore B. 2,716,013, Cl. 251—4.
- Tinker, Walter H. 2,702,516, Cl. 115—16.
- Tinker, Walter H., to Fairbanks, Morse & Co. 2,713,826, Cl. 103—2.
- Tinkham, Charles W.: *See*—  
Stanton, William P., Jr., and Tinkham. 2,704,628.
- Tinkham, Charles W. 2,722,839, Cl. 74—5.44.
- Tinkham, Merton E., to Draper Corp. 2,707,006, Cl. 139—298.
- Tinkler, Frank H.: *See*—  
Bernhart, Finn W., Eckhardt, Janson, and Tinkler. 2,714,068.
- Tinnerman, George A., to Tinnerman Products, Inc. 2,712,465, Cl. 292—340.
- Tinnerman, George A., to Tinnerman Products, Inc. 2,719,558, Cl. 151—41.75.
- Tinnerman, George A., and R. A. Hartman, to Tinnerman Products, Inc. 2,703,912, Cl. 20—92.4.
- Tinnerman Products, Inc.: *See*—  
Balint, John, Mehlman, and Andrews. 2,710,705.  
Chvosta, Jerry F. 2,727,552.  
Flora, Laurence H. 2,698,979.  
Flora, Laurence H. 2,699,535.  
Flora, Laurence H. 2,715,215.  
Flora, Laurence H. 2,717,622.  
Flora, Laurence H. 2,717,749.  
Flora, Laurence H. 2,723,432.  
Flora, Laurence H., and Balint. 2,707,013.  
Flora, Laurence H., and Balint. 2,712,917.  
Flora, Laurence H., and Balint. 2,716,263.  
Flora, Laurence H., and Balint. 2,724,883.  
Frantz, Walter A. 2,726,888.  
Strange, John. 2,725,544.  
Tinnerman, George A. 2,712,465.  
Tinnerman, George A. 2,719,558.  
Tinnerman, George A., and Hartman. 2,703,912.
- Tino, Louis. Re. 24,089, Cl. 2—330.
- Tino, Louis. 2,707,285, Cl. 2—330.
- Tinsley, Everett O., and T. J. Morgan; said Tinsley assor. to said Morgan. 2,709,620, Cl. 296—49.2.
- Tipping, William F. 2,708,231, Cl. 219—39.
- Tip-Top Products Co.: *See*—  
Gresham, Claude D., and Hoffmann. 2,718,894.
- Tirocchi, Louis W. 2,726,449, Cl. 32—27.
- Tischbirek, Günther: *See*—  
Blaser, Bruno, and Tischbirek. 2,716,114.  
Blaser, Bruno, and Tischbirek. 2,716,115.
- Tisdale, Joseph C. 2,701,372, Cl. 3—27.
- Tishler, Max: *See*—  
Pfister, Karl, III, and Tishler. 2,715,626.  
Weijlard, John, and Tishler. 2,715,634.
- Tiso, John E.: *See*—  
Schaab, Rudolph S., and Tiso. 2,701,958.  
Schaab, Rudolph S., and Tiso. 2,712,230.
- Tissol, Carolyn E.: *See*—  
Goodhue, Lyle D., and Tissol. 2,704,246.  
Goodhue, Lyle D., and Tissol. 2,723,910.  
Goodhue, Lyle D., and Tissol. 2,726,980.
- Titanium Metals Corp. of America: *See*—  
Southern, Raymond L. 2,726,278.
- Titecomb, Albert S. 2,700,853, Cl. 51—209.
- Titeflex, Inc.: *See*—  
Phillips, John J. 2,700,140.  
Phillips, John J. 2,722,437.
- Titen-Trim, Inc.: *See*—  
Ross, Budd H. 2,717,397.
- Titmas, Reginald W. 2,722,394, Cl. 248—224.
- Tittel, Josef, U. Baumann, and K. Ott, deceased, by I. Ott, heir and guardian of minor heirs H. and R. Ott, to Siemens-Schuckertwerke Aktiengesellschaft. 2,710,931, Cl. 310—214.
- Tittl, Charles. 2,698,474, Cl. 24—257.
- Tittman, Jay: *See*—  
Sheer, Charles, and Tittman. 2,728,128.
- Titus, Anthony W.: *See*—  
Christian, Raymond A., Johnson, and Titus. 2,723,019.
- Titus, Charles H.: *See*—  
Woodward, Lewis J., and Titus. 2,702,358.
- Titus, Charles H., and R. E. Bednarek, to General Electric Co. 2,717,293, Cl. 200—150.
- Titus, Elwood O.: *See*—  
Perlman, David, Fried, Titus, and Langlykke. 2,709,705.
- Titus, Esbon Y., and C. Wankat, to Universal Oil Products Co. 2,720,537, Cl. 260—504.
- Titus, James L., to Magic Chef, Inc. 2,727,507, Cl. 126—191.
- Titus, William N. 2,720,197, Cl. 123—122.
- Tivoli, Alberto. 2,725,858, Cl. 123—25.
- Toastwell Co., Inc., The: *See*—  
McCullough, Paul J. 2,705,428.  
McCullough, Paul J. 2,724,039.
- Tobe Deutschmann Corp.: *See*—  
Dévot, André J. 2,700,136.
- Tobey, Raymond E., to Seeger Refrigerator Co. 2,719,406, Cl. 62—4.
- Tobias, George S.: *See*—  
Hickok, John E., Tobias, and McGee. 2,726,993.
- Tobias, Herrmann B. 2,725,708, Cl. 56—256.
- Tobias, Philip E., to Edward Stern & Co., Inc. 2,710,889, Cl. 178—5.2.
- Tobin, Clarence J., to General Motors Corp. 2,728,657, Cl. 75—178.
- Tobin, Kenneth J., and S. M. Nampa, to Evans Products Co. 2,725,826, Cl. 105—369.
- Tobler, Ernst, to Weka A.-G. 2,703,035, Cl. 88—22.5.
- Tobolsky, Arthur V., and T. H. Meltzer, to Thiokol Chemical Corp. 2,728,750, Cl. 260—79.7.
- Toby, Max E., to Package Enterprises, Inc. 2,708,539, Cl. 226—18.
- Tocci-Guilbert, Berne: *See*—  
Blum, Hosmer L. 2,717,478.
- Tocco, Joseph F. 2,706,572, Cl. 215—39.
- Toce, Charles A.: *See*—  
Gritman, Carl, Broussard, Toce, and Joynt. 2,715,082.  
Gritman, Carl, Broussard, Toce, and Joynt. 2,715,150.  
Gritman, Carl, Broussard, Toce, and Joynt. 2,715,151.  
Gritman, Carl, Toce, and Broussard. 2,715,081.  
Gritman, Carl, Toce, and Broussard. 2,715,148.
- Todd, C.: *See*—  
Koch, Frederick. 2,706,116.  
Koch, Frederick. 2,720,261.  
Powers, Walter P. 2,721,649.
- Todd, Charles W.: *See*—  
Cupery, Harold E., Searle, and Todd. 2,705,195.  
Currie, Chester C., and Todd. 2,698,805.  
Herrick, Elbert C., and Todd. 2,723,972.  
Herrick, Elbert C., and Todd. 2,723,973.
- Todd, Charles W., to E. I. du Pont de Nemours and Co. 2,723,192, Cl. 71—2.6.
- Todd, Charles W., to E. I. du Pont de Nemours and Co. 2,723,193, Cl. 71—2.6.
- Todd Co., Inc., The: *See*—  
Payne, Walter B. 2,723,621.
- Todd, Eric E., to Ventura Farms Frozen Foods, Inc. 2,703,761, Cl. 99—204.
- Todd, Eric E., to Ventura Farms Frozen Foods, Inc. 2,723,199, Cl. 99—104.
- Todd, Everett W., to Massey-Harris-Ferguson Inc. 2,718,183, Cl. 97—46.07.
- Todd, Everett W., to Massey-Harris-Ferguson Inc. 2,726,589, Cl. 97—47.65.
- Todd, Frank L., Jr. 2,724,653, Cl. 99—222.
- Todd, Guerin: *See*—  
Hauck, Paul A., and Todd. 2,710,698.
- Todd, Guerin, to Hanson-Van Winkle-Munning Co. 2,709,010, Cl. 214—89.
- Todd, Max E.: *See*—  
Shelev, Wayne H., Todd, and Goodwin. 2,724,136.
- Todd, Wilbur. 2,708,583, Cl. 279—6.
- Todhunter, William D. 2,725,629, Cl. 30—260.
- Todoroff, Edward J., to Iron Fireman Mfg. Co. 2,713,388, Cl. 158—91.
- Toelle, August: *See*—  
Getz, Raymond F., and Toelle. 2,701,865.
- Toepfer, Edwin F. 2,724,823, Cl. 340—276.
- Toepfer, Edwin F. 2,724,824, Cl. 340—276.
- Toeppen, Thurston H., to International Business Machines Corp. 2,723,740, Cl. 197—17.
- Tofanelli, Daniel D., to Otis Elevator Co. 2,700,434, Cl. 187—95.
- Toffemire, Benjamin F. 2,714,252, Cl. 32—63.
- Toffemire, Benjamin F. 2,720,701, Cl. 32—63.
- Toffolo, Dominic S. 2,713,128, Cl. 310—180.
- Togstad, Erling G.,  $\frac{1}{2}$  to T. H. Fraser, and  $\frac{1}{2}$  to W. Koerner. 2,725,750, Cl. 74—5.6.
- Tokar, John M.: *See*—  
Young, Ralph M., and Tokar. 2,710,177.
- Tokheim Corp.: *See*—  
Foss, Burdette W. 2,712,884.
- Tokyo-Metropolitan Office, The Governor of: *See*—  
Asano, Toru, and Teramura. 2,721,296.
- Tokyo Shibaura Electric Co., Ltd.: *See*—  
Kobuke, Yoshimasa, and Uehara. 2,714,095.
- Tol, Taeke: *See*—  
Teves, Marten C., Tol, and van der Linden. 2,698,912.
- Toland, Wayne G.: *See*—  
Morkoski, James, and Toland. 2,720,824.
- Toland, William G., Jr., to California Research Corp. 2,722,473, Cl. 23—134.
- Toland, William G., Jr., to California Research Corp. 2,722,546, Cl. 260—524.
- Toland, William G., Jr., to California Research Corp. 2,722,547, Cl. 260—524.
- Toland, William G., Jr., to California Research Corp. 2,722,549, Cl. 260—524.
- Tolbert, Arthur A., to Tex Tan of Yoakum. 2,711,768, Cl. 150—38.



- Tolcher, John M.,  $\frac{1}{2}$  to F. C. Daiss and  $\frac{1}{2}$  to A. Daiss. 2,712,779, Cl. 95—86.
- Toledo Scale Co.: *See*—
- Bradley, Robert O., and Maurice. 2,724,585.
- Bradley, Robert O., and Yeasting. 2,728,285.
- Brown, James D. 2,715,305.
- Brown, James D. 2,728,367.
- Fink, Walter A., and Brown. 2,706,502.
- Fink, Walter A., and Brown. 2,722,254.
- Guss, William A. 2,724,626.
- Haas, Arthur W. 2,719,070.
- Holmes, Merrell E. 2,722,196.
- Lindner, Arthur E., and Burtcher. 2,702,728.
- Lot, Leon C., and Haas. 2,722,227.
- MacLeod, Norman L., Krieg, Keeler, Wersits, and Somers. 2,702,684.
- Reiser, George C. 2,706,626.
- Williams, Lawrence S. 2,706,598.
- Williams, Lawrence S. 2,728,261.
- Yeasting, Maynard C. 2,712,082.
- Tolimit Gauges Ltd.: *See*—
- Wills, Sydney A., and Gathercole. 2,718,064.
- Wills, Sydney A., and Gathercole. 2,720,034.
- Tolkowsky, Charles. 2,700,779, Cl. 5—338.
- Tollberg, Charles, to Crown Cork & Seal Co., Inc. 2,716,517, Cl. 226—124.
- Tolle, Karl, to Eastman Kodak Co. 2,728,266, Cl. 88—57.
- Tollefson, Tolkak. 2,708,286, Cl. 16—158.
- Tolles, Walter E., to the United States of America as represented by the Secretary of the Navy. 2,700,135, Cl. 332—47.
- Tolles, Walter E., to the United States of America as represented by the Secretary of the Navy. 2,706,801, Cl. 324—43.
- Tolles, Walter E., to the United States of America as represented by the Secretary of the Navy. 2,715,198, Cl. 317—123.
- Tom, Ray E.: *See*—
- Landrigan, Richard B., Tom, and Fauser. 2,725,304.
- Toman, Frank J. 2,701,923, Cl. 36—3.
- Toman, John C.: *See*—
- Lillis, Stephen M., and Toman. 2,702,162.
- Tomarin, Harry A., to Loroco Industries Inc. 2,704,222, Cl. 294—87.2.
- Tomarin, Harry A., to Loroco Industries Inc. 2,712,959, Cl. 294—87.2.
- Tomarkin, Leandro W. 2,711,967, Cl. 106—287.
- Tomaschek, Rudolf K. A., to Anglo-Iranian Oil Co., Ltd. 2,699,062, Cl. 73—133.
- Tomaschek, Rudolf K. A., to Anglo-Iranian Oil Co., Ltd. 2,699,067, Cl. 73—382.
- Tomco Supply Corp.: *See*—
- Wheatley, Thomas. 2,707,613.
- Tomcufcik, Andrew S.: *See*—
- Webb, John S., and Tomcufcik. 2,714,110.
- Tomer, Robert B., to Columbia Broadcasting System, Inc., d. b. a. Hytron Radio & Electronics Co. 2,713,083, Cl. 178—5.4.
- Tomik, George A. 2,717,444, Cl. 31—22.
- Tomita, Masao: *See*—
- Uyeo, Shojiro, Tomita, and Kubota. 2,719,157.
- Tomkin-Johnson Co., The: *See*—
- Elder, Joseph R. 2,719,510.
- Tomkins, Walter M., to Continental Can Co., Inc. 2,727,641, Cl. 214—307.
- Tomlinson, Fay M. 2,703,084, Cl. 128—214.
- Tompkins, G. R.: *See*—
- Record, Truman. 2,708,551.
- Tompkins' Label Service: *See*—
- Friday, Ernest W. 2,725,244.
- Tompkins, Robert C.: *See*—
- Lesley, Robert F., and Tompkins. 2,726,054.
- Tompkins, Walter T. 2,699,551, Cl. 2—19.
- Tompkins, Walter T., to Nocona Leather Goods Co. 2,722,007, Cl. 2—19.
- Toms, Ernest J. 2,727,728, Cl. 255—63.
- Toms, Lloyd M., to Acme Visible Records, Inc. 2,725,879, Cl. 129—16.
- Tomsic, Guy. 2,727,253, Cl. 5—335.
- Toney, Ernest W., H. H. Ostroff, and A. C. Ballauer, to McDonnell Aircraft Corp. 2,716,459, Cl. 170—135.4.
- Tong, Lee K.: *See*—
- Fowler, William F., Jr., Spear, and Tong. 2,713,539.
- Tongue, Ben H. 2,710,315, Cl. 179—171.
- Tongue, Ben H., and I. S. Blonder. 2,710,314, Cl. 179—171.
- Tonna, Theodore: *See*—
- Arnieri, William. 2,719,496.
- Tooke, William R., Jr.: *See*—
- Sugarman, Nathan, and Tooke. 2,708,418.
- Toomey, Eugene J.: *See*—
- Burg, Kenneth E., Mann, Toomey, and Vance. 2,728,555.
- Tootal Broadhurst Lee Co. Ltd.: *See*—
- Nield, Leslie C. 2,705,453.
- Tootill, Geoffrey C.: *See*—
- Williams, Frederic C., Kilburn, and Tootill. 2,709,230.
- Topar, Louis P. 2,726,091, Cl. 279—93.
- Topinka, Alfred A.: *See*—
- Steinberg, Morris A., Sibert, and Topinka. 2,707,169.
- Topley, Bryan: *See*—
- Coates, Harold, Hunter, and Topley. 2,712,546.
- Topp, Howard A. 2,720,008, Cl. 20—42.
- Topping, Frank W. 2,706,385, Cl. 62—4.
- Torell, Bruce N., to United Aircraft Corp. 2,708,826, Cl. 60—39.28.
- Torgerson, Ernest L., 20 per cent to J. J. Hyde. 2,702,526, Cl. 119—14.55.
- Torke, Erich, F. Koch, and W. Diem, to Phrix-Werke Aktiengesellschaft. 2,698,489, Cl. 34—62.
- Tornado A.-G.: *See*—
- Brennecke, Ernst. 2,713,757.
- Tornberg, Henning T., to Modern Plastic Machinery Corp. 2,698,964, Cl. 18—12.
- Törnkvist, Rolf E. A., and V. W. Österberg, to Osakeyhtio Tebul Aktiebolag. 2,699,757, Cl. 121—38.
- Tornquist, Earl L., and C. Becker. 2,727,085, Cl. 174—42.
- Toro Mfg. Corp. of Minnesota: *See*—
- Cunningham, Omar L., Jr. 2,704,921.
- Torok, Julius J. 2,700,720, Cl. 201—63.
- Torrance, William R. L. 2,700,572, Cl. 296—37.2.
- Torrance, William R. L. 2,714,273, Cl. 43—42.18.
- Torrani, Piero. 2,720,688, Cl. 24—137.
- Torre, Alton J.: *See*—
- Tannenbaum, Daniel A., and Torre. 2,706,796.
- Torre, Alton J., to Radio Corp. of America. 2,707,730, Cl. 179—171.
- Torre, Pier L. 2,705,153, Cl. 280—284.
- Torre, Pier L. 2,705,154, Cl. 280—284.
- Torre, Pier L. 2,705,155, Cl. 280—284.
- Torre, Pier L. 2,705,156, Cl. 280—287.
- Torre, Pier L. 2,721,745, Cl. 280—281.
- Torrence, George R., to Colotrym Co. 2,705,820, Cl. 20—74.
- Torrent, Martin. 2,705,063, Cl. 190—51.
- Torres, Lorenzo. 2,705,543, Cl. 183—2.5.
- Torrey, Anthony J. 2,705,149, Cl. 275—8.
- Torricelli Creations, Inc.: *See*—
- Torricelli, Ugo. 2,716,978.
- Torricelli, Ugo. 2,716,994.
- Torricelli, Ugo, to Torricelli Creations, Inc. 2,716,978, Cl. 128—2.
- Torricelli, Ugo, to Torricelli Creations, Inc. 2,716,994, Cl. 135—33.
- Torrington Co., The: *See*—
- Brown, Edmund K. 2,719,391.
- White, Robert H. 2,724,625.
- Torrington Mfg. Co., The: *See*—
- Doty, Archibald C., Jr., and Morrison. 2,703,556.
- Hathaway, Charles A., and Cashen. 2,703,625.
- Klonoski, Stephen W. 2,699,239.
- Sampatacos, Peter M., and Franks. 2,712,835.
- Sampatacos, Peter M., and Klonoski. 2,699,238.
- Schiesel, Ervin E. 2,706,404.
- Torrissi, Alfred F., and F. W. Grahame, to General Electric Co. 2,724,076, Cl. 317—230.
- Torzewski, Ludwig. 2,721,711, Cl. 242—85.
- Toth, B. E.: *See*—
- Holum, Edwin B. 2,720,121.
- Toth, John, to Ford Motor Co. 2,726,970, Cl. 134—3.
- Toth, Julius, and R. H. Flick, to Westinghouse Electric Corp. 2,727,965, Cl. 200—168.
- Toth, Louis. 2,701,041, Cl. 189—78.
- Toth, Louis. 2,711,232, Cl. 189—73.
- Toth, Michael, to Allis-Chalmers Mfg. Co. 2,724,603, Cl. 286—11.14.
- Toth, Michael J., and J. T. Odbert, to The V. D. Anderson Co. 2,709,501, Cl. 183—80.
- Toth, Michael J., and D. R. Snoke, to The V. D. Anderson Co. 2,709,502, Cl. 183—92.
- Toti, Andrew J. 2,720,684, Cl. 20—57.5.
- Totzek, Friedrich, to Koppers Co., Inc. 2,702,743, Cl. 48—64.
- Totzek, Friedrich, to Koppers Co., Inc. 2,702,744, Cl. 48—206.
- Totzek, Friedrich, to Koppers Co., Inc. 2,709,152, Cl. 202—6.
- Touger, Martin L., and A. H. Kettler, to the United States of America as represented by the Secretary of the Air Force. 2,714,134, Cl. 179—115.5.
- Toulter, Pierre, to Bendix Aviation Corp. 2,706,412, Cl. 74—6.
- Toulmin, Harry A., Jr., to The Commonwealth Engineering Co. of Ohio. Re. 23,958, Cl. 62—124.
- Toulmin, Harry A., Jr., to The Commonwealth Engineering Co. of Ohio. Re. 23,988, Cl. 99—119.
- Toulmin, Harry A., Jr., to The Commonwealth Engineering Co. of Ohio. Re. 24,080, Cl. 99—200.
- Toulmin, Harry A., Jr., to The Commonwealth Engineering Co. of Ohio. 2,708,627, Cl. 99—2.
- Toulmin, Harry A., Jr., to Chadeloid Corp. 2,723,898, Cl. 8—6.5.
- Toulmin, Harry A., Jr., to Chadeloid Corp. 2,723,899, Cl. 8—6.5.
- Toulon, Pierre M. G., 75% to Products and Licensing Corp., and 25% to N. Moore and W. D. Hall, as joint-tenants. 2,708,268, Cl. 343—204.
- Toulon, Pierre M. G., 75% to Products and Licensing Corp., and 25% to N. Moore and W. D. Hall, as joint tenants. 2,713,657, Cl. 318—225.
- Toulon, Pierre M. G., 75% to Products and Licensing Corp., and 25% to N. Moore, and W. D. Hall, as joint tenants. 2,720,553, Cl. 178—5.4.
- Touly, Marcel, to Societe Dite: Hewittic, societe a responsabilite limitee siege social. 2,709,756, Cl. 307—73.
- Tour, Sam, to Harmon and Co. 2,723,927, Cl. 148—16.7.
- Touraton, Emile, C. Dumousseau, and R. Zwobada, to International Standard Electric Corp. 2,717,327, Cl. 315—6.
- Tourshou, Simeon I., to Radio Corp. of America. 2,698,903, Cl. 250—36.
- Tourshou, Simeon I., and I. G. Maloff, to Radio Corp. of America. 2,728,013, Cl. 313—92.



- Tourtellot, John A.: *See*—  
Strother, Fred P., and Tourtellot. 2,699,701.
- Tousignant, Samuel P. 2,709,565, Cl. 248—278.
- Toussaint, Richard P., to The Nichols Engineering Co. 2,722,230, Cl. 137—342.
- Touton, Rush D., to Wurton Machine Co. 2,718,891, Cl. 131—149.
- Touton, Rush D. 2,722,321, Cl. 214—5.5.
- Touvy, Robert, to Pilkington Brothers Ltd. 2,709,875, Cl. 51—112.
- Towell, Gordon: *See*—  
Mann, William, and Towell. 2,707,438.
- Tower Iron Works: *See*—  
Smith, Waldo W., and Tucker. 2,705,413.  
Prescott, Lewis A., Jr., and Smith. 2,714,240.
- Towle, Robert G., to Specialties Development Corp. 2,728,827, Cl. 200—86.
- Towler, Frank H.: *See*—  
Towler, John M. and F. H. 2,715,875.
- Towler, John M. and F. H., to Electraulic Presses Ltd. 2,715,875, Cl. 103—173.
- Towlsaver, Inc.: *See*—  
Layton, J. C. 2,711,860.  
Layton, J. C. 2,720,122.  
Layton, J. C., and Shaffer. 2,708,375.  
Layton, J. C., and Shaffer. 2,712,934.
- Towmotor Corp.: *See*—  
Haehn, Robert L., and Davis. 2,699,880.
- Towne, Edmund B.: *See*—  
Dickey, Joseph B., and Towne. 2,700,686.  
Dickey, Joseph B., and Towne. 2,724,716.
- Towne, Edmund B., and J. B. Dickey, to Eastman Kodak Co. 2,708,671, Cl. 260—306.8.
- Towne, Edmund B., and H. M. Hill, to Eastman Kodak Co. 2,726,237, Cl. 260—158.
- Towne, Edmund B., and H. M. Hill, to Eastman Kodak Co. 2,726,247, Cl. 260—306.8.
- Townend, Robert V.: *See*—  
Litant, Irving, and Townend. 2,716,593.
- Townes, Charles H., to Bell Telephone Laboratories, Inc. 2,701,098, Cl. 235—61.5.
- Townes, Charles H., to Bell Telephone Laboratories, Inc. 2,707,231, Cl. 250—36.
- Townes, Charles H., to Bell Telephone Laboratories, Inc. 2,707,235, Cl. 250—36.
- Townhill, Arthur, to Thompson Products, Inc. 2,716,581, Cl. 309—14.
- Townsend & Bottum, Inc.: *See*—  
Ghormley, Karl S., and Galbreath. 2,723,437.
- Townsend, Claude M., and E. M. Wilson, to Garment Hanger Co. 2,706,501, Cl. 140—81.5.
- Townsend, Earl D., to The Youngstown Welding & Engineering Co. 2,701,546, Cl. 118—426.
- Townsend Engineering Co.: *See*—  
Townsend, Ray T. 2,715,427.  
Townsend, Ray T. 2,722,255.
- Townsend, Franklin L., to Barber-Colman Co. 2,698,720, Cl. 242—41.
- Townsend, John J., to American Photofoil Corp. 2,700,629, Cl. 154—95.
- Townsend, Mark A., to Bell Telephone Laboratories, Inc. 2,702,357, Cl. 315—168.
- Townsend, Ray T., to Townsend Engineering Co. 2,715,427, Cl. 146—130.
- Townsend, Ray T., to Townsend Engineering Co. 2,722,255, Cl. 146—130.
- Townsend, Vernon G., to the United States of America as represented by the Secretary of the Navy. 2,703,497, Cl. 74—399.
- Toy, Arthur D. F., and J. R. Costello, Jr., to Victor Chemical Works. 2,706,738, Cl. 260—545.
- Toy, Arthur D. F., and K. H. Rattenbury, to Victor Chemical Works. 2,714,100, Cl. 260—80.
- Toy, Arthur D. F., and G. A. McDonald, to Victor Chemical Works. 2,715,136, Cl. 260—461.
- Toy, Arthur D. F., and J. R. Costello, Jr., to Victor Chemical Works. 2,717,249, Cl. 260—247.5.
- Traben, Josef, to Gebrüder Linck Maschinenfabrik und Eisen-giesserei "Gatterlinck." 2,720,228, Cl. 143—80.
- Trabon Engineering Corp.: *See*—  
Harter, Robert L. 2,718,281.
- Tracerlab, Inc.: *See*—  
De Bourgknecht, Pierre L. 2,728,862.  
Goodyear, William F. 2,728,863.  
Pearlman, Alan R. 2,716,162.  
Pennock, John C., and Bacchieri. 2,711,485.  
Smyth, Robert R. 2,711,486.  
Whitman, Alfred. 2,712,088.  
Ziffer, Garret F. 2,708,721.  
Ziffer, Garret F. 2,728,858.
- Trachet, Jacques J. 2,702,256, Cl. 117—115.
- Trachtenberg, Robert, and D. H. Westwood, to Radio Corp. of America. 2,713,160, Cl. 343—7.3.
- Tracht, Joseph H., to Gulf Research & Development Co. 2,720,265, Cl. 166—7.
- Tractomotive Corp.: *See*—  
Dobeus, Vander M., and Carlson. 2,722,320.
- Tracy, Glen M., to Wright Machinery Co. 2,706,073, Cl. 226—80.
- Trad Television, Inc.: *See*—  
Lagon, Andrew P. 2,724,033.
- Tradelius, Carl. 2,702,341, Cl. 240—108.
- Trade-Wind Motorfans, Inc.: *See*—  
Marker, William M. 2,710,573.
- Traettino, Albert A., to Economy Bindery Company. 2,714,732, Cl. 11—1.
- Trageser, Charles F., to Stadium Mfg. Co., Inc. 2,716,240, Cl. 2—93.
- Traban, Leo H. 2,718,310, Cl. 210—159.
- Trail Lock Corp.: *See*—  
Lucas, Guy L., Edwards, and Chaffin. 2,706,392.
- Trainer, Edgar W.: *See*—  
Tatel, Howard E., and Trainer. 2,715,680.
- Trainor, Robert J., to E. E. Crowe. 2,707,981, Cl. 146—3.
- Tramm, Heinrich, N. Geiser, and H. Kolling, to Ruhrchemie Aktiengesellschaft. 2,705,734, Cl. 260—683.
- Trammell, Earl M., Jr. 2,708,845, Cl. 70—181.
- Trammell, Earl M., Sr., to Huttig Sash & Door Co. 2,711,617, Cl. 49—48.
- Trammell, James, Jr. 2,710,686, Cl. 206—19.5.
- Tramposch, Herbert: *See*—  
Bennett, Leon, and Tramposch. 2,701,005.
- Trane Co., The: *See*—  
Ringquist, Clarence L., and Miner. 2,702,456.
- Trani, Nicholas V. 2,705,369, Cl. 33—3.
- Trankla, Grace M.: *See*—  
Kwartz, Michael J. 2,723,339.
- Transandean Associates, Inc.: *See*—  
Case, Rogers. 2,717,274.
- Transco Products, Inc.: *See*—  
Sawyer, Marshall W., and Kenway. 2,703,346.
- Transit Research Corp.: *See*—  
Piron, Emil H. 2,723,629.  
Russell, William T. 2,700,346.  
Russell, William T. 2,709,970.  
Russell, William T. 2,709,971.  
Russell, William T. 2,718,196.  
Russell, William T. 2,723,628.
- Transitron, Inc.: *See*—  
Baer, Ralph H. 2,711,513.
- Translon Co.: *See*—  
Jones, Charles E. 2,717,799.
- Trans-Lux Corp.: *See*—  
Csvercsko, Nicholas, and Jenkins. 2,699,705.
- Transograph, Inc.: *See*—  
Page, Harry L. 2,701,915.  
Page, Harry L. 2,713,721.
- Transparent Containers, Inc.: *See*—  
Luertzing, Paul R. and W. O. 2,708,050.
- Transparent Package Co.: *See*—  
Dowd, Laurence E. 2,702,254.
- Transport Equipment, Inc.: *See*—  
Olsen, Olaf C. 2,711,812.  
Olsen, Olaf C. 2,714,967.  
Olsen, Olaf C. 2,715,969.  
Olsen, Olaf C. 2,720,991.
- Transport Products Corp.: *See*—  
Dilley, Morris M., and Zehnder. 2,710,342.
- Tranter Mfg. Inc.: *See*—  
Greer, Carl S., Jr. 2,716,802.
- Trapanese, James V. 2,700,787, Cl. 15—256.6.
- Trasia Corp.: *See*—  
Kao, Chung-Chin. 2,728,816.
- Trask, Harold V.: *See*—  
Haley, Kenneth M., and Trask. 2,709,530.
- Tratsch, Walter A., to C. E. Threedy, trustee. 2,708,319, Cl. 35—25.
- Traub, Eberhard: *See*—  
Ortlieb, Alfred, and Traub. 2,726,179.
- Traugott, Paul, to Electro Physical Laboratories, Inc. 2,707,947, Cl. 128—2.07.
- Traugott, Paul, to Electro-Physical Laboratories, Inc. 2,709,430, Cl. 128—2.07.
- Trautman, Charles W.: *See*—  
Lupton, Clark R., Trautman, and Weber. 2,726,974.
- Trautman, Ira, 1/2 to W. Kubach. 2,699,811, Cl. 152—364.
- Trautman, Walter C., and L. L. Arnes, to Walker Mfg. Co. of Wisconsin. 2,706,052, Cl. 214—1.
- Trautvetter, George, to Heintz Mfg. Co. 2,723,445, Cl. 29—156.8.
- Traveler's Insurance Company, The: *See*—  
Bayer, Orson D., and Pinkham. 2,714,840.
- Traver, Robert I.: *See*—  
Ephraim, Max, Jr., and Traver. 2,711,303.
- Travers, Paul: *See*—  
Buck, Willard E., and Travers. 2,715,364.
- Travers, William B., to General Electric Co. 2,722,803, Cl. 60—39.37.
- Travilla, James C., to General Steel Castings Corp. 2,701,953, Cl. 61—27.
- Travilla, James C., to General Steel Castings Corp. 2,710,582, Cl. 105—190.
- Travilla, James C., and T. R. Gilchrist, to General Steel Castings Corp. 2,705,924, Cl. 105—188.
- Travis, Don C., to Simmons Co. 2,698,442, Cl. 5—11.
- Travis, Paul H. 2,715,746, Cl. 16—85.
- Travis, Robert A. 2,702,927, Cl. 22—5.5.
- Traxl, Frank J.: *See*—  
Blair, Frank, and Traxl. 2,700,217.
- Traylor, L. G.: *See*—  
Jones, Eynon. 2,701,549.
- Traylor, Samuel W., Jr. 2,699,900, Cl. 241—209.
- Trbojevich, Nikola J. 2,720,434, Cl. 308—202.
- Treadwell, Cyril G., and D. B. Munday, to International Stand-ard Electric Corp. 2,719,877, Cl. 178—43.5.



- Treadwell, Horace K. 2,713,716, Cl. 29—402.  
Treat, Lyle G., and L. L. Ryden, to The Dow Chemical Co. 2,727,012, Cl. 260—23.7.  
Treciokas, Jacob P.: *See—*  
Havican, Raymond V., and Treciokas. 2,715,440.  
Tree, Charles. 2,703,498, Cl. 74—424.8.  
Treff, Alfred, to City National Bank and Trust Co. of Chicago. 2,723,541, Cl. 65—61.  
Treffner, Arvo: *See—*  
Johnson, Karl G., and Treffner. 2,713,681.  
Trefz, Otto F. 2,712,817, Cl. 125—11.  
Trego, Robert L.: *See—*  
Hoggatt, Herbert H., and Trego. 2,706,284.  
Treiger, Eugene. 2,707,122, Cl. 292—229.  
Treis, Enlow E. 2,719,904, Cl. 219—21.  
Trekell, Harold E., to General Electric Co. 2,724,270, Cl. 73—195.  
Tremaine, Breckenridge K.: *See—*  
Meuly, Walter C., and Tremaine. 2,709,133.  
Tremaine, Nelson D.: *See—*  
Wollner, Paul, and Tremaine. 2,720,868.  
Trembicki, Harold L. 2,709,516, Cl. 205—8.  
Tremblay, Bernard G., and W. H. Stuellein, to Westinghouse Electric Corp. 2,725,442, Cl. 200—109.  
Tremblay, Paul E. 2,712,337, Cl. 150—52.  
Trembley, Fernand, to Societe de Recherches Techniques et d'Exploitations Industrielles. 2,724,587, Cl. 267—15.  
Trementozzi, Quirino A.: *See—*  
Hedrick, Ross M., and Trementozzi. 2,703,276.  
Trementozzi, Quirino A., to Monsanto Chemical Co. 2,726,206, Cl. 252—1.  
Tremolada, Guglielmo R., to Emsco Mfg. Co. 2,721,748, Cl. 286—15.  
Tremolada, Guglielmo R., and D. F. Preston, to Emsco Co. 2,698,734, Cl. 255—23.  
Trent, Robert L.: *See—*  
Kleimack, Joseph J., and Trent. 2,705,768.  
Trent Tube Co.: *See—*  
Bowman, Howard J. 2,716,691.  
Williams, Elmer W., and Bowman. 2,716,692.  
Trenton Corp., The: *See—*  
Kennedy, Ted. 2,713,383.  
Kennedy, Ted. 2,713,551.  
Treo Co., Inc.: *See—*  
Cantello, Nicholas. 2,722,008.  
Trepte, Hans F.: *See—*  
Hurley, Jason, and Trepte. 2,713,734.  
Treseder, Robert C.: *See—*  
Camping, Robert L., and Treseder. 2,698,666.  
Camping, Robert L., and Treseder. 2,708,483.  
Treseder, Robert C., A. P. Dinsmore, R. E. Moore, H. M. Geyer, and K. L. Berninger, to General Motors Corp. 2,699,304, Cl. 244—134.  
Treshow, Michael, to Monolith Portland Cement Co. 2,702,217, Cl. 308—204.  
Treshow, Michael, to Monolith Portland Cement Co. 2,726,047, Cl. 241—178.  
Tressler, Duane W. 2,711,900, Cl. 273—138.  
Tretheway, William J., R. J. Kennard, and E. L. Buker, to The Anaconda Co. 2,721,364, Cl. 22—79.  
Treuge, Gerhard: *See—*  
Braun, Willy, and Treuge. 2,716,652.  
Treuthart, Robert L.: *See—*  
Welborn, Arthur A., and Treuthart. 2,712,427.  
Trevvarthen, George C.: *See—*  
Sintz, Edward C., and Trevvarthen. 2,702,219.  
Trevaskis, Henry W., to Dunlop Rubber Co. Ltd. 2,724,565, Cl. 244—83.  
Trevaskis, Henry W., J. J. Ravenhall, and D. Dewar, to Dunlop Rubber Co. Ltd. 2,712,272, Cl. 89—136.  
Trevaskis, Henry W., and L. W. Wilkins, to Dunlop Rubber Co. Ltd. 2,724,408, Cl. 137—620.  
Trevino, Herbert F. 2,701,087, Cl. 228—40.  
Trevor, Bertram, to Radio Corp. of America. 2,702,343, Cl. 250—20.  
Trexler, Philip C., to University of Notre Dame du Lac 2,705,489, Cl. 128—1.  
Triangle Package Machinery Co.: *See—*  
Bagby, Ralph B. 2,727,657.  
Triantos, Nicholas D. 2,722,748, Cl. 33—170.  
Tri-Bilt Products Inc.: *See—*  
Ericson, Lester W. 2,718,885.  
Tricebock, Donald J., to Radio Corp. of America. 2,711,510, Cl. 324—41.  
Trichel, Gervais W., to Chrysler Corp. 2,700,272, Cl. 58—53.  
Trickey, Philip H., to Vickers Inc. 2,709,507, Cl. 192—21.5.  
Trickey, Philip H., and E. A. Groetke, to Vickers Inc. 2,721,964, Cl. 317—234.  
Trico Products Corp.: *See—*  
Bartoo, George O. 2,717,556.  
Bayes, Charles A., and Payne. 2,719,047.  
Deibel, Raymond. 2,708,130.  
Deibel, Raymond. 2,723,413.  
Horton, Erwin C., and Deibel. 2,722,200.  
Oishei, John R. 2,701,382.  
Oishei, John R. 2,702,397.  
Oishei, John R. 2,706,305.  
Oishei, John R. 2,708,911.  
Oishei, John R. 2,713,695.  
Oishei, John R. 2,721,350.  
Oishei, John R. 2,721,352.  
Oishei, John R. 2,722,455.  
Oishei, John R. 2,724,139.  
Oishei, John R. 2,724,854.  
Trico Products Corp.: *See—Continued.*  
Oishei, John R. 2,728,100.  
Oishei, John R., and Scinta. 2,700,785.  
Oishei, John R., and Scinta. 2,727,271.  
Rappl, Anton. 2,702,722.  
Rappl, Anton. 2,706,291.  
Whiteley, Stanley B. 2,723,139.  
Tricon Inc.: *See—*  
Kraeling, Harry A., Jr. 2,700,547.  
Tricot Somerset Inc.: *See—*  
Gamache, Jean-Paul. 2,705,827.  
Triem, Eugene T., to Continental Can Co., Inc. 2,703,514, Cl. 93—36.2.  
Trieschmann, Hans-Georg, W. Ender, L. Reuter, and W. Froese, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,711,997, Cl. 260—29.1.  
Triest, William E., to International Business Machines Corp. 2,709,757, Cl. 307—88.  
Trig Corp.: *See—*  
Graham, Philip J. 2,702,651.  
Tri-Line Co.: *See—*  
Klicpera, Clyde R. 2,701,134.  
Triller, Benjamin J., to Farley & Loetscher Mfg. Co. 2,699,205, Cl. 160—93.  
Trimman, Eugene L., to North American Aviation, Inc. 2,724,918, Cl. 41—9.  
Trimble, Charles H., to Western Electric Co., Inc. 2,700,407, Cl. 153—48.  
Trimble, Harry C., and A. E. Woelfel, to A-1 Bit & Tool Co., Inc. 2,709,490, Cl. 164—0.8.  
Trimble, Inc.: *See—*  
Baxter, William C. 2,720,437.  
Du Puy, Charles T., and Hahle. 2,720,402.  
Trimless, Inc.: *See—*  
Artzt, William W. 2,720,853.  
Artzt, William W., and Rieger. 2,707,927.  
Trinca, Frederick. 2,710,391, Cl. 340—58.  
Trinca, Frederick. 2,714,636, Cl. 200—61.25.  
Trindl, Joseph H. 2,698,955, Cl. 15—244.  
Trindl, Joseph H. 2,715,237, Cl. 15—244.  
Trinkle, Dallas R., to The Cincinnati Milling Machine Co. 2,704,012, Cl. 90—13.5.  
Triolo, Louis. 2,713,813, Cl. 93—54.2.  
Trion, Inc.: *See—*  
Landgraf, George F. 2,706,743.  
Triplett Electrical Instrument Co., The: *See—*  
Triplett, Milo M. 2,705,606.  
Triplett, Milo M. 2,708,609.  
Triplett, Ray L. 2,705,738.  
Triplett, William R. 2,712,113.  
Triplett, Joel E. 2,700,480, Cl. 214—84.  
Triplett, Milo M., to The Triplett Electrical Instrument Co. 2,705,606, Cl. 248—358.  
Triplett, Milo M., to The Triplett Electrical Instrument Co. 2,708,609, Cl. 308—159.  
Triplett, Ray L., to The Triplett Electrical Instrument Co. 2,705,738, Cl. 174—153.  
Triplett, William R., to The Triplett Electrical Instrument Co. 2,712,113, Cl. 324—156.  
Triplett, Worthington B. 2,698,725, Cl. 248—38.  
Tripp, Burrell H., to Luria Steel & Trading Corp. 2,713,924, Cl. 189—36.  
Tripp, Chester D., and L. W. Kass, to Grip Nut Co. 2,707,507, Cl. 151—41.7.  
Tripp, Chester D., and L. W. Kass, to Grip Nut Co. 2,709,469, Cl. 151—21.  
Tripp, David A.: *See—*  
Hedberg, Carl W. J., Tripp, and Wintermute. 2,708,008.  
Roberts, Lawrence M., and Tripp. 2,722,992.  
Tripp, Richard R.: *See—*  
Humpola, Frank J., and Tripp. 2,715,394.  
Tripp, Robert W., to Farrand Optical Co., Inc. 2,719,457, Cl. 88—72.  
Trist, Ronald, & Co. Ltd.: *See—*  
Newbould, Henry G. 2,725,439.  
Tritsmans, Remi G.: *See—*  
Adam, Gustaaf, and Tritsmans. 2,716,077.  
Trittschuh, Francis F., to General Motors Corp. 2,725,196, Cl. 236—44.  
Trivas, Victor A., and J. Bunow. 2,724,127, Cl. 5—53.  
Trobeck, Karl G.: *See—*  
Bergström, Hilding O. V., and Trobeck. 2,726,927.  
Troberg, George S. 2,712,304, Cl. 123—48.  
Troberg, George S. 2,728,332, Cl. 123—48.  
Troche, Herman J., to J. H. Holan Corp. 2,700,174, Cl. 16—85.  
Troche, Herman J., to J. H. Holan Corp. 2,700,527, Cl. 248—361.  
Troeger, Henry: *See—*  
Volk, Emil A., Jr., and Troeger. 2,728,234.  
Troeger, Henry, and B. W. Goldberg, to Bendix Aviation Corp. 2,727,371, Cl. 64—28.  
Troeger, Henry, and R. D. Palfreyman, to Bendix Aviation Corp. 2,699,343, Cl. 285—129.  
Troendle, Jean A. 2,724,566, Cl. 244—102.  
Troianello, Emilio J., to American Cyanamid Co. 2,724,694, Cl. 252—8.8.  
Trombe, Felix, to Centre National de la Recherche Scientifique (C. N. R. S.). 2,707,903, Cl. 88—84.  
Trombe, Felix, to Centre National de la Recherche Scientifique. 2,712,772, Cl. 88—25.  
Tromp, Klaas F. 2,721,658, Cl. 209—172.5.  
Tröndle, Alois, to L. Schuler, A.-G. 2,714,412, Cl. 153—2.



- Tronics, Inc.: *See*—  
Wescott, George A., Jr., and Geiger. 2,704,339.
- Tronnier, Albrecht W., to Voigtländer A. G. 2,720,139, Cl. 88—57.
- Troppe, Frederick J. 2,716,917, Cl. 84—400.
- Trösken, Otto, to Cassella Farbwerke Mainkur Aktiengesellschaft. 2,726,246, Cl. 260—302.
- Trossi, Domenico. 2,706,913, Cl. 74—95.
- Trosset, Stanley W., Jr.: *See*—  
Fisher, Harry C., and Trosset. 2,725,306.
- Trost, Conrad M. 2,704,635, Cl. 241—5.
- Troster, Oliver J. 2,718,344, Cl. 226—38.
- Troth Bright Page, Inc.: *See*—  
Bright, Stanley, Jr. 2,712,777.
- Trott, Samuel A.: *See*—  
Cox, Thomas O., Rankin, and Trott. 2,698,729.
- Trotter, Hobart O. and M. L., and C. W. Jarvis. 2,707,577, Cl. 222—30.
- Trotter, John C., and R. H. Dufort, to Bell Aircraft Corp. 2,699,300, Cl. 244—46.
- Trotter, Marvin L.: *See*—  
Trotter, Hobart O. and M. L., and Jarvis. 2,707,577.
- Trotter, Percy W., to Ethyl Corp. 2,717,233, Cl. 202—57.
- Trotter, Percy W., to Ethyl Corp. 2,717,272, Cl. 260—648.
- Trout, Clarence O. 2,713,851, Cl. 121—120.
- Trout, Clarence O. 2,713,852, Cl. 121—194.
- Trousdale, Robert B., to General Dynamics Corp. 2,721,938, Cl. 250—27.
- Trout, Norwood S., Jr., to Bendix Aviation Corp. 2,699,854, Cl. 192—51.
- Troutman, Harvey D., to Parke, Davis & Co. 2,721,214, Cl. 260—562.
- Trowbridge, James R., II, to Colgate-Palmolive Co. 2,704,280, Cl. 252—137.
- Troxell, Edgar R., Jr. 2,711,283, Cl. 230—42.
- Troy Blanket Mills: *See*—  
Macdonald, Kenneth W. 2,712,213.
- Troy Investments, Inc.: *See*—  
Demo, Max J. 2,701,711.
- Troyan, James E., and W. W. Northgraves, to Olin Mathieson Chemical Corp. 2,726,271, Cl. 260—650.
- Trubenizing Process Corp.: *See*—  
Liebowitz, Benjamin. 2,705,582.
- Trubey, Reginald P.: *See*—  
Jacobi, Charles R., Nord, and Trubey. 2,726,114.
- Trubv, George. 50% to P. J. Wald. 2,703,620, Cl. 166—60.
- Truck Equipment Co.: *See*—  
Garneft, Edward V., and Gromer. 2,715,014.
- Truck Equipment Co., Inc.: *See*—  
Walter, Robert J. 2,705,152.
- Trudeau, Richard, to C. J. Grenier Ltd. 2,721,325, Cl. 2—43.
- True, Martin E.: *See*—  
Ifrey, William T., and True. 2,716,341.
- True, Martin E., to Esso Research and Engineering Co. 2,715,943, Cl. 166—63.
- Truesdell, Francis W., to General Electric Co. 2,702,322, Cl. 200—38.
- Truffa, John P. 2,720,114, Cl. 73—428.
- Truffaut, Robert E. 2,725,593, Cl. 17—45.
- Truitt, Joseph A., to American Viscose Corp. 2,707,384, Cl. 68—200.
- Truitt, Joseph A., to American Viscose Corp. 2,722,817, Cl. 68—19.
- Trundle, Grant W. 2,723,471, Cl. 37—135.
- Truninger, Paul: *See*—  
Strauss, Manfred, and Truninger. 2,718,317.
- Trusler, Ralf B., and B. Sutton, to The Davies-Young Soap Co. 2,704,731, Cl. 117—113.
- Trusler, Ralf B., to The Davies-Young Soap Co. 2,710,285, Cl. 252—301.2.
- Trusler, Ralf B., to The Davis-Young Soap Company. 2,715,069, Cl. 106—10.
- Tryhorn, Donald W., to The British Internal Combustion Engine Research Assn. 2,724,340, Cl. 103—120.
- Tryon, Philip F., to Commercial Solvents Corp. 2,719,869, Cl. 260—648.
- Tryon, Philip F., to Commercial Solvents Corp. 2,719,870, Cl. 260—648.
- Tryon, Robert M., to Gilfillan Bros., Inc. 2,698,914, Cl. 315—30.
- Trznadel, Amelia. 2,718,008, Cl. 2—41.
- Tsai, Chang-Kaing: *See*—  
Franklin, Edmond G., and Tsai. 2,716,174.
- Tschappu, Franz. 2,715,254, Cl. 24—205.12.
- Tschirley, Norman K. 2,722,462, Cl. 308—4.
- Tschop, Harry E.: *See*—  
Fernsler, Edward B., and Tschop. 2,710,271.
- Tschudi, Traugott, to American Viscose Corp. 2,726,618, Cl. 113—59.
- Tschudi, Traugott, to American Viscose Corp. 2,726,619, Cl. 113—59.
- Tschudy, Donald B., to The Hoover Co. 2,719,318, Cl. 15—333.
- Tsubota, Min: *See*—  
Seko, Kaichi. 2,710,446.
- Tsuchiya, Henry M.: *See*—  
Hellman, Nison N., Tsuchiya, Rogovin, Jackson, and Senti. 2,726,985.
- Koepsell, Harold J., Hellman, and Tsuchiya. 2,726,190.
- Tsuchiya, Henry M., N. N. Hellman, and H. J. Koepsell, to the United States of America as represented by the Secretary of Agriculture. 2,724,679, Cl. 195—31.
- Tsuchiya, William S., to John Deere Killefer Co. 2,713,297, Cl. 97—47.51.
- Tubbs, Irl L. 2,713,713, Cl. 29—33.
- Tubbs, Lee J. 2,700,349, Cl. 110—21.
- Tubbs, Lester G., to Westinghouse Electric Corp. 2,712,115, Cl. 336—100.
- Tubbs, Philomena M. 2,721,012, Cl. 223—35.
- Tube Reducing Corp.: *See*—  
Haase, Fritz. 2,726,562.
- Singer, Fritz, and Haase. 2,713,801.
- Tube Turns Plastics, Inc.: *See*—  
Hendry, James W. 2,705,342.
- Hendry, James W. 2,705,343.
- Tuberty, Mary F. 2,721,463, Cl. 66—173.
- Tubing Appliance Co., Inc.: *See*—  
Brame, Allen J. 2,707,412.
- Brame, Allen J. 2,711,110.
- Brame, Allen J. 2,711,111.
- Brame, Allen J. 2,723,580.
- Fish, Herbert L. 2,708,855.
- Fish, Herbert L. 2,712,256.
- Fish, Herbert L. 2,712,257.
- Hermanson, Raymond W. 2,700,315.
- Johnson, Richard N. 2,715,347.
- Tuboscope Co.: *See*—  
Price, Berry G. 2,721,110.
- Tuck, George A., to International Sales Co. 2,704,538, Cl. 126—307.
- Tuck, James L., to the Minister of Supply in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. 2,703,366, Cl. 250—65.
- Tucker, Clarence A. 2,707,107, Cl. 279—2.
- Tucker, Eli J. 2,715,403, Cl. 128—327.
- Tucker, Emmitt M., to Tucker & Sons. 2,728,583, Cl. 280—44.
- Tucker, Gardiner L., to International Business Machines Corp. 2,700,147, Cl. 340—173.
- Tucker, Hartwell F.: *See*—  
Joyce, Maurice, and Tucker. 2,708,221.
- Tucker, Harvey C.: *See*—  
Robson, James T., and Tucker. 2,708,172.
- Tucker, Herbert E., to Cardwell Westinghouse Co. 2,701,063, Cl. 213—31.
- Tucker, Herbert E., to Cardwell Westinghouse Co. 2,713,425, Cl. 213—32.
- Tucker, Herbert E., to Cardwell Westinghouse Co. 2,720,319, Cl. 213—44.
- Tucker, Herbert E., to Cardwell Westinghouse Co. 2,705,569, Cl. 213—45.
- Tucker, Herbert F.: *See*—  
Smith, Waldo W., and Tucker. 2,705,413.
- Tucker, Hilry M. 2,722,850, Cl. 74—590.
- Tucker, James E.: *See*—  
Schwaderer, George J., Jr., and Tucker. 2,709,293.
- Tucker, Jean S.: *See*—  
Schwartz, Harold H., and Tucker. 2,716,768.
- Tucker, Ray, to Robert G. Evans Co. 2,726,651, Cl. 125—13.
- Tucker & Sons: *See*—  
Tucker, Emmitt M. 2,728,583.
- Tucker, Vernon L.: *See*—  
Boyer, Joseph M., and Tucker. 2,701,338.
- Tucker, Walter D.: *See*—  
Winsche, Warren E., Stang, Tucker, and Selvin. 2,710,249.
- Tucker, Warren R.: *See*—  
Cotner, John C., and Tucker. 2,698,585.
- Tucker, Welsey L.,  $\frac{1}{2}$  to L. W. Nuckolls and  $\frac{1}{2}$  to R. Nuckolls. 2,715,415, Cl. 137—442.
- Tucker, William. 2,708,756, Cl. 5—14.
- Tucker, William M., and F. O. Beuckman, to Eastman Kodak Co. 2,728,719, Cl. 204—23.
- Tuckerman, Arnold J., A. Gallaccio, and M. Kushner. 2,703,529, Cl. 102—43.
- Tudor, Michael K. 2,726,070, Cl. 259—107.
- Tueffel, Hannah E.: *See*—  
Raines, Thomas A. 2,714,379.
- Tufford, Walter W.: *See*—  
Gould, Marcus A., and Tufford. 2,726,026.
- Tufts, George E. 2,708,429, Cl. 124—2.
- Tulagin, Vsevolod, to General Aniline & Film Corp. 2,705,200, Cl. 95—2.
- Tulagin, Vsevolod, to General Aniline & Film Corp. 2,705,201, Cl. 95—88.
- Tulagin, Vsevolod, and R. F. Coles, to General Aniline & Film Corp. 2,717,831, Cl. 95—6.
- Tulagin, Vsevolod, to General Aniline & Film Corp. 2,727,062, Cl. 260—509.
- Tulagin, Vsevolod, to General Aniline & Film Corp. 2,727,821, Cl. 95—8.
- Tulagin, Vsevolod, to General Aniline & Film Corp. 2,728,669, Cl. 95—88.
- Tulane, Roy G., G. H. Thomas, and M. Richardson, to the State of Wisconsin. 2,727,823, Cl. 99—116.
- Tulenko, Paul: *See*—  
Balson, William J. 2,703,448.
- Tull, Robert H., to Westinghouse Electric Corp. 2,719,945, Cl. 318—325.
- Tull, Robert H., to Westinghouse Electric Corp. 2,724,560, Cl. 241—32.5.
- Tull, Wesley W.: *See*—  
Johnson, Lealand H., and Tull. 2,707,503.
- Tullsen, Volney: *See*—  
Tarantino, Frank R., and Tullsen. 2,723,980.



- Tullsen, Volney, to American Cyanamid Co. 2,723,981, Cl. 260—314.5.
- Turner, Leon, H. Silvestri, and C. Burke, to National Dairy Research Laboratories, Inc. 2,708,166, Cl. 99—57.
- Tummes, Hans, and H. Feichtinger, to Ruhrchemie Aktiengesellschaft. 2,702,820, Cl. 260—518.
- Tundermann, Werner O., to Colgate-Palmolive Co. 2,706,179, Cl. 252—137.
- Tung-Sol Electric Inc.: *See*—
- Atkins, Carl E. 2,722,638.
- Tunnell, William C.: *See*—
- Galbreath, Paul J., and Tunnell. 2,718,235.
- Tunnell, William C., to the United States of America as represented by the United States Atomic Energy Commission. 2,714,665, Cl. 250—41.9.
- Tunt, Charles E. 2,728,207, Cl. 62—141.
- Tuorto, Herbert J. 2,705,005, Cl. 125—14.
- Tupper, Earl S. 2,723,881, Cl. 299—90.
- Turbett, Clyde H.,  $\frac{1}{2}$  to J. A. Coulson. 2,717,443, Cl. 30—210.
- Turbett, George R., to Air Reduction Co., Inc. 2,727,970, Cl. 219—8.
- Turbo Machine Co.: *See*—
- Matthews, Howard W. 2,723,618.
- Turbosonics, Inc.: *See*—
- Latulippe, Eddy D. 2,716,463.
- Turchan Follower Machine Co.: *See*—
- Humes, Gale. 2,723,827.
- Turck, Karl H. W., to The Distillers Co. Ltd. 2,699,434, Cl. 260—31.8.
- Turco, Joseph J. 2,701,885, Cl. 5—334.
- Turco Products, Inc.: *See*—
- Holman, Emmette R. 2,700,654.
- Turcott, Joseph A. 2,716,567, Cl. 292—144.
- Turcotte, Fred J., to General Motors Corp. 2,721,659, Cl. 210—1.5.
- Turgi, Mary C. 2,704,397, Cl. 30—32.
- Turk, Anthony G., to The Gabriel Co. 2,699,909, Cl. 248—43.
- Turlay, Joseph D. 2,706,948, Cl. 102—14.
- Turlay, Joseph D., to General Motors Corp. 2,713,856, Cl. 123—90.
- Turlay, Joseph D., to General Motors Corp. 2,722,049, Cl. 29—428.
- Turlay, Joseph D., to General Motors Corp. 2,725,047, Cl. 123—122.
- Turlay, Joseph D., to General Motors Corp. 2,725,859, Cl. 123—52.
- Turnage, Howard C.: *See*—
- Haywood, Vernon M., Cayouette, and Turnage. 2,709,253.
- Turnbull, David O., to Missouri Automatic Control Corp. 2,722,274, Cl. 164—59.
- Turnbull, Frederick M.: *See*—
- Brown, Frank E. 2,702,147.
- Brown, Frank E. 2,717,601.
- Turnell, Thomas J., to Russell & Co. (Furniture) Ltd. 2,720,252, Cl. 155—196.
- Turner, Albert C., to Turner Bits, Inc. 2,698,738, Cl. 255—73.
- Turner, Benjamin H. 2,727,506, Cl. 126—110.
- Turner Bits, Inc.: *See*—
- Turner, Albert C. 2,698,738.
- Turner, Calvin L.: *See*—
- Woolslayer, Homer J., Jenkins, and Turner. 2,708,565.
- Woolslayer, Homer J., Jenkins, Turner, and Campbell. 2,706,540.
- Turner, Charles R., to Proctor Electric Co. 2,699,487, Cl. 219—37.
- Turner, Charles R., to Proctor Electric Co. 2,710,470, Cl. 38—79.
- Turner, Charles R., to Proctor Electric Co. 2,728,842, Cl. 219—20.
- Turner, Cora: *See*—
- Gluckin, Harry. 2,704,845.
- Turner, Douglas A.: *See*—
- Snyder, Clifford H., and Turner. 2,702,712.
- Turner, Earl E., to Esso Research and Engineering Co. 2,717,869, Cl. 202—33.
- Turner, Edgar P., to The Singer Mfg. Co. 2,702,214, Cl. 306—28.
- Turner, Edgar P., to The Singer Mfg. Co. 2,717,967, Cl. 310—76.
- Turner, Edgar P., and J. A. Herr, to The Singer Mfg. Co. 2,718,566, Cl. 200—86.5.
- Turner, Edgar P., and L. A. Wendel, to The Singer Mfg. Co. 2,718,945, Cl. 192—18.
- Turner, Edwin E., to Raytheon Mfg. Co. 2,713,263, Cl. 73—290.
- Turner, Emil L., Jr. 2,708,867, Cl. 98—2.
- Turner, Eugene L., to The Maytag Co. 2,703,737, Cl. 308—163.
- Turner, Francis A. 2,722,673, Cl. 340—52.
- Turner, Frank T.: *See*—
- Deibert, Clarence R., Turner, and Snider. 2,700,701.
- Turner, Frank T., L. G. Pollard, and C. R. Deibert, to The Western Union Telegraph Company. 2,715,202, Cl. 318—175.
- Turner, George L.: *See*—
- Mills, Burton L., and Turner. 2,711,341.
- Turner, George L., and M. R. Elliott, to Clark Equipment Co. 2,706,062, Cl. 214—730.
- Turner, Grady E. 2,717,816, Cl. 311—21.
- Turner, Guilford S., Jr.: *See*—
- Miller, Walter. 2,709,095.
- Turner Hall Corp.: *See*—
- Amendola, Leon. 2,723,671.
- Turner, Harry R.: *See*—
- Rollins, Jackson H., and Turner. 2,719,792.
- Turner, Howard L., and G. E. Cooper. 2,699,305, Cl. 244—141.
- Turner, Hubert L., to Union Carbide and Carbon Corp. 2,708,655, Cl. 204—140.5.
- Turner, James O. 2,726,713, Cl. 155—187.
- Turner, John. 2,713,921, Cl. 183—60.
- Turner, John. 2,722,997, Cl. 183—60.
- Turner, John E., and T. J. Terhune. 2,720,253, Cl. 155—196.
- Turner, John L., to A. B. Chance Co. 2,727,105, Cl. 200—48.
- Turner, Lawson W., Jr., to N & W Industries, Inc. 2,714,720, Cl. 2—227.
- Turner, Manuel L. 2,725,737, Cl. 67—7.1.
- Turner, Maud L., to Helmets Ltd. 2,715,227, Cl. 2—182.1.
- Turner, Ransom H., to Mergenthaler Linotype Co. 2,712,380, Cl. 199—50.
- Turner, Richard G., to Crompton & Knowles Loom Works. 2,714,403, Cl. 139—188.
- Turner, Richard R. 2,715,677, Cl. 250—8.
- Turner, Robert J.: *See*—
- Krueger, Paul A., Patterson, Turner, and Rands, Jr. 2,723,992.
- Turner, Robert P., Jr., to New York Wire Cloth Co. 2,728,390, Cl. 160—327.
- Turner, Tom, to Westinghouse Electric Corp. 2,728,002, Cl. 310—71.
- Turner, Tom G., to The Standard Register Co. 2,724,480, Cl. 197—133.
- Turner, William, to The Sheffield Twist Drill & Steel Co. Ltd. 2,728,251, Cl. 81—26.
- Turney, James. 2,711,578, Cl. 30—3.
- Turnham, Fitzhugh H.: *See*—
- Gilliland, William H., and Turnham. 2,709,739.
- Turpin, Frank G., Jr.: *See*—
- Richardson, Roger W., Moise, and Turpin. 2,702,434.
- Turpin, Geoffrey E., to The Steel Co. of Wales Ltd. 2,707,098, Cl. 261—14.
- Turrall, George, to R. Hoe & Co. Inc. 2,722,000, Cl. 1—7.
- Tursky, Charles M. 2,713,377, Cl. 153—64.
- Tusing, Roy S.: *See*—
- Spencer, Douglas C., and Tusing. 2,711,452.
- Tussey, Chester E. 2,707,074, Cl. 230—55.
- Tuten, James M., to Draper Corp. 2,707,975, Cl. 139—223.
- Tuteur, Marianne, to Talon, Inc. 2,723,398, Cl. 2—69.5.
- Tutherly, Herbert W., to the United States of America as represented by the Secretary of the Navy. 2,720,081, Cl. 60—39.65.
- Tuthill, John B. 2,718,481, Cl. 134—25.
- Tuthill, John B. 2,727,715, Cl. 251—141.
- Tuthill Pump Co.: *See*—
- Endebak, Peter J. 2,723,626.
- Tutino, Nicholas P. 2,700,834, Cl. 38—12.
- Tutt, Richard D., to Tuttle & Bailey, Inc. 2,724,320, Cl. 98—38.
- Tuttle, Alfred C. 2,702,513, Cl. 105—369.
- Tuttle & Bailey, Inc.: *See*—
- Payne, Nelson M. 2,713,350.
- Tutt, Richard D. 2,724,320.
- Tuttle, Charles D., and G. T. Larsen, to General Motors Corp. 2,722,908, Cl. 118—51.
- Tuttle, Clifton M., to Kenyon Instrument Co., Inc. 2,727,446, Cl. 95—14.
- Tuttle, Daniel V., to Ferro Electric Products, Inc. 2,728,829, Cl. 200—136.3.
- Tuttle, Edward S., to Harvell Mfg. Corp. 2,709,120, Cl. 311—83.
- Tuttle, Edward S., to Harvell Mfg. Corp. 2,722,387, Cl. 242—55.3.
- Tuttle, Frank H.: *See*—
- Dillon, Oscar W., and Tuttle. 2,724,218.
- Tuttle, John N., and P. J. Cooper, to Rhineland Paper Co. 2,704,599, Cl. 206—57.
- Tuttle, Richard C. 2,714,272, Cl. 43—25.
- Tuttle, Spencer C., and C. W. Garthwait, Jr., to Cly-Del Mfg. Co. 2,722,005, Cl. 1—187.
- Tutwiler, Thomas S., F. B. Fischl, and E. B. Cyphers, to Esso Research and Engineering Co. 2,706,177, Cl. 252—46.6.
- Tweddell, Archibald J. 2,722,906, Cl. 114—219.
- Twedt, Arthur B. 2,714,250, Cl. 30—180.
- 1250 West 80th Street Corp.: *See*—
- Lull, Le Grand H. 2,720,993.
- Twieg, George W., and A. E. Poarch, to Avoset Co. 2,701,767, Cl. 99—132.
- Twin Cities Container Corp.: *See*—
- Ritchie, Mansfield F. 2,709,032.
- Twin Cities Mfg. Co.: *See*—
- Argodale, John. 2,711,281.
- Twin Disc Clutch Co.: *See*—
- Black, James B., and Shurts. 2,702,616.
- Shurts, Wilbur F. 2,727,601.
- Twining, Homer L. 2,708,973, Cl. 166—22.
- Twitty, Robert W.: *See*—
- Greene, Oren W., Twitty, and Richie. 2,703,438.
- Twomey, Jeremiah J., to United States Rubber Co. 2,717,427, Cl. 19—153.
- Twomey, Lee S.: *See*—
- Schilling, Clarence J., and Twomey. 2,701,710.
- Twomey, Lee S., and C. J. Schilling, to Air Products, Inc. 2,720,389, Cl. 261—114.
- Tydings, William O. 2,710,616, Cl. 134—167.
- Tyler, Alfred W., and C. Wallour, to the United States of America as represented by the Secretary of the Navy. 2,706,281, Cl. 219—1.



- Tyler, Claude D. 2,723,097, Cl. 248—117.1.  
 Tyler, Edward M., to Faximile, Inc. 2,710,786, Cl. 346—74.  
 Tyler, John D. 2,699,008, Cl. 42—57.  
 Tyler, Leslie P., to General Electric Co. 2,726,917, Cl. 316—29.  
 Tyler, Paul J., and J. F. Wickham. 2,704,685, Cl. 294—65.  
 Tyler, Ransom, to The Oilgear Company. 2,714,854, Cl. 103—41.  
 Tyler Refrigeration Corp.: *See—*  
   Perez, Arthur. 2,727,364.  
   Swanson, Sven V. 2,706,387.  
   Swanson, Sven V. 2,725,726.  
 Tyler, Tracy B. 2,704,666, Cl. 272—36.  
 Tyler, Truman V.: *See—*  
   Roy, Albert E., and Tyler. 2,706,919.  
 Tyminski, Walter V., to Allen B. Du Mont Laboratories, Inc. 2,722,662, Cl. 336—20.  
 Tynan, James J., deceased; O. D. Tynan, administratrix, to R. S. Tynan. 2,722,989, Cl. 181—24.  
 Tynan, Olive D.: *See—*  
   Tynan, James J. 2,722,989.  
 Tynan, Robert S.: *See—*  
   Tynan, James J. 2,722,989.  
 Tyne, George H. 2,717,300, Cl. 219—1.  
 Typhoon Prop-R-Temp Corp. of Florida: *See—*  
   Garfield, Edward L. 2,699,655.  
 Tyrner, Joseph M., to Air Reduction Co., Inc. 2,723,331, Cl. 219—8.  
 Tyrseck, Walter J., to Robertson Paper Box Co. Inc. 2,701,088, Cl. 229—14.  
 Tyson, Charles W.: *See—*  
   Martin, Homer Z., and Tyson. 2,725,348.  
 Tzschoppe, Philip. 2,704,584, Cl. 187—8.75.  
 UCLAF: *See—*  
   Velluz, Léon, and Amiard. 2,707,710.  
 US Bobbin & Shuttle Co.: *See—*  
   Gosselin, Wilfrid J. 2,717,616.  
 USAG Ultraschall A. G.: *See—*  
   Pohlman, Reimar. 2,728,869.  
 USCO Power Equipment Corp.: *See—*  
   Murray, Royce L., McClure, and Garrison. Re. 23,930.  
 Uarco, Inc.: *See—*  
   Berggren, Thurston V. 2,720,829.  
   Euth, John E. 2,707,631.  
   Lach, John. 2,719,299.  
   Reuter, Clarence J. 2,722,369.  
 Ucciardi, Joseph. 2,699,176, Cl. 137—296.  
 Udale, Stanley M.: *See—*  
   Quinby, Charles E., Udale, and Giese. 2,705,866.  
 Udale, Stanley M., to Holley Carburetor Co. 2,709,207, Cl. 200—30.  
 Uddeholms Aktiebolag: *See—*  
   Mayer, Erwin, and Bolin. 2,725,301.  
 Uddenberg, Göran O., and H. A. Thorén. 2,702,038, Cl. 128—361.  
 Uddenborg, Johan R. 2,704,935, Cl. 72—16.  
 Udylite Corp., The: *See—*  
   Brown, Henry, and Fellows. 2,707,166.  
   Clark, Chester G. 2,722,513.  
   Davis, John V. Re. 24,072.  
   Davis, John V., and Clark. 2,716,415.  
   Hoover, Edwin W. 2,707,167.  
 Ueda, Takeo: *See—*  
   Takahashi, Kiyoshi, and Ueda. 2,701,812.  
 Uehara, Yasuo: *See—*  
   Kobuke, Yoshimasa, and Uehara. 2,714,095.  
 Ueltz, Herbert F. G., to Norton Co. 2,726,160, Cl. 106—38.22.  
 Uhas, Joseph L.: *See—*  
   Uhas, Louis B. and J. L. 2,699,980.  
 Uhas, Louis B. and J. L. 2,699,980, Cl. 312—62.  
 Uhing, Eugene H.: *See—*  
   McKinney, Leonard L., Setzkorn, and Uhing. 2,717,263.  
 Uhint, Friedrich: *See—*  
   Lautenbach, Friedrich, Uhint, Fickenscher, Haller, and Irtenkauf. 2,704,464.  
 Uhl, William H., to Commercial Controls Corp. 2,726,812, Cl. 235—101.  
 Uhland, Floyd M. 2,714,885, Cl. 128—75.  
 Uhler, Wilmer P., to The S. S. White Dental Mfg. Co. 2,701,118, Cl. 251—264.  
 Uhlig, Edwin C., and L. A. Murray, Jr., to United States Rubber Co. 2,702,758, Cl. 117—4.  
 Uhlig, Edwin C., and L. A. Murray, Jr., to United States Rubber Co. 2,717,423, Cl. 18—47.5.  
 Uhlman, Thomas L. 2,705,405, Cl. 62—117.85.  
 Uhlmann, Erich: *See—*  
   Lamm, Uno, and Uhlmann. 2,707,765.  
 Uhrin, John. 2,727,555, Cl. 153—15.  
 Uitjens, Abraham G. W.: *See—*  
   Dammers, Bernhardus G., and Uitjens. 2,698,897.  
   Dammers, Bernhardus G., and Uitjens. 2,710,353.  
   Dammers, Bernhardus G., and Uitjens. 2,725,468.  
 Ulam, John B. 2,718,690, Cl. 29—471.5.  
 Ulander, Per H. N., to James Howden & Co. Ltd. 2,714,314, Cl. 74—434.  
 Uldriks, Casper H.: *See—*  
   Smith, Harold J., and Uldriks. 2,698,698.  
 Ulfves, Carl A. 2,716,851, Cl. 51—232.  
 Ulich, Lynne H., to E. I. du Pont de Nemours and Co. 2,726,242, Cl. 260—276.  
 Ulin, Lars G.: *See—*  
   Hullegård, Erik W., Ulin, and Larshans. 2,706,746.  
 Uline, Migiel J. 2,707,644, Cl. 282—16.  
 Uline, William A.: *See—*  
   Swanson, George J., Uline, and Kokalas. 2,715,212.  
 Uline, William A., to Bendix Aviation Corp. 2,712,687, Cl. 29—155.55.  
 Ulinski, Bronislaus I., to The Yale & Towne Mfg. Co. 2,699,269, Cl. 214—620.  
 Ulinski, Bronislaus I., to The Yale & Towne Mfg. Co. 2,699,309, Cl. 248—120.  
 Ulinski, Bronislaus I., to The Yale & Towne Mfg. Co. 2,708,998, Cl. 198—51.  
 Ulinski, Bronislaus I., to The Yale & Towne Mfg. Co. 2,709,017, Cl. 214—671.  
 Ullman, Myron E., Jr.: *See—*  
   Stanitz, Jacques, Ullman, and Habe. 2,713,345.  
   Stanitz, Jacques, Ullman, and Habe. 2,715,408.  
 Ullom, Franklin P., to Berlin Chapman Co. 2,706,835, Cl. 20—1.126.  
 Ullyot, Glenn E., to Smith, Kline & French Laboratories. 2,700,040, Cl. 260—286.  
 Ulm, Ernest S., Jr.: *See—*  
   Fenster, Abraham S., and Ulm. 2,727,347.  
 Ulmschneider, Lawrence A., to Eastman Kodak Co. 2,708,648, Cl. 154—116.  
 Ulrich Foundation, Inc.: *See—*  
   Ulrich, Raymond M. 2,708,526.  
 Ulrich, Fritz, K. Centmaier, H. Eder, H. Hofmann, and F. Döring, to Siemens & Halske Aktiengesellschaft. 2,701,824, Cl. 179—27.51.  
 Ulrich, Fritz, W. Lohs, H. Hofmann, K. Centmaier, and H. Eder, to Siemens & Halske Aktiengesellschaft. 2,724,747, Cl. 179—27.51.  
 Ulrich, Raymond M., to Ulrich Foundation, Inc. 2,708,526, Cl. 214—140.  
 Ultraschall-Gerätebau Dr. Born & Co.: *See—*  
   Born, Heinz. 2,724,107.  
 Umbach, Helmut: *See—*  
   Grosskinsky, Otto, and Umbach. 2,700,056.  
 Umbdenstock, Robert R., to Chas. Pfizer & Co., Inc. 2,727,892, Cl. 260—239.1.  
 Umberger, Jacob Q., to E. I. du Pont de Nemours and Co. 2,699,994, Cl. 95—88.  
 Umhoefer, Robert R., to Food Machinery and Chemical Corp. 2,720,531, Cl. 260—369.  
 Umhoefer, Robert R., to Food Machinery and Chemical Corp. 2,720,532, Cl. 260—369.  
 Umstead, Lyman J. 2,719,689, Cl. 248—153.  
 Umstott, Haven D. 2,707,109, Cl. 280—95.  
 Underhill, Charles R., Jr., to Radio Corp. of America. 2,699,090, Cl. 88—28.92.  
 Underwood, Arthur F.: *See—*  
   Lewis, Clayton R., Bidwell, and Underwood. 2,715,830.  
 Underwood Corp.: *See—*  
   Anderson, Walter A. 2,703,642.  
   Anderson, Walter A. 2,710,140.  
   Anderson, Walter A. 2,711,855.  
   Anderson, Walter A. 2,720,960.  
   Anderson, Walter A. 2,724,551.  
   Betz, Herman. 2,721,042.  
   Kingsbury, Ralph E. 2,725,136.  
   Letterman, Charles B. 2,713,932.  
   Letterman, Charles B. 2,717,070.  
   Lubkin, Samuel. 2,717,375.  
   Penny, Chester F. 2,703,592.  
   Sharpe, Arthur H. 2,707,076.  
   Sharpe, Arthur H. 2,710,088.  
   Sharpe, Arthur H. 2,718,295.  
   Sharpe, Arthur H. 2,718,354.  
   Swanson, Oscar W. 2,710,139.  
   Wise, Elmer L. 2,705,067.  
   Wise, Elmer L. 2,707,077.  
   Yaeger, Harry C. 2,703,641.  
 Underwood Electric & Mfg. Co., Inc.: *See—*  
   Raleigh, James F. 2,720,416.  
 Underwood, Ivan L., and J. V. Sulga, to Kelsey-Hayes Wheel Co. 2,701,399, Cl. 22—112.  
 Unger, Louis R.: *See—*  
   Roth, William A. 2,728,430.  
 Unger, William H.: *See—*  
   Phillips, Virgel E., and Unger. 2,709,735.  
 Unholtz, Karl, to The MB Mfg. Co., Inc. 2,705,761, Cl. 310—27.  
 Unholtz, Karl, to The MB Mfg. Co., Inc. 2,706,400, Cl. 73—67.  
 Unik, Thomas J.: *See—*  
   Jast, George P., Fitzpatrick, and Gannon. 2,703,934.  
 Union Asbestos & Rubber Co.: *See—*  
   Corcoran, John F., Cryor, and Rector. 2,711,354.  
   Kirkpatrick, Henry O. Re. 23,998.  
   O'Connor, Arthur F. 2,699,229.  
   O'Connor, Arthur F. 2,725,132.  
 Union Bag & Paper Corp.: *See—*  
   Gross, Joseph F. 2,721,687.  
   Wheeler, Donald B. 2,728,479.  
 Union Broach Co., Inc.: *See—*  
   Reiter, David. 2,725,878.  
 Union Carbide Canada Ltd.: *See—*  
   Urry, Lewis F., Kennedy, and Brown. 2,707,200.



Union Carbide and Carbon Corp.: *See—*

Ahlstrand, Philip M., Starnes, and Strible. 2,725,722.  
 Alspaugh, Paul L., Heimaster, and McNeill. 2,699,328.  
 Aronson, Peter R. 2,699,596.  
 Bailey, Donald L. 2,723,983.  
 Bailey, Donald L. 2,723,984.  
 Bailey, Donald L. 2,723,985.  
 Bohnet, William J. 2,709,367.  
 Breymeier, Rudolph T. 2,702,846.  
 Brown, Charles M., and Shrubbsall. 2,715,765.  
 Clark, Jared W. 2,704,775.  
 Clark, Jared W. 2,704,777.  
 Conant, Louis, and Gillies. 2,698,990.  
 Culbertson, Russel P., and Fouch. 2,700,091.  
 Davis, Hubert G., and Wilson. 2,717,259.  
 Davis, Hubert G., Wilson, and Kurtz. 2,717,260.  
 Dunn, Jesse T. 2,717,897.  
 Fisher, Charles R., Southworth, Jr., Schumacher, and Bennett. 2,724,010.  
 Frostick, Frederick C., Jr., and Phillips. 2,716,123.  
 Greider, Clarence E., and Null. 2,710,812.  
 Guest, Howard R., and Kiff. 2,710,884.  
 Hartland, Derek. 2,702,408.  
 Hosfield, Lee C. 2,715,597.  
 Lanham, William M., and Smith. 2,718,524.  
 Larson, Howard L., and Winter. 2,709,660.  
 Lovell, James S. 2,719,089.  
 Mackinney, Herbert W. 2,723,924.  
 MacNeill, Samuel G., and Lindner. 2,699,993.  
 Montagna, Amelio E., and Bedoit. 2,721,881.  
 Persson, John A. 2,719,900.  
 Pilia, Frank J. 2,710,902.  
 Poorman, Richard M., Sargent, and Lamprey. 2,714,563.  
 Powers, John B. 2,718,473.  
 Ramadanoff, Dimiter. 2,699,404.  
 Repsher, Leonard, and Pedicini. 2,699,417.  
 Roth, Donald W., and Mitchell. 2,712,351.  
 Spindelow, Howard R., Jr., and Crafts. 2,703,277.  
 Stark, Louis E. 2,712,175.  
 Swallow, Herbert A. 2,698,962.  
 Turner, Hubert L. 2,708,655.  
 Wagner, George H. 2,705,206.  
 Wagner, George H. 2,705,222.  
 Werking, Leroy C. 2,709,659.  
 Whaley, Fred R., Smith, and Wellman. 2,699,419.  
 Wilkes, Benjamin G., Jr., and Steele. 2,699,452.  
 Wilson, Joseph E. 2,707,178.  
 Wood, Ernest H., and Wilkinson. 2,701,241.  
 Wood, Ernest H., and Wilkinson. 2,704,749.  
 Yendall, Edward F., and Zenner. 2,709,348.  
 Young, Donald M., and Thompson. 2,700,662.

Union Chimique Belge Societe Anonyme: *See—*

Guillissen, Clément J., and Gancberg. 2,703,294.  
 Guillissen Clément J., and Gancberg. 2,706,187.  
 Morren, Henri. 2,709,169.

Union des Verreries Mecaniques Belges: *See—*

Henry, Georges, and Brichard. 2,718,096.

Union des Verreries Mecaniques Belges S. A.: *See—*

Brichard, Edgard. 2,726,486.

Union Française Commerciale et Industrielle: *See—*

Lachampt, Felix L. 2,726,937.

Union Machine Co.: *See—*

Youngnickel, William O. 2,713,976.

Union Machinery Co.: *See—*

Marasso, Fred D. 2,728,508.

Union Mfg. Co.: *See—*

Skillin, Walter F. 2,725,236.

Union Metal Mfg. Co., The: *See—*

Streb, Joseph C., and Bole. 2,705,571.  
 Streb, Joseph C., and Osborne. 2,708,043.

Union Oil Co. of California: *See—*

Anderson, Leonard J. 2,701,919.  
 Berg, Clyde H. O. 2,708,604.  
 Berg, Clyde H. O. 2,709,673.  
 Berg, Clyde H. O. 2,724,619.  
 Bills, John L. 2,700,594.  
 Bills, John L. 2,713,601.  
 Carpenter, Clayton A. 2,714,930.  
 Carpenter, Clayton A. 2,728,396.  
 Dorsey, William S. 2,726,276.  
 Fischer, Paul W. 2,721,841.  
 Fischer, Paul W., and Nowak. 2,708,974.  
 Fischer, Paul W., and Scheffel. 2,717,239.  
 Fleck, Raymond N. 2,722,504.  
 Fleck, Raymond N., and Bills. 2,726,195.  
 Hanson, Ross A., and Polly. 2,721,190.  
 Hendricks, Grant W. 2,728,710.  
 Hines, John E., Jr. 2,717,810.  
 Hines, John E., Jr. 2,724,617.  
 McKinnis, Art C. 2,718,457.  
 McNeill, James M. Re. 24,083.  
 Nowak, Theodore J. 2,708,876.  
 Nowak, Theodore J., and Fischer. 2,714,929.  
 Oldham, Wilbur N., and Kropa. 2,718,497.  
 Polly, Orville L., and Cunningham. 2,721,188.  
 Schmidt, Ethan R. 2,711,752.  
 Schutte, August H. 2,703,732.

Union Savings & Trust Co., The: *See—*

Heltzel, John N. 2,698,560.

Union Special Machine Co.: *See—*

Cook, Martin L. 2,720,854.  
 Cottrell, Newton W. 2,712,802.  
 Hale, Arthur N. 2,718,860.  
 Peterson, Albert C. 2,721,528.  
 Peterson, Albert C. 2,727,480.  
 Peterson, Albert C., and Attwood. 2,711,146.  
 Peterson, Albert C., and Sauer. 2,721,527.  
 Peterson, Albert C., and Schweda. 2,712,805.  
 Sauer, George. 2,723,637.  
 Schweda, Albert M., and Wiedemann. 2,712,803.  
 Wallenberg, Ned L., Atwood, and Schoij. 2,704,042.

Union Starch & Refining Co.: *See—*

Cleland, James E., and Shively. 2,701,768.

Union Steel Products Co.: *See—*

Averill, Charles C. 2,705,604.  
 Averill, Charles C. 2,721,671.  
 Averill, Charles C., and Hobson. 2,700,522.  
 Bitney, Dewey H. 2,710,160.  
 Hatch, Charles T., and McKim. 2,724,486.

Union Stock Yards & Transit Co.: *See—*

Morrison, Willard L. 2,705,406.  
 Morrison, Willard L. 2,705,678.  
 Morrison, Willard L. 2,707,377.

Union Stock Yard and Transit Co. of Chicago, The: *See—*

Morrison, Willard L. 2,722,311.

Union Totalisator Co. Ltd., The: *See—*

Handley, John. 2,712,900.

Union Wadding Co.: *See—*

Axworthy, Charles G. 2,716,026.

Unipak Cartons Ltd.: *See—*

Pasjack, Steve. 2,706,935.  
 Pasjack, Steve. 2,727,653.

Uni-Pak Corp.: *See—*

Hagy, John T. 2,713,524.

United Aircraft Corp.: *See—*

Abild, Robert N. 2,714,803.  
 Alex, Ralph P. 2,719,593.  
 Alex, Ralph P. 2,720,271.  
 Brown, Bertrand H., and Esmeier. 2,708,343.  
 Brown, Edmund D. 2,702,454.  
 Bruynes, Hendrik. 2,709,917.  
 Carroll, Frank E., Jr. 2,703,699.  
 Coar, Richard J. 2,715,311.  
 Diefenderfer, William E. 2,702,215.  
 Geary, Frederick L. 2,714,285.  
 Jackson, Arthur H., Jr. 2,702,085.  
 Jedrzewski, Chester M. 2,704,583.  
 Jensen, Harry T. 2,699,833.  
 Katzenberger, Edward F. 2,702,171.  
 Kriehoff, Robert T. 2,722,391.  
 Ledwith, Walter A. 2,702,665.  
 Ledwith, Walter A. 2,702,687.  
 Ledwith, Walter A., and Shoup, Jr. 2,722,373.  
 Markowski, Stanley J. 2,709,337.  
 Newcomb, Philip P. 2,698,711.  
 Pearl, David R. 2,703,148.  
 Pindzola, Michael, and Gamage. 2,721,476.  
 Richmond, Nelson R. 2,727,597.  
 Shank, Earl D., and Talmadge. 2,721,482.  
 Small, Leslie C., Jr. 2,715,508.  
 Taylor, William G., Jr. 2,702,452.  
 Thielemann, Rudolf H. 2,709,568.  
 Torell, Bruce N. 2,708,826.  
 Wetherbee, Arthur E., Jr. 2,703,959.  
 Willgoos, Andrew V. D. 2,711,631.  
 Young, Francis W. 2,709,558.

United Aircraft Products, Inc.: *See—*

Geddes, Walter H. 2,725,069.

United Air Lines, Inc.: *See—*

Jensen, Evans A., and Davies. 2,722,824.

United Biscuit Co. of America: *See—*

Mittelman, Eugene. 2,723,517.  
 Moore, James B. 2,701,543.

United-Carr Fastener Corp.: *See—*

Becker, Philip D. 2,703,604.  
 Becker, Philip D. 2,703,742.  
 Becker, Philip D. 2,704,870.  
 Becker, Philip D. 2,709,830.  
 Bedford, William A., Jr. 2,700,805.  
 Bedford, William A., Jr. 2,704,680.  
 Bedford, William A., Jr. 2,709,286.  
 Bedford, William A., Jr. 2,713,284.  
 Bedford, William A., Jr. 2,715,250.  
 Bedford, William A., Jr. 2,715,350.  
 Clary, Frank A., Jr. 2,719,205.  
 Cochran, Clarence W. 2,712,120.  
 Flanagan, William H., Jr. 2,700,144.  
 Hall, Preston M. 2,710,386.  
 Heath, Clarence W. 2,726,376.  
 Herterick, Vincent R. 2,710,329.  
 Herterick, Vincent R. 2,712,047.  
 Howard, Forbes. 2,705,308.  
 Jones, Walter I. 2,724,884.  
 Murphy, Howard J. 2,705,784.  
 Murphy, Howard J. 2,718,044.  
 Ross, Robert E. 2,725,609.  
 Van Buren, Harold S., Jr. 2,723,433.  
 Woodward, Clement A. 2,702,359.  
 Wootton, William C. 2,715,402.

United Control Corp.: *See—*

Graybeal, Jake, and Lilleberg. 2,704,800.



- United Electric Coal Companies, The: *See*—  
Huey, John. 2,704,149.  
Kolbe, Frank F. 2,700,235.  
Kolbe, Frank F. 2,724,492.
- United Engineering & Foundry Co.: *See*—  
Grau, Herman E. 2,722,130.  
O'Keefe, John T., and Hammerstrom. 2,711,809.  
Talbot, Howard H. 2,722,392.
- United Engineers & Constructors Inc.: *See*—  
Haug, John S. 2,709,646.  
Minet, Ronald G. 2,723,951.  
Sweeney, Maxwell P. 2,720,526.
- United Findings Co. Inc.: *See*—  
Bellavance, Harold P. 2,723,547.
- United Gas Corp.: *See*—  
MacRoberts, Donald T. 2,706,908.  
Moore, William M. 2,709,920.
- United Gas Improvement Co., The: *See*—  
Haug, John S. 2,720,450.
- United Geophysical Corp.: *See*—  
Slavin, Matthew, III. 2,723,387.  
Swan, Merrill. 2,717,368.
- United Mattress Machinery Co.: *See*—  
Droll, Joseph W., and Sandberg. 2,706,814.  
Sandberg, Einar G. 2,726,822.
- United Merchants and Manufacturers, Inc.: *See*—  
Gibney, William J., and Ryder. 2,701,715.  
Talley, John F., and Coursey. 2,706,056.
- United Paper Co.: *See*—  
Vaughan, Thomas M. 2,713,446.  
Vaughan, Thomas M. 2,718,107.
- United Piece Dye Works, The: *See*—  
Blount, Charles, Jr. 2,720,018.
- United Screw Products & Mfg. Co.: *See*—  
Goff, John W. 2,700,370.  
Goff, John W. 2,714,391.
- United Shoe Machinery Corp.: *See*—  
Ashworth, Fred. 2,700,350.  
Bagshaw, Charles M., and Ruddock. 2,700,932.  
Baker, Willard L., and Goodnow. 2,711,558.  
Barton, William A., Pulford, and Rivington. 2,715,738.  
Bradley, Robert W., and Derrah. 2,719,901.  
Bradley, Robert W., and Hart. 2,727,560.  
Burke, George F. C. 2,722,024.  
Butler, Ernest L., and Eppler. 2,712,649.  
Buxton, Linus W. 2,700,168.  
Carter, James P. 2,722,187.  
Chandler, James D., and Pierce. 2,727,257.  
Choice, Frank C. 2,723,551.  
Clark, Alfred S. 2,698,680.  
Clark, Alfred S. 2,699,110.  
Clark, Alfred S. 2,721,344.  
Clark, Alfred S. 2,726,600.  
Clarke, Thomas B., and Gibson. 2,727,260.  
Crowell, Ernest M. 2,709,310.  
Cutler, Wallace M., Knowles, and Gross. 2,709,823.  
Daniels, Richard W., Jr., and Maciejowski. 2,701,462.  
Daniels, Richard W., Jr., and Maciejowski. 2,701,463.  
Doros, Adolph S. 2,703,896.  
Duplessis, René E. 2,712,663.  
Duplessis, René E. 2,714,216.  
Eastman, Fred C. 2,699,851.  
Eastman, Fred C. 2,700,920.  
Eastman, Fred C. 2,702,015.  
Eastman, Fred C. 2,705,298.  
Eastman, Fred C. 2,705,464.  
Eastman, Fred C. 2,716,764.  
Elliott, Harold E., and Frampton. 2,726,610.  
Ferland, Napoleon S. 2,714,215.  
Finn, Sidney J. 2,703,420.  
Gates, William O., and Perron. 2,721,989.  
Germany, Norman V. 2,723,634.  
Gulbrandsen, Helge. 2,716,766.  
Haas, Otto R. 2,707,290.  
Haas, Otto R. 2,707,926.  
Haas, Otto R. 2,717,568.  
Haas, Otto R. 2,723,633.  
Hart, George T. 2,728,839.  
Hay, Dana P. 2,720,852.  
Hill, Roscoe L. 2,724,845.  
Holyoak, John K., Robbins, Smart, and Wills. 2,722,023.  
Imhof, Herman A. 2,703,421.  
James, Cyril H. 2,724,938.  
James, Cyril H. 2,728,094.  
James, Cyril H., and Parker. 2,722,027.  
James, Cyril H., and Pratt. 2,719,989.  
Jorgensen, Bernhardt. 2,706,823.  
Juhola, Carl. 2,707,742.  
Kelham, Charles J. 2,715,301.  
Kestell, Thomas A. 2,720,666.  
Lancaster, John T. 2,706,822.  
Lee, Clifton M. 2,702,912.  
Lee, Ferman N., Shaw, and Diggle. 2,698,953.  
Lutyens, John L., and Pratt. 2,722,022.  
Macdonald, Lester S. 2,719,992.  
Mawbey, Lawrence. 2,712,660.  
Mawbey, Lawrence. 2,720,101.  
McIlvin, Donald B., and Hollick. 2,704,932.  
Naugler, Walter E. 2,712,662.  
Naugler, Walter E. 2,720,667.  
Parrelli, Benjamin F. 2,718,019.  
Paulsen, Hans C. 2,712,659.  
Pickford, George. 2,725,581.
- United Shoe Machinery Corp.: *See*—Continued.  
Pulford, Kenneth B. 2,725,033.  
Quinn, Edward, and Ferland. 2,722,182.  
Quinn, Edward, and Monfils. 2,716,765.  
Ruhr, Heinrich R. 2,727,261.  
Ruhr, Heinrich R., Eichhorn, and Jesse. 2,726,412.  
Seabury, Frank, II, and Woodman. 2,724,844.  
Senfleben, Paul W. 2,716,763.  
Simms, Ernest H., and Taylor. 2,718,648.  
Steimen, Lawrence E. 2,716,011.  
Steimen, Lawrence E. 2,727,259.  
Stratton, Frank E., and Scott. 2,719,310.  
Willmott, Herbert J. 2,719,990.
- United Specialties Co.: *See*—  
Miller, Walter W. 2,715,661.  
Spicer, John J., Jr. 2,714,140.
- United Steel Companies Ltd., The: *See*—  
Reeve, Lewis. 2,723,904.  
Reeve, Lewis. 2,723,912.  
Reeve, Lewis. 2,726,142.  
Reeve, Lewis, and Wells. 2,723,902.
- United States Air Force, United States of America as represented by the: *See*—  
Johnson, Francis M. 2,722,696.
- United States of America, the: *See*—  
Ewing, William M., and Worzel. 2,703,544.  
Hull, Edwin H., and Winslow. 2,698,514.  
Smullin, Louis D. 2,724,805.
- United States Atomic Energy Commission, United States of America as represented by the: *See*—  
Aas, Eugene A. 2,716,211.  
Aiken, William R. 2,712,114.  
Anderson, Robert L., Jr. 2,709,791.  
Backus, John G. 2,725,477.  
Backus, John G., and Peters. 2,715,683.  
Baker, William R. 2,721,699.  
Baker, William R., and Curran. 2,712,078.  
Barnes, Sidney W. 2,725,481.  
Barnes, Sidney W. 2,726,336.  
Barnes, Sidney W., and Brobeck. 2,727,152.  
Beach, John G. 2,711,364.  
Beach, John G., Schickner, and Faust. 2,711,389.  
Bevis, Murray. 2,712,075.  
Billups, James O. 2,720,105.  
Bloch, Ingram. 2,714,170.  
Borst, Lyle B. 2,726,339.  
Brewer, Aubrey K., Madorsky, and Taylor. 2,727,000.  
Brubaker, Wilson M. 2,717,963.  
Burney, James H., Appleton, De Livan, and Farly. 2,714,667.  
Campbell, Ivor E. 2,716,051.  
Cameron, Angus E. 2,703,843.  
Cardwell, Alvin B. 2,715,692.  
Chubb, Walston. 2,705,674.  
Clark, Maurice R. 2,708,148.  
Davoll, John, and Brown. 2,719,843.  
De Juren, James A. 2,715,695.  
De Liban, Robert, and Baker. 2,721,700.  
Deuser, Worrell H. 2,720,622.  
Dodds, Harry W., and Sawyer. 2,725,288.  
Driver, Garth E. 2,716,523.  
Featherstone, Robert P. 2,723,371.  
Fermi, Enrico, and Szilard. 2,708,656.  
Fermi, Enrico, and Zinn. 2,714,577.  
Findlay, Gordon R. 2,709,842.  
Frankel, Stanley P. 2,724,058.  
Galbreath, Paul J., and Tunnell. 2,718,235.  
Gandin, Antoine M. 2,707,555.  
Gibb, Thomas R. P., Jr., and Pasfield. 2,712,979.  
Glass, Floyd M. 2,728,861.  
Glenn, William E., Jr., and Larsh. 2,715,181.  
Goldsworthy, William W. 2,727,154.  
Goudsmit, Samuel A. 2,698,905.  
Hagemann, French T., and Andrews. 2,723,901.  
Hull, Harvard L., and MacNeille. 2,715,186.  
Hunt, Charles D'A., and Yockey. 2,712,223.  
Hunter, Lloyd P. 2,712,079.  
Inghram, Mark G., and Hess. 2,710,354.  
Joerndt, Wilbur A., and Kane. 2,713,093.  
Jones, Royce J., and Wright. 2,716,197.  
Larson, Clarence E. 2,723,181.  
Lawrence, Ernest O. 2,709,222.  
Lawrence, Ernest O. 2,714,664.  
Lawrence, Ernest O. 2,715,682.  
Lawrence, Ernest O. 2,721,272.  
Lawrence, Ernest O. 2,727,150.  
Lawrence, Ernest O., and Foster. 2,726,805.  
Leverett, Miles C., Ward, and Weills. 2,718,459.  
Iipkin, David, and Weissman. 2,719,777.  
Litton, James W., and Krueger. 2,712,636.  
Loevinger, Robert, Chubb, and Monk. 2,727,995.  
Lowe, Paul E., and Bellarts. 2,716,530.  
Luce, John S. 2,700,107.  
Luce, John S. 2,704,335.  
Mack, Dick A. 2,716,194.  
Mackintosh, Alexander D., and Hungerford. 2,715,359.  
MacNeille, Stephen M. 2,714,677.  
MacNeille, Stephen M., and MacKenzie. 2,715,693.  
Madey, Richard. 2,717,316.  
Madorsky, Samuel L. 2,728,717.  
Marker, Thomas F. 2,704,330.  
Martin, Emmett V. 2,712,073.  
Miller, Burton F. 2,714,666.



- United States Atomic Energy Commission, United States of America as represented by the: *See*—Continued.
- Miller, William T., and Kirshenbaum. 2,711,972.  
 Monroe, Paul S. 2,707,964.  
 Morgan, George W., Bizzell, Manov, and Hitch. 2,722,609.  
 Nagy, Rudolph, and Marden. 2,717,234.  
 Neil, Hugh G. 2,712,074.  
 Obergfell, Howard H. 2,725,028.  
 Oppenheimer, Frank. 2,719,925.  
 Oppenheimer, J. Robert, Frankel, and Nelson. 2,719,924.  
 Parkins, William E. 2,725,479.  
 Parkins, William E. 2,727,151.  
 Parsegian, Vozcan L., and Maninger. 2,717,964.  
 Pitzer, Edgar C. 2,713,554.  
 Polissar, Milton J. 2,725,278.  
 Polissar, Milton J. 2,725,284.  
 Powell, Wilson M. 2,727,190.  
 Presenz, Cecil S. 2,719,941.  
 Prestwood, Rene J., and Martin. 2,702,523.  
 Reid, John D. 2,714,165.  
 Reid, John D. 2,715,196.  
 Richards, Paul I., and Hays. 2,720,593.  
 Richardson, John R. 2,725,480.  
 Riggie, John W., and Roberts. 2,714,164.  
 Roberts, Newell O. 2,700,736.  
 Rockwell, Theodore, III, and McKinney. 2,727,996.  
 Roeschke, Conrad W. 2,715,185.  
 Savage, Howard W. 2,713,640.  
 Schmitt, Charles R., and Smiley. 2,706,676.  
 Schubert, Jack. 2,717,696.  
 Schwenzfeler, Carl W., Jr. 2,708,618.  
 Scott, James H., Valentine, and Gross. 2,713,677.  
 Scott, William L., Jr. 2,703,337.  
 Sewell, Curtis, Jr., and Button. 2,717,353.  
 Sewell, Duane C. 2,719,233.  
 Shapiro, Zalman M. 2,717,915.  
 Shea, James F., and Willigman. 2,703,271.  
 Sheer, Charles, and Tittman. 2,728,128.  
 Shonka, Francis R. 2,716,168.  
 Smith, Lincoln G. 2,709,750.  
 Smith, Phillips P. 2,725,993.  
 Smith, Robert E., Wuerth, Horsfall, Goldberg, and Leine. 2,713,266.  
 Spedding, Frank H., and Daane. 2,714,554.  
 Starr, Chauncey. 2,714,166.  
 Stevenson, Peter C., Franke, Borg, and Nervik. 2,714,555.  
 Stone, Joseph J., Jr. 2,700,149.  
 Stone, Joseph J., Jr. 2,705,108.  
 Street, Kenneth, Jr. 2,711,362.  
 Tunnell, William C. 2,714,665.  
 Vandenberg, Leonard B. 2,710,538.  
 Vandenberg, Leonard B. 2,716,943.  
 Van Dyke, Ross E., and Evers. 2,725,279.  
 Van Sickle, Roswell C. 2,712,076.  
 Waite, Leslie O. 2,721,273.  
 Wehrmann, Ralph F., and Rebol. 2,716,229.  
 Wender, Simon H., and Ice. 2,727,890.  
 Wiese, Randolph A. 2,716,075.  
 Wilhelm, Harley A., and Long. 2,700,606.  
 Willner, Monroe J. 2,728,220.  
 Wilson, Volney C. 2,728,867.  
 Winsche, Warren E., Stang, Tucker, and Selvin. 2,710,249.  
 Wooten, Allen D. 2,713,097.  
 Wouters, Louis F. 2,717,962.  
 Wright, Byron T. 2,725,478.  
 Wright, Byron T., and Lawrence. 2,713,641.  
 Yockey, Hubert P. 2,715,694.  
 Zinn, Walter H. 2,714,668.  
 Zinn, Walter H. 2,716,705.  
 Zinn, Walter H. 2,719,823.
- U. S. Blind Stitch Machine Corp.: *See*—  
 Buono, Mario. 2,699,131.
- U. S. Bobbin & Shuttle Co.: *See*—  
 Gosselin, Wilfrid J. 2,699,186.  
 Gosselin, Wilfrid J. 2,723,684.
- United States Drill Head Co.: *See*—  
 Bashor, James R., and Speckin. 2,709,267.
- United States Electric Mfg. Corp.: *See*—  
 Ciampa, Lincoln L. 2,698,495.
- U. S. Electrical Motors, Inc.: *See*—  
 Evans, William M., and Morrison. 2,708,985.  
 Luenberger, Frederick O. 2,721,774.  
 Luenberger, Frederick O. 2,727,795.  
 Myers, Thomas G. 2,719,738.
- United States Equipment Corp.: *See*—  
 Shideler, Ross O. 2,713,881.
- United States Gasket Co.: *See*—  
 Rudner, Merritt A. 2,724,095.  
 Rudner, Merritt A. 2,728,698.
- United States Gypsum Co.: *See*—  
 Downey, Richard M. 2,701,388.  
 Huntzicker, Harry N. 2,701,209.  
 Nelsson, Nels. 2,699,669.  
 Nelsson, Nels. 2,714,305.  
 Nelsson, Nels. 2,718,673.  
 Nelsson, Nels. 2,724,960.  
 Nelsson, Nels., and Baker. 2,721,471.  
 Page, John. 2,707,818.  
 Selbe, Rexford L. 2,699,414.
- United States Hoffman Machinery Corp.: *See*—  
 Armstrong, Francis J. 2,717,698.  
 Clark, Edgar R., Francey, and Hamlin. 2,705,221.  
 Clarke, Clarence M. 2,703,939.  
 Meyer, Henry C. A. 2,711,642.
- United States Instrument Corp.: *See*—  
 Coliz, James T. 2,709,734.  
 Warnke, Herbert R., and Barry. 2,699,478.
- United States Lift Slab Corporation: *See*—  
 Slick, Thomas B. 2,715,013.
- U. S. Metal Products Co., Inc.: *See*—  
 Lapidus, Sol H. 2,710,318.
- U. S. Plush Mills, Inc.: *See*—  
 MacIntyre, John A. 2,719,542.
- United States Plywood Corp.: *See*—  
 McFall, Joe B. 2,711,792.
- Sheffield, William H., Koeniger, and Hemming. 2,714,559.
- United States Printing & Lithograph Co., The: *See*—  
 Fischer, Howard J. 2,701,089.
- United States Rubber Co.: *See*—  
 Abbott, John F. S., and Otto. 2,707,205.  
 Abig, Albert H. 2,711,969.  
 Affleck, David C., and Wise. 2,711,311.  
 Amidon, Roger W. 2,722,555.  
 Barton, Bernard C., and Ganzhorn. 2,710,287.  
 Bevilacqua, Edward M. 2,725,414.  
 Bevilacqua, Edward M. 2,725,415.  
 Blaurock, Edward E. 2,709,096.  
 Brass, Philip D., and Eckert. 2,713,040.  
 Brooks, Marvin C., and Ewart. 2,715,135.  
 Brown, Robert W. 2,716,107.  
 Bull, Arthur W., and Matt. 2,705,529.  
 Butsch, Paul V. 2,711,977.  
 Cady, John E. 2,717,627.  
 Clayton, Alfred B., and Iknayan. 2,724,424.  
 Constantakis, George V., and Karsal. 2,708,957.  
 Cooper, Harry E. 2,726,398.  
 Dacey, William F., Gregg, and Hess. 2,721,811.  
 Daly, Lawrence E., Raymond, and Snyder. 2,706,698.  
 Doak, Kenneth W. 2,715,618.  
 Doak, Kenneth W. 2,715,650.  
 Doak, Kenneth W. 2,720,499.  
 Dosmann, Lucian P., Ferguson, and Strock. 2,698,816.  
 Feldman, Albert W., and Smith. 2,701,759.  
 Fischer, William K. 2,710,821.  
 Flood, David W., and Mulligan. 2,719,830.  
 Foster, Boutwell H. Re. 24,007.  
 Fuhrman, Albert W. 2,721,859.  
 Harris, Wilbur E. 2,712,847.  
 Harris, Wilbur E. 2,724,423.  
 Howe, Harold S., Hindin, and Mosshart. 2,728,612.  
 Hugger, Richard H. 2,725,647.  
 Iknayan, Alfred N. 2,699,194.  
 Iknayan, Alfred N., Peterson, and Batts. 2,702,286.  
 Iknayan, Alfred N., Peterson, and Batts. 2,702,287.  
 Keen, Alexis W. 2,701,708.  
 Kiernan, Conleth E., and Fischer. 2,728,703.  
 Ladd, Elbert C., Harvey, Cable, and Szayna. 2,725,411.  
 Little, Julian R. 2,710,291.  
 Mackay, Alexander C. 2,700,180.  
 Martin, Frank S., Pietraszek, and Dornik. 2,728,576.  
 Merrill, Robert A., and Mika. 2,726,922.  
 Miner, Samuel S. 2,706,108.  
 Miner, Samuel S., and Clark. 2,725,091.  
 Nelb, Robert G., and Alexander. 2,708,189.  
 Nelson, Harold T., and Pancheri. 2,705,690.  
 Nicolai, Arduo L. 2,712,924.  
 Olson, Mark W. 2,711,985.  
 Ostling, Carl A. 2,724,425.  
 Peterson, Lester C., and Batts. 2,726,224.  
 Peterson, Lester C., and Batts. 2,727,874.  
 Pooley, Robert W. 2,713,699.  
 Randall, Chester J., and Gruner. 2,724,676.  
 Rhodes, Thomas J. 2,708,176.  
 Rhodes, Thomas J. 2,710,425.  
 Richmond, Henry H. 2,708,680.  
 Rumbold, John S. 2,726,924.  
 Saulino, Anthony J. 2,726,925.  
 Seymour, Dexter C. 2,716,110.  
 Seymour, Dexter C. 2,716,111.  
 Seymour, Dexter C. 2,716,112.  
 Simpson, Verne G. 2,716,644.  
 Smith, Allen E., and Feldman. 2,701,760.  
 Smith, Cornelius W., and Seger. 2,709,471.  
 Snyder, Robert H. 2,717,908.  
 Tawney, Pliny O. 2,721,186.  
 Tawney, Pliny O., and Little. 2,701,895.  
 Tawney, Pliny O., Snyder, and Amidon. 2,719,137.  
 Thornburg, Harold A. 2,707,804.  
 Twomey, Jeremiah J. 2,717,427.  
 Uhlig, Edwin C., and Murray. 2,702,758.  
 Uhlig, Edwin C., and Murray. 2,717,423.  
 Wallace, Edward H. 2,700,998.  
 Warren, John C. R. 2,721,124—2,721,133.  
 Wikle, George F. 2,716,437.  
 Wikle, George F., Moore, and Stiegler. 2,717,628.  
 Williams, George M. 2,724,675.  
 Wright, Paul D. 2,727,295.  
 Young, Thomas C., and Preston. 2,726,493.
- U. S. Slicing Machine Co., Inc.: *See*—  
 Foster, James L. 2,698,638.  
 Klingens, Cornelis. 2,704,859.  
 Meyer, Paul H. Re. 24,103.



- United States Steel Corp. : See—**  
 Allen, William S. 2,719,820.  
 Bannister, Bryant. 2,700,201.  
 Burkhardt, Raymond A. 2,700,451.  
 Calvin, James W. 2,705,072.  
 Camp, James B., and Rose. 2,705,302.  
 Carlson, Clarence O., and Felgemacher. 2,704,611.  
 Chenault, Roy L. 2,720,839.  
 Clark, Stanley H. 2,708,557.  
 Coleman, William E. 2,701,356.  
 Cook, Willard O. 2,710,272.  
 Francis, Charles B., and Lynch. 2,709,143.  
 Hags, Joseph W. 2,710,370.  
 Hamilton, Jack L., Pakkala, and Smith. 2,704,883.  
 Haswell, Arthur B. 2,728,090.  
 Haswell, Ernest G. 2,725,491.  
 Hattman, Frederick A. 2,716,941.  
 Inglefield, Charles L., Jr. 2,708,171.  
 Johnston, Earl W. 2,699,017.  
 Johnston, Earl W. 2,706,340.  
 Johnston, John M., and Magee. 2,704,612.  
 Keim, Charles J., and Rizzone. 2,703,161.  
 Keim, Charles J., and Rizzone. 2,703,162.  
 Kelso, John W. 2,699,697.  
 Lanstrom, Carl T. 2,710,062.  
 Lanstrom, Carl T. 2,719,678.  
 Lindstrom, Walter A., and Preuss. 2,715,958.  
 Lorig, Edwin T. 2,701,430.  
 Lorig, Edwin T. 2,706,625.  
 Lorig, Edwin T. 2,711,815.  
 Lorig, Edwin T. 2,720,692.  
 Lorig, Edwin T. 2,727,400.  
 Lorig, Edwin T., and Mursch. 2,727,780.  
 Mielke, Morris V. 2,714,959.  
 Miller, Louis L. 2,710,778.  
 Muddiman, Earl E. 2,725,137.  
 Mullins, Sidney O. 2,721,070.  
 Mursch, William H., and Orr. 2,721,739.  
 Orr, Howard S. 2,714,787.  
 Pakkala, Matti H., and Scarry. 2,708,379.  
 Peters, Leonard W. 2,706,564.  
 Pettigrew, Charles P. 2,708,022.  
 Pikus, Frank J. 2,705,138.  
 Pinkerton, Robert G. 2,710,796.  
 Putnam, Paul H. 2,710,104.  
 Rendel, George H. 2,703,384.  
 Richards, Edwin R. 2,710,225.  
 Sanderson, Gunnar. 2,709,935.  
 Schmidt, William E. 2,709,110.  
 Schoonover, Carl F. 2,712,724.  
 Shea, James A. 2,710,747.  
 Shea, James A. 2,724,887.  
 Shea, James A. 2,725,225.  
 Shea, James A. 2,725,226.  
 Shea, James A. 2,725,227.  
 Shifflet, Harry A. 2,716,967.  
 Soltis, John E. 2,719,236.  
 Stephan, Louis F. 2,703,685.  
 Swaney, William A. 2,705,188.  
 Van Lake, Carmen J. 2,703,644.  
 Whittum, Gordon R. 2,700,514.  
 Willfond, Clark A. 2,705,084.  
 Wilson, Philip J., Jr. 2,710,663.
- United States Tobacco Co. : See—**  
 Yoss, Emanuel. 2,724,309.
- United Tool & Die Co., The : See—**  
 Carney, James J. 2,701,415.
- U. S. Universal Joints Company : See—**  
 Guy, Frederick M. 2,715,051.
- U. S. Washmobile : See—**  
 Fisher, David. 2,699,792.
- Unitex Corp. : See—**  
 Johnson, Frank W. 2,713,720.
- Uni-Tubo S. A. : See—**  
 Strahm, Andre. 2,713,369.
- Universal Air Lift, Inc. : See—**  
 Pemberton, Linley C. 2,710,184.
- Universal Atlas Cement Co. : See—**  
 Olsen, Hartvig B. 2,710,235.
- Universal Controls Corp. : See—**  
 Peterson, Charles D. 2,726,101.
- Universal Corrugated Box Machinery Corp. : See—**  
 Jackson, Charles E. 2,707,568.
- Universal Drafting Machine Corp. : See—**  
 Little, Charles H. 2,708,791.
- Universal Engineering Co. : See—**  
 Nickless, Allen E. 2,719,722.
- Universal Equities Co. : See—**  
 Thompson, William O. 2,705,872.
- Universal Leather Co. : See—**  
 Nelson, William H. 2,722,687.
- Universal Mfg. Corp. : See—**  
 Kirkpatrick, John A. 2,701,167.
- Universal Match Corp. : See—**  
 Gardiner, Robert E. 2,714,993.  
 Neklutin, Constantine N. 2,704,027.  
 Reader, Ernest G., Ziemelis, and Karageogioff. 2,714,315.
- Universal Oil Products Co. : See—**  
 Appell, Herbert R. 2,704,281.  
 Appell, Herbert R. 2,726,141.  
 Beam, Jon. 2,708,946.  
 Bielawski, Mitchell S. 2,704,747.  
 Bloch, Herman S. 2,719,164.  
 Bloch, Herman S., and Geiser. 2,698,870.  
 Bloch, Herman S., and Hervert. 2,703,330.  
 Bloch, Herman S., and Hervert. 2,717,243.  
 Bloch, Herman S., and Wackher. 2,726,272.  
 Bloch, Herman S., and Wackher. 2,726,273.  
 Bloch, Herman S., and Wackher. 2,726,274.  
 Chenicek, Joseph A. 2,700,612.  
 Chenicek, Joseph A. 2,704,724.  
 Chenicek, Joseph A. 2,704,746.  
 Chenicek, Joseph A. 2,708,179.  
 Chenicek, Joseph A. 2,714,057.  
 Chenicek, Joseph A. 2,717,826.  
 Chenicek, Joseph A. 2,723,944.  
 Chenicek, Joseph A., and Gleim. 2,714,104.  
 Chenicek, Joseph A., and Rosenwald. 2,715,072.  
 De Rosset, Armand J. 2,719,113.  
 Donaldson, George R. 2,723,946.  
 Gerhold, Clarence G. 2,709,641.  
 Grote, Henry W. 2,715,606.  
 Grote, Henry W. 2,725,351.  
 Haensel, Vladimir. 2,698,829.  
 Hervert, George L. 2,728,683.  
 Holden, Donald L. 2,723,243.  
 Jones, Edwin K., and Gantt. 2,720,447.  
 Kassel, Louis S. 2,719,822.  
 Kassel, Louis S. 2,722,501.  
 Kassel, Louis S. 2,726,995.  
 Kerner, Charles W. 2,711,992.  
 Leffer, Frederick A. W. 2,725,347.  
 Leffer, Frederick A. W. 2,727,812.  
 Leffer, Frederick A. W. 2,727,813.  
 Leffer, Frederick A. W. 2,700,644.  
 Leffer, Frederick W. 2,719,114.  
 Leffer, Frederick W. 2,727,810.  
 Linn, Carl B., and Hervert. 2,698,864.  
 Lowry, Charles D., Jr. 2,715,073.  
 Mammen, Howard E. 2,718,526.  
 McCausland, John W. 2,723,949.  
 Murray, Maurice J., Haensel, and Grote. 2,717,230.  
 Murray, Maurice J., and Moehl. 2,703,315.  
 Pines, Herman. 2,721,870.  
 Pines, Herman, and Ipatieff. 2,706,208.  
 Pines, Herman, and Ipatieff. 2,721,885.  
 Pines, Herman, and Ipatieff. 2,721,886.  
 Pines, Herman, and Ipatieff. 2,721,887.  
 Rosenwald, Robert H. 2,705,240.  
 Rosenwald, Robert H. 2,721,804.  
 Schmerling, Louis. 2,721,882.  
 Schmerling, Louis. 2,727,931.  
 Shaw, Alfred W., and Linn. 2,722,521.  
 Thompson, Ralph B. 2,710,872.  
 Thompson, Ralph B. 2,726,228.  
 Thompson, Ralph B. 2,728,711.  
 Titus, Esbon Y., and Wankat. 2,720,537.  
 West, James P. 2,716,128.
- Universal Polychem Co. : See—**  
 Leopard, James G. 2,710,799.
- Universal Products Co., Inc. : See—**  
 Dunn, George E. 2,722,115.
- Universal Railway Devices Co. : See—**  
 Camp, Percy B. 2,709,067.  
 Wilson, Jack. 2,723,832.  
 Wilson, Jack. 2,724,286.
- Universal Steel Equipment Corp. : See—**  
 Rosenberg, Philip. 2,719,633.
- Universal Winding Co. : See—**  
 Bell, Charles C. 2,699,033.  
 Donovan, John J., Jr., Williamson, and Woody. 2,718,676.  
 Gray, Jacob H., and Wormser. 2,704,946.  
 Hilbert, Richard G. 2,714,491.  
 Soussloff, Dimitri G., Steele, and Tata. 2,715,308.
- University of California, The Regents of The : See—**  
 Finch, Dan M. 2,699,086.  
 Gier, Joseph T., Dunkle, and Brooks. 2,707,881.  
 Isaacs, John D. 2,719,742.  
 Isaacs, John D. 2,720,047.  
 Webb, Malcolm T. 2,726,102.
- University of Illinois Foundation : See—**  
 Audrieth, Ludwig F., and Kippur. 2,726,263.  
 Ernst, Edward W. 2,728,522.
- University of Michigan, The Regents of the : See—**  
 Blicke, Frederick F. 2,708,194.  
 Blicke, Frederick F. 2,716,650.  
 Carrick, Leo L., and Stapleton. 2,713,079.
- University of Minnesota, Regents of the : See—**  
 Gisvold, Ole. 2,702,808.  
 Young, George A., Jr. 2,703,570.
- University of Notre Dame du Lac : See—**  
 Trexler, Philip C. 2,705,489.
- University of Rhode Island, The Board of Trustees of the : See—**  
 Hosler, John F., Tarjan, and Howard. 2,712,202.
- University of Tennessee Research Corp. : See—**  
 Hertel, Kenneth L. 2,706,904.
- Univis Lens Co. : See—**  
 Allen, Robert E., and Hostetler. 2,719,373.



- Unk, Jacob M., to Hartford National Bank and Trust Co., trustee. 2,699,468, Cl. 179—27.51.
- Unk, Jacob M., to Hartford National Bank and Trust Co., trustee. 2,721,301, Cl. 318—47.5.
- Unk, Jacob M., N. Scheffer, and R. C. Greve, to Hartford National Bank and Trust Co., trustee. 2,714,631, Cl. 179—27.5.
- Unruh, Cornelius C.: *See—*  
Kenyon, William O., Waugh, and Unruh. 2,713,570.  
Smith, Albert C., Jr., and Unruh. 2,728,745.
- Unruh, Cornelius C., to Eastman Kodak Co. 2,708,665, Cl. 260—93.5.
- Unruh, Cornelius C., to Eastman Kodak Co. 2,728,746, Cl. 260—78.3.
- Unruh, Cornelius C., and C. F. H. Allen, to Eastman Kodak Co. 2,706,725, Cl. 260—64.
- Unruh, Cornelius C., and C. F. H. Allen, to Eastman Kodak Co. 2,716,097, Cl. 260—47.
- Unruh, Cornelius C., and C. F. H. Allen, to Eastman Kodak Co. 2,716,102, Cl. 260—64.
- Unruh, Cornelius C., and C. F. H. Allen, to Eastman Kodak Co. 2,716,103, Cl. 260—64.
- Unruh, William D.: *See—*  
Rhoads, Millard A., Unruh, and Graber. 2,702,988.
- Unschuld, Henry M.,  $\frac{1}{2}$  to F. Voigt. 2,705,941, Cl. 123—119.
- Unsworth, William: *See—*  
Emley, Edward F., and Unsworth. 2,716,603.
- Unterberger, Edward: *See—*  
Ichelson, Rose R. 2,709,670.
- Unterborn, Norman H.: *See—*  
Schnetzler, George W., Jr., and Unterborn. 2,704,641.
- Unternährer, Jean J. 2,706,920, Cl. 81—3.
- Upchurch, Lewis M. 2,725,270, Cl. 312—207.
- Upham, Charles R. 2,716,314, Cl. 51—262.
- Uphoff, Ralph E. 2,706,119, Cl. 280—11.3.
- Uphoff, William C.: *See—*  
Stechmann, Herman H. 2,722,970.
- Uphues, Frank P., to Crane Co. 2,722,689, Cl. 4—187.
- Upjohn Co., The: *See—*  
Beal, Philip F., III, Nathan, and Hogg. 2,698,852.  
Culter, Samuel H. 2,701,782.  
Donia, Robert A. 2,701,806.  
Fonken, Gunther S., Levin, and McIntosh. 2,714,599.  
Fonken, Gunther S., Levin, and McIntosh. 2,714,600.  
Fonken, Gunther S., Levin, and McIntosh. 2,714,601.  
Hogg, John A., Beal, and Lincoln. 2,707,184.  
Hogg, John A., Beal, and Lincoln. 2,707,711.  
Hogg, John A., Beal, and Lincoln. 2,715,621.  
Hogg, John A., Nathan, Lyttle, and Hanze. 2,701,808.  
Johnson, Byron A., Murray, and Donia. 2,719,857.  
Koehneke, John H., and Speeter. 2,704,763.  
Koehneke, John H., and Speeter. 2,707,187.  
Levin, Robert H., and Magerlein. 2,708,673.  
Levin, Robert H., Magerlein, and Thompson. 2,719,856.  
Lyttle, Douglas A., and Levin. 2,705,720.  
Magerlein, Barney J., and Levin. 2,708,672.  
Magerlein, Barney J., and Levin. 2,728,782.  
Meister, Peter D., and Levin. 2,720,534.  
Moffett, Robert B. 2,726,240.  
Murray, Herbert C., and Peterson. 2,702,809.  
Murray, Herbert C., and Peterson. 2,702,810.  
Murray, Herbert C., and Peterson. 2,703,326.  
Murray, Herbert C., and Peterson. 2,703,327.  
Murray, Herbert C., and Peterson. 2,703,806.  
Murray, Herbert C., and Peterson. 2,721,828.  
Murray, Herbert C., and Peterson. 2,727,910.  
Murray, Herbert C., and Peterson. 2,727,911.  
Murray, Maxton F. 2,707,189.  
Nathan, Alan H., and Hogg. 2,719,855.  
Nathan, Alan H., and Hogg. 2,727,905.  
Nathan, Alan H., Hogg, and Lyttle. 2,713,588.  
Reid, William B., Jr. 2,719,851.  
Shepherd, Douglas A., and Pederson. 2,701,805.  
Smith, William R., and Klettke. 2,712,374.  
Speeter, Merrill E. 2,703,325.  
Speeter, Merrill E. 2,708,197.  
Speeter, Merrill E. 2,728,778.  
White, John L. 2,701,789.  
Wick, Arne N., and Vander Brook. 2,701,795.
- Up-Right, Inc.: *See—*  
Fisher, Robert E. 2,704,652.  
Johnson, Wallace J. S., and Fisher. 2,724,620.
- Upsala-Ekeby Aktiebolag: *See—*  
Falk, Bror J. 2,723,206.
- Upton Co., The: *See—*  
Ericks, Walter P. Re. 24,003.  
Ericks, Walter P. Re. 24,011.
- Upson, Maxwell M., to Raymond Concrete Pile Co. 2,706,498, Cl. 138—84.
- Upson, Robert W., to E. I. du Pont de Nemours and Co. 2,726,232, Cl. 260—93.1.
- Upton, Harry G. 2,717,584, Cl. 123—119.
- Uranek, Carl A.: *See—*  
Rothlisberger, Alvin C., and Uranek. 2,720,510.
- Urbach, Henry H.: *See—*  
Buck, W. Floyd, and Thomas. 2,699,793.
- Urban, Anthony B. 2,714,008, Cl. 272—83.
- Urban, Richard S.: *See—*  
Beavers, Ellington M., and Urban. 2,727,870.
- Urban, Wilhelm, and H. Stärker, to Scholven-Chemie Aktiengesellschaft. 2,701,267, Cl. 260—674.
- Urban, William J., to Koppers Co., Inc. 2,710,183, Cl. 266—21.
- Urbanetti, Lebro T. 2,711,054, Cl. 49—17.
- Urbany, John E.: *See—*  
Beem, Marvel D., and Urbany. 2,699,772.  
Houston, Herbert W., Urbany, and Allison. 2,720,835.
- Urey, George M., C. H. Porch, D. R. Jarrett, and W. M. Crawford, to Deltronic Corp. 2,714,141, Cl. 200—87.
- Urmston, Bertram H.: *See—*  
Morley, Frederick W. W., and Urmston. 2,709,338.
- Urquhart, Kenneth M. 2,700,905, Cl. 77—55.
- Urquhart, Archibald M.,  $\frac{1}{2}$  to Sierra Machinery Co., Inc. 2,724,934, Cl. 51—142.
- Urry, Lewis F., W. L. Kennedy, and H. M. Brown, to Union Carbide Canada Ltd. 2,707,200, Cl. 136—133.
- Urschel, Joe R. 2,705,516, Cl. 146—86.
- Urso, John P. 2,707,301, Cl. 16—24.
- Urtel, Rudolf, to International Standard Electric Corp. 2,713,086, Cl. 178—69.5.
- Urtel, Rudolf, to International Standard Electric Corp. 2,713,131, Cl. 317—200.
- Usco Power Equipment Corp.: *See—*  
Gilliland, William H., and Turnham. 2,709,739.
- Ushakoff, Alexis E., to Secotan, Inc. 2,702,229, Cl. 8—150.5.
- Ushakoff, Alexis E., to Secotan, Inc. 2,704,238, Cl. 8—150.5.
- Usher, Thomas E., and G. Jernakoff, to General Electric Co. 2,699,505, Cl. 250—41.9.
- Usines Gallus Societe Anonyme: *See—*  
Ferber, Robert. 2,717,134.
- Usines Gustave Staar, Societe Anonyme: *See—*  
Staar, Marcel J. H. 2,714,513.
- Ustin, George, to Continental Copper & Steel Industries, Inc. 2,716,741, Cl. 339—103.
- Utah-Idaho Concrete Pipe Co.: *See—*  
Chanlund, Carl W. 2,701,403.
- Utica Drop Forge & Tool Corp.: *See—*  
Daugherty, Willis V. 2,699,598.  
Haussler, William H., Jr., and Richards. 2,721,423.  
Rozmus, Walter J. 2,715,345.
- Utility Appliance Corp.: *See—*  
Abbott, John H., and Skafte. 2,724,547.
- Utz, Chester C., to Chryslor Corp. 2,705,635, Cl. 267—57.
- Utz, George, to Eaton Mfg. Co. 2,722,303, Cl. 192—90.
- Uus, Arvid R. 2,726,471, Cl. 43—17.5.
- Uxa, Oskar, to E. Haas. 2,704,174, Cl. 222—571.
- Uyeo, Shojiro, M. Tomita, and T. Kubota, to Shionogi & Co., Ltd. 2,719,157, Cl. 260—251.5.
- VEB Fahrradwerk Elite Diamant VVB IFA: *See—*  
Mehnert, Walter V. 2,705,408.
- V-M Corp.: *See—*  
Morrison, James L. D. 2,712,943.
- Vackář, Jiří,  $\frac{1}{2}$  to Tesla, National Corp. 2,706,249, Cl. 250—36.
- Vacuum Air Pressure Co. Ltd.: *See—*  
Bushby, David. 2,704,697.
- Vacuum Concrete, Inc.: *See—*  
Billner, Karl P., Creskoff, and Maxwell. 2,715,038.
- Vacuum Cooling Co.: *See—*  
Brunsing, Rex L. 2,699,048.
- Vagi, Louis D. 2,703,725, Cl. 292—70.
- Vahey, Stanley C., to The Budd Co. 2,709,106, Cl. 296—28.
- Vahle, Raymond, to Robert Gair Co., Inc. 2,699,710, Cl. 93—37.
- Vahlteich, Hans W.: *See—*  
Gooding, Chester M., Vahlteich, and Brown. 2,701,203.
- Vahs, William, to International Harvester Co. 2,704,131, Cl. 180—66.
- Vail, Dmitri. 2,715,750, Cl. 18—3.5.
- Vall, Dmitri. 2,725,594, Cl. 18—3.5.
- Vaile, Robert B., Jr., H. J. Jespersen, and J. W. Edgemond, Jr., to S & W Fine Foods, Inc. 2,724,487, Cl. 198—33.
- Vaillant, Jean. 2,726,879, Cl. 280—438.
- Vakilian, Randy. 2,711,176, Cl. 131—175.
- Valdes, Sergio E., to Philco Corp. 2,725,421, Cl. 178—5.4.
- Vale, James T., to Chromatic Television Laboratories, Inc. 2,721,288, Cl. 313—78.
- Valembois, Jean: *See—*  
Gridel, Henri, and Valembois. 2,698,539.
- Valent, Chester L.: *See—*  
Baehr, Robert N., and Valent. 2,702,549.
- Valenta, John. 2,725,903, Cl. 140—123.6.
- Valente, Antonio. 2,706,006, Cl. 169—16.
- Valentine, Benjamin F., Sr. 2,709,089, Cl. 280—478.
- Valentine, Charles N. 2,720,393, Cl. 268—132.
- Valentine, Harry M., to Bendix-Westinghouse Automotive Air Brake Co. 2,709,628, Cl. 309—19.
- Valentine, Hubert B. 2,724,395, Cl. 135—1.
- Valentine, James W.: *See—*  
Scott, James H., Valentine and Gross. 2,713,677.
- Valentine, Jesse A., to United States of America as represented by the Secretary of the Navy. 2,723,644, Cl. 118—221.
- Valentine, Orville H., J. J. Goralczyk, and R. W. Bergman, to Ethicon, Inc. 2,720,678, Cl. 17—43.
- Valette, Le Roy R., to Crucible Steel Co. of America. 2,712,205, Cl. 51—168.
- Valin, Maurice E. 2,714,346, Cl. 97—46.07.
- Vallet, Edouard. 2,726,661, Cl. 129—26.
- Valley Iron Works Co.: *See—*  
De Noyer, Donald B. 2,700,921.
- Valley Mechanical Co., Inc.: *See—*  
Edwards, George S. Re. 23,984.
- Valvo, Joseph F., to Apra Precipitator Corp. 2,717,052, Cl. 183—7.
- Valyi, Emery I. 2,724,878, Cl. 22—20.



- Van Abbe, Henri H.: *See*—  
Van Dijkum, Adelbertus H. J. N., and van Abbe. 2,725,469.
- Van Ackeren, Paul: *See*—  
Doll, Franz, and Van Ackeren. 2,721,573.
- Vanadium Corp. of America: *See*—  
Edlund, Daniel L. 2,706,681.
- Van Allan, James A.: *See*—  
Sawdey, George W., and Van Allan. 2,719,162.
- Van Alstine, Francis E. 2,708,887, Cl. 105—3.
- Vanalstyne, Earl M.,  $\frac{1}{2}$  to L. A. Lockard. 2,708,912, Cl. 121—150.
- Van Atta, Chester M.: *See*—  
Glennon, James B., Van Atta, and Brown. 2,703,052.
- Van Atta, Chester M., to The New York Air Brake Co. 2,721,694, Cl. 230—158.
- Van Auken, Inc.: *See*—  
Dieterich, Richard E. 2,722,460.  
Jenkins, Howard M., Jr. 2,699,360.  
Jenkins, Howard M., Jr. 2,699,361.
- Van Beckum, William G.: *See*—  
Heritage, Clark C., and Van Beckum. 2,701,255.
- Van Beest, Adolf C., J. W. Le Nobel, C. P. van Dijk, and F. J. F. van der Plas, to Shell Development Co. 2,726,194, Cl. 196—35.
- Van Bennekum, Carl F., to General Electric Co. 2,724,794, Cl. 317—171.
- Van Blarcom, John H. 2,705,088, Cl. 220—29.
- Van Blaricom, Lloyd E., and K. R. Gray, to Rayonier Inc. 2,710,254, Cl. 92—2.
- Van Blaricom, Lloyd E., and K. R. Gray, to Rayonier Inc. 2,710,255, Cl. 92—2.
- Van Blaricom, Lloyd E., K. R. Gray, and F. G. Ward, to Rayonier Inc. 2,727,029, Cl. 260—124.
- Van Bree, Pieter: *See*—  
Diemer, Gesinus, and van Bree. 2,716,199.
- Van Brode Milling Co., Inc.: *See*—  
Coleman, Sidney. 2,710,660.
- Van Bruggen, John T., and E. S. West. 2,709,671, Cl. 195—12.
- Van Buren, Charles: *See*—  
De Guevara, Moises L. 2,701,781.
- Van Buren, Harold S., Jr., to United-Carr Fastener Corp. 2,723,433, Cl. 24—90.
- Van Buren, James R. 2,722,345, Cl. 222—193.
- Van Buskirk, Ernest M.: *See*—  
Shager, Bernise J., and Van Buskirk. 2,713,299.
- Van Carlile, Charley. 2,727,756, Cl. 280—468.
- Vance, Charles M. 2,719,691, Cl. 248—208.
- Vance, John E., to The Hoover Co. 2,707,622, Cl. 259—51.
- Vance, John E., to The Hoover Co. 2,724,198, Cl. 38—77.
- Vance, John E., to The Hoover Co. 2,727,320, Cl. 38—77.
- Vance, John E., D. C. Gerber, and R. H. Smith, to The Hoover Co. 2,710,469, Cl. 38—77.
- Vance, Paul: *See*—  
Roth, William A. 2,728,430.
- Vance, Robert F.: *See*—  
Erickson, Vedick A., and Vance. 2,724,318.
- Vance, Stewart E.: *See*—  
Burg, Kenneth E., Mann, Toomey, and Vance. 2,728,555.
- Van Chief, William C., Jr., to Pittsburgh Plate Glass Co. 2,722,030, Cl. 15—132.5.
- Van Colle, Victor G., and T. Fishwick. 2,727,700, Cl. 242—72.
- Van Daelen, Felix L. M. 2,698,741, Cl. 259—165.
- Van Dale Farm Machines, Inc.: *See*—  
Van Dusen, Frederick E. 2,719,058.
- Van de Graaff, Robert J., and W. W. Buechner, to High Voltage Engineering Corp. 2,714,679, Cl. 313—85.
- Van de Lindt, Willem J., to Hartford National Bank and Trust Co. 2,728,050, Cl. 332—51.
- Van den Beemt, Jan H., to Sperry-Sun Well Surveying Co. 2,706,526, Cl. 166—101.
- Vandenberg, Edwin J., to Hercules Powder Co. 2,728,796, Cl. 260—621.
- Vandenberg, Leonard B., to the United States of America as represented by the U. S. Atomic Energy Commission. 2,710,538, Cl. 73—398.
- Vandenberg, Leonard B., to the United States of America as represented by the United States Atomic Energy Commission. 2,716,943, Cl. 103—1.
- Vanden Berg, Russel V.: *See*—  
Kappes, Walter R., Vanden Berg, and Wodehouse. 2,719,796.
- Van Denberg, Thomas F.: *See*—  
Dorsak, John W., and Van Denberg. 2,720,388.
- Van den Boomgard, Jan: *See*—  
Zalm, Pieter, and van den Boomgaard. 2,717,244.
- Vanden Bosch, Johan C.: *See*—  
Hensgen, Bernard T., Vanden Bosch, Lederer, and Wood. 2,717,212.
- Vandenburgh, Charles D.: *See*—  
Pedlow, John W., and Vandenburgh. 2,698,459.
- Van Denburgh, Wilmer F. 2,700,159, Cl. 2—20.
- Van de Polder, Leendert J., to Hartford National Bank and Trust Co., trustee. 2,712,570, Cl. 178—69.5.
- Vander, Paul, and G. Eichel; said Eichel assor. to said Vander. 2,708,274, Cl. 2—237.
- Van Derbeck, Everett E., to Bendix Aviation Corp. 2,715,418, Cl. 137—510.
- Vanderberg, Lawrence J., and R. F. Zoll, to King-Seeley Corp. 2,728,226, Cl. 73—317.
- Vanderbilt, Byron M.: *See*—  
Cottle, Delmer L., Vanderbilt, and Smith. 2,721,222.
- Vandercook, David D., to Vandercook and Sons, Inc. 2,715,362, Cl. 101—348.
- Vandercook, David D. and E. O., and R. L. Pelland, to Vandercook & Sons, Inc. 2,725,010, Cl. 101—186.
- Vandercook, Edward O.: *See*—  
Vandercook, David D. and E. O., and Pelland. 2,725,010.
- Vandercook and Sons, Inc.: *See*—  
Vandercook, David D. 2,715,362.  
Vandercook, David D. and E. O., and Pelland. 2,725,010.
- Vander Brook, Milton J.: *See*—  
Wick, Arne N., and Vander Brook. 2,701,795.
- Van der Hoeven, Cornelis J.: *See*—  
Clemence, Charles R., Blachut, and van der Hoeven. 2,719,254.
- Vanderhoof, Alton S. 2,720,616, Cl. 317—234.
- Vanderhooft, John J. 2,721,893, Cl. 178—5.2.
- Van der Kaa, Jean J. A., and A. Kopp, to Gebrüder Junghans A. G. 2,728,245, Cl. 74—577.
- Van der Kleij, Cornelis J. G., to H. J. van der Rijn N. V. 2,709,389, Cl. 85—2.4.
- Van der Linden, Petrus C.: *See*—  
Janssen, Gerardus H., and van der Linden. 2,727,830.
- Van der Linden, Petrus C.: *See*—  
Teves, Marten C., Tol, and van der Linden. 2,698,912.
- Vanderlippe, Richard A.: *See*—  
Fitch, Karl E., Neiswinter, Purvis, and Vanderlippe. 2,710,891.
- Van der List, Theodor, to Ruhrchemie Aktiengesellschaft. 2,726,548, Cl. 73—422.
- Vander Lugt, Thomas, Jr.: *See*—  
Buttery, Kenneth T., and Vander Lugt. 2,711,844.  
Buttery, Kenneth T., and Vander Lugt. 2,712,882.  
Buttery, Kenneth T., and Vander Lugt. 2,719,650.
- Vander Lugt, Thomas, Jr., to Sutherland Paper Co. 2,701,076, Cl. 220—111.
- Vander Lugt, Thomas, Jr., to Sutherland Paper Co. 2,711,819, Cl. 206—45.14.
- Van der Made, Dirk, and P. Smit; said Van der Made assor. to Cooperatieve Suikerfabriek en Raffinaderij G. A. "Putter-shoek." 2,723,761, Cl. 210—134.
- Vanderminden, Robert D., to The Telescope Folding Furniture Co. Inc. 2,699,815, Cl. 155—139.
- Van der Plas, Franciscus J. F.: *See*—  
Van Beest, Adolf C., Le Nobel, van Dijk, and van der Plas. 2,726,194.  
Van Dijk, Christiaan P., and van der Plas. 2,719,142.  
Van Dijk, Christiaan P., and van der Plas. 2,719,143.
- Van der Plas, Franciscus J. F., and C. P. Van Dijk, to Shell Development Co. 2,716,641, Cl. 260—91.7.
- Vanderpoel, Albert G. H.: *See*—  
Mailhot, Harold J., and Vanderpoel. 2,707,051.
- Van der Rijn, H. J., N. V.: *See*—  
Van der Kleij, Cornelis J. G. 2,709,389.
- Vanderspek, Robert V., and L. A. Zeller, to Textile Machinery Corp. 2,723,809, Cl. 242—128.
- Van der Ven, Lodewijk C.: *See*—  
Demon, Gerardus A., van der Ven, and Andriessen. 2,709,045.
- Vander Wal, Robert J., J. Harwood, and R. A. Reck, to Armour and Co. 2,712,558, Cl. 260—584.
- Vander Weele, John C.: *See*—  
Britton, Edgar C., and Vander Weele. 2,701,800.
- Vander Weil, Paul: *See*—  
Barta, Emil, and Vander Wiel. 2,707,090.
- Van der Winden, Johannes B., to Gebr. Stork & Co.'s Apparat-fabrik N. V. 2,719,478, Cl. 99—360.
- Van der Windt, Jan: *See*—  
Kronouer, Johan G., and van der Windt. 2,699,692.
- Van der Ziel, Aldert, and K. S. Knol, to Hartford National Bank and Trust Co., trustee. 2,719,223, Cl. 250—20.
- Van de Vanter, Raymond V., to Orchard Industries, Inc. 2,721,599, Cl. 154—1.7.
- Vandevate, Dwight: *See*—  
Adair, Robert V., and Vandevate. 2,699,412.
- Van Deventer, Frank M., to Walworth Co. 2,717,758, Cl. 251—124.
- Van Deventer, Harry R., J. J. Shively, and P. C. Bailey, to Telephone Answering and Recording Corp. 2,713,088, Cl. 179—6.
- Van Deventer, Harry R., to Telephone Answering and Recording Corp. 2,724,016, Cl. 179—6.
- Van Deventer, Harry R., J. J. Shively, and P. C. Bailey, to Telephone Answering and Recording Corp. 2,724,015, Cl. 179—6.
- Van De Wiel, Alfred, to Hartford National Bank and Trust Co., trustee. 2,721,299, Cl. 318—331.
- Van Dijk, Arend M., to Stamicarbon N. V. 2,699,860, Cl. 198—184.
- Van Dijk, Arend M., to Stamicarbon N. V. 2,699,861, Cl. 198—184.
- Van Dijk, Christiaan P.: *See*—  
Van Beest, Adolf C., Le Nobel, van Dijk, and van der Plas. 2,726,194.
- Van Dijk, Christiaan P., and F. J. F. van der Plas, to Shell Development Co. 2,719,142, Cl. 260—78.4.
- Van Dijk, Christiaan P., and F. J. F. van der Plas, to Shell Development Co. 2,719,143, Cl. 260—86.3.
- Van Dijk, Pieter: *See*—  
Van der Plas, Franciscus J. F., and Van Dijk. 2,716,641.
- Van Dijkum, Adelbertus H. J. N., to Hartford National Bank and Trust Co., trustee. 2,710,350, Cl. 250—27.
- Van Dijkum, Adelbertus H. J. N., and H. H. van Abbe, to Hartford National Bank and Trust Co., as trustee. 2,725,469, Cl. 250—20.



- Van Dine, Helmar E. 2,701,524, Cl. 102—38.  
 Van Dolah, Delos B.: *See*—  
 Lentz, Irvin R., and Van Dolah. 2,714,223.  
 Van Dolah, Delos B., and I. R. Lentz, to Swift & Co. 2,716,257, Cl. 17—11.1.  
 Van Domlen, George A.: *See*—  
 Strahota, Clarence L., and Van Domlen. 2,702,106.  
 Van Doorn, Donald W., to Lummus Cotton Gin Co. 2,715,246, Cl. 19—75.  
 Van Doorne, Hubertus J. 2,699,222, Cl. 180—23.  
 Van Doren, William L. 2,702,132, Cl. 214—8.5.  
 Van Doren, William L. 2,702,646, Cl. 214—633.  
 Van Dorn, Horace B., to The Fafnir Bearing Co. 2,701,732, Cl. 286—5.  
 Van Dort, Arie: *See*—  
 Vroman, Walter J., and Van Dort. 2,709,030.  
 Van Dronkelaar, Jan J. 2,704,983, Cl. 109—1.  
 Van Dusen, Charles H., Jr.: *See*—  
 Worthen, Stephen V., and Van Dusen. 2,707,359.  
 Van Dusen, Frederick E., to Van Dale Farm Machines, Inc. 2,719,058, Cl. 302—56.  
 Van Duuren, Hendrik C. A., to Staatsbedrijf Der Posterijen, Telegrafie en Telefonie. 2,703,361, Cl. 250—8.  
 Van Duuren, Hendrik C. A., to Staatsbedrijf der Posterijen Telegrafie en Telefonie. 2,706,215, Cl. 178—2.  
 Van Duuren, Hendrik C. A., to Staatsbedrijf der Posterijen, Telegrafie en Telefonie. 2,709,199, Cl. 178—2.  
 Van Duyn, John P., to Allen B. Du Mont Laboratories, Inc. 2,728,052, Cl. 333—78.  
 Van Duzer, Lyle J. 2,707,075, Cl. 232—35.  
 Van Dyk, Joseph M. 2,705,366, Cl. 32—6.  
 Van Dyke, Ross E., and E. C. Evers, to the United States of America as represented by the United States Atomic Energy Commission. 2,725,279, Cl. 23—14.5.  
 Van Ess, Paul R., and J. Zachar, to Shell Development Co. 2,726,236, Cl. 260—139.  
 Vanetzian, Alexander G., and E. Katryniak, to Rovex Scale Models Ltd. 2,711,857, Cl. 238—10.  
 Van Eyk, Christian J. 2,714,693, Cl. 317—137.  
 Van Fleet, Vincent. 2,703,159, Cl. 189—76.  
 Vang, Alfred. 2,700,746, Cl. 318—125.  
 Vang, Alfred. 2,728,015, Cl. 313—165.  
 Vang, Alfred. 2,728,045, Cl. 323—58.  
 Vang, Alfred. 2,714,890, Cl. 128—305.  
 Van Gelder, Gozewijn, W. L. Vervest, and S. T. Stap, to Hartford National Bank and Trust Co., trustee. 2,704,589, Cl. 192—56.  
 Vangor, William, to Lorraine Novelty Mfg. Co., Inc. 2,707,138, Cl. 311—42.  
 Van Guilder, Walter, to General Mills, Inc. 2,728,368, Cl. 146—177.  
 Van Haandel, Adrianus, to Nedschroef Octrooi Maatschappij N. V. 2,698,950, Cl. 10—76.  
 Van Haandel, Adrianus, to Nedschroef Octrooi Maatschappij N. V. 2,698,951, Cl. 10—86.  
 Van Halteren, Andrew S., to Motor Wheel Corp. 2,722,290, Cl. 188—218.  
 Van Handel, Ambrose B. 2,717,101, Cl. 222—80.  
 Van Hare, George F., Jr., and W. R. McCormick, Jr., to Chemical Construction Corp. 2,728,636, Cl. 23—117.  
 Van Hartesveldt, Carrol H.: *See*—  
 Anderson, David E., and Van Hartesveldt. 2,699,326.  
 Van Hartesveldt, Carrol H. 2,707,029, Cl. 166—59.  
 Van Heeckeren, Willem J.: *See*—  
 Veth, Jan, and J. Van Heeckeren. 2,703,055.  
 Van Heest, Harold W. 2,705,365, Cl. 30—41.  
 Van Heest, Harold W. 2,715,767, Cl. 30—41.  
 Van Heukelom, Henry C. 2,725,766, Cl. 77—2.  
 Van Hoesen, Harold E.: *See*—  
 Streuber, Rudolf G., and Van Hoesen. 2,704,343.  
 Van Hofe, George W., to New Jersey Machine Corp. Re. 24,097, Cl. 216—25.  
 Van Horn, Earl. 2,706,641, Cl. 280—11.2.  
 Van Horn, Maurice H.: *See*—  
 Scott, Kenneth W., Sweet, and Van Horn. 2,703,290.  
 Sweet, Sterling S., Van Horn, and Newsome. 2,710,848.  
 Van Hoy, Charles E.: *See*—  
 West, Judson, Jr., and Van Hoy. 2,723,301.  
 Vaniman, Dan L. 2,720,718, Cl. 40—125.  
 Van Impe, Robert. 2,700,286, Cl. 68—26.  
 Van Iperen, Dirk C.: *See*—  
 Blok, Lourens, and Van Iperen. 2,714,648.  
 Van Issum, Carola: *See*—  
 Van Issum, Johannes B. H. 2,707,158.  
 Van Issum, Johannes B. H. 2,707,160.  
 Van Issum, Hans: *See*—  
 Van Issum, Johannes B. H. 2,707,158.  
 Van Issum, Johannes B. H. 2,707,160.  
 Van Issum, Johannes B. H., deceased, known as Hans Van Issum, by C. Van Issum and T. F. Keegan, administrators, to Fabric Development Co. Ltd. 2,707,158, Cl. 117—119.  
 Van Issum, Johannes B. H., deceased, known as Hans Van Issum, by C. Van Issum and T. F. Keegan, administrators, to Fabric Development Co. Ltd. 2,707,160, Cl. 154—49.  
 Vanity Fair Mills, Inc.: *See*—  
 Amidon, Roy C. 2,714,811.  
 Bellini, Eugene. 2,700,285.  
 Van Kampen, Marinus T. 2,709,885, Cl. 58—5.  
 Van Laar, Jan A. W., to Hartford National Bank and Trust Co., trustee. 2,717,203, Cl. 41—42.  
 Van Lake, Carmen J., to United States Steel Corp. 2,703,644, Cl. 198—195.  
 Van Loon, Willem, to De Directie van de Staatsmijnen in Limburg, handelend voor en namens de Staat der Nederlanden. 2,707,444, Cl. 110—28.  
 Van Lottum, Johannes T. A.: *See*—  
 Six, Willem, Domburg, and van Lottum. 2,719,250.  
 Van Matre, Fred G.: *See*—  
 Featherston, Robert R. 2,702,694.  
 Van Matre, Robert H.: *See*—  
 Featherston, Robert R. 2,702,694.  
 Van Meter, Theodore, to Vickers Inc. 2,708,879, Cl. 103—3.  
 Van Meter, William J. 2,709,927, Cl. 74—711.  
 Vann, Oswald, to Hindes, Ltd. 2,708,765, Cl. 15—246.  
 Van Ness, Hubert W.: *See*—  
 Hartwig, Edward C., and Van Ness. 2,728,031.  
 Parsons, John R., and Van Ness. 2,701,852.  
 Van Ness, Robert T., to E. I. du Pont de Nemours and Co. 2,720,501, Cl. 260—73.  
 Van Nest, Albert K. 2,715,974, Cl. 214—450.  
 Van Nest, Francis H., to General Electric Co. 2,713,351, Cl. 137—630.19.  
 Van Nest, Joseph G.: *See*—  
 Cox, John C., and Van Nest. 2,726,184.  
 Van Niel, Clarence R., to Tinnerman Products, Inc. 2,700,910, Cl. 81—5.1.  
 Van Norman Co.: *See*—  
 Pyne, Roger S., and Anderson. 2,727,339.  
 Van Nort, Catherine H.: *See*—  
 Van Nort, William W. K. 2,714,641.  
 Van Nort, Harry: *See*—  
 Van Nort, William W. K. 2,714,641.  
 Van Nort, William W. K., deceased; C. H. Van Nort, executrix, to H. Van Nort. 2,714,641, Cl. 200—84.  
 Van Note, Richard S., to Selas Corp. of America. 2,699,837, Cl. 183—4.7.  
 Van Ommeren, Bernard C. 2,702,602, Cl. 170—160.33.  
 Van Order, Robert B., and R. F. Reeves, to American Cyanamid Co. 2,723,917, Cl. 106—305.  
 Van Ormer, David D., to Radio Corp. of America. 2,721,287, Cl. 313—69.  
 Van Ormer, David D., to Radio Corp. of America. 2,728,007, Cl. 313—82.  
 Van Otteren, Wilbur M., to The Grover Co. 2,698,721, Cl. 243—19.  
 Van Otteren, Wilbur M., to The Grover Co. 2,718,959, Cl. 198—42.  
 Van Overbeek, Adrianus J. W. M., to Hartford National Bank and Trust Co., trustee. 2,719,220, Cl. 250—20.  
 Van Overbeek, Adrianus J. W. M., to Hartford National Bank and Trust Co. 2,728,026, Cl. 315—21.  
 Van Overveen, Joseph P.: *See*—  
 Jurs, Peter C., and Van Overveen. 2,726,840.  
 Van Patten, Royal A.: *See*—  
 Ensign, Elbert E., Van Patten, and Bleuenstein. 2,726,431.  
 Vennerholm, Gosta, and Van Patten. 2,711,953.  
 Van Pelt, William: *See*—  
 Slaughter, Bernard J., Jr., and Van Pelt. 2,723,147.  
 Van Rennes, Cornelis, to Faximile, Inc. 2,701,177, Cl. 346—146.  
 Van Rijssel, Tijs W.: *See*—  
 Alink, Roelof J. H., Jaspers, and Van Rijssel. 2,704,262.  
 Van Ripper, Jurian W. 2,721,729, Cl. 257—10.  
 Van Rosen, Robert E., to The Gardner Board and Carton Co. 2,702,153, Cl. 229—35.  
 Van Rosen, Robert E., G. F. Arens, and G. E. Struble, to The Gardner Board and Carton Co. 2,711,843, Cl. 220—110.  
 Van Ryan, Anthony, to McGraw Electric Co. 2,704,841, Cl. 340—253.  
 Van Ryan, Anthony, and W. R. Harry, to McGraw Electric Co. 2,721,969, Cl. 323—43.5.  
 Van Schie, Robert J. 2,723,022, Cl. 198—218.  
 Van Scoy, Davis A., to T. D. Williamson, Inc. 2,722,855, Cl. 77—37.  
 Van Sickle, C. E.: *See*—  
 Bolenbaugh, Elmer P. 2,711,323.  
 Van Sickle, Elmer, to Crown Controls Co., Inc. 2,701,353, Cl. 340—203.  
 Van Sickle, Kenneth J., to Papec Machine Co. 2,698,770, Cl. 302—37.  
 Van Sickle, Roswell C., to the United States of America as represented by the United States Atomic Energy Commission. 2,712,076, Cl. 250—41.9.  
 Van Sickle, Roswell C., and R. E. Frink, to Westinghouse Electric Corp. 2,727,963, Cl. 200—147.  
 Van Steenbrugge, Henri G. 2,718,228, Cl. 128—92.  
 Van Steenis, Otto L., to Hartford National Bank and Trust Co., trustee. 2,699,014, Cl. 49—79.  
 Van Steyn, Gerard K., to Owens-Illinois Glass Co. 2,710,690, Cl. 209—121.  
 Vanstrom, Harold J. 2,720,065, Cl. 51—217.  
 Vanstrom, Harold J. 2,720,066, Cl. 51—217.  
 Vant, Isadore N. 2,703,941, Cl. 41—4.  
 Vant, Leslie M., to the United States of America as represented by the Secretary of the Army. 2,705,306, Cl. 333—98.  
 Vanta Co., Inc.: *See*—  
 Wyner, Justin L. 2,725,565.  
 Van Tubergen, Richard F. 2,716,445, Cl. 158—28.  
 Van Urk, Arend T.: *See*—  
 Rinia, Herre, and van Urk. 2,727,192.  
 Van Urk, Arend T., and A. Rademakers, to Hartford National Bank and Trust Co., trustee. 2,698,917, Cl. 317—201.  
 Van Urk, Arend T., and J. M. Cluwen, to Hartford National Bank and Trust Co. 2,724,075, Cl. 317—158.



- Van Vactor, Benjamin H., to National Mine Service Co. 2,709,335, Cl. 60—30.
- Van Valkenburg, Howard E., to General Electric Co. 2,700,894, Cl. 73—67.
- Van Valkenburg, Howard E., to Sperry Products, Inc. 2,709,760, Cl. 310—8.1.
- Van Valkenburg, Howard E., and R. J. Emmert, to Sperry Products, Inc. 2,723,357, Cl. 310—8.7.
- Van Valkenburg, James F. 2,706,634, Cl. 273—105.6.
- Van Valkenburgh, Edward A. 2,714,071, Cl. 106—123.
- Van Valkenburgh, Merritt, and J. L. Pritchard, to M. H. Rhodes Inc. 2,698,509, Cl. 58—114.
- Van Veen, Anton. 2,726,040, Cl. 235—144.
- Van Voorhis, Stanley N., to the United States of America as represented by the Secretary of the Navy. 2,698,931, Cl. 343—6.
- Vanvor, Herbert, to W. C. Heraeus G. m. b. H. 2,703,833, Cl. 201—63.
- Van Waes, Joseph P. M., to Stamicarbon N. V. 2,727,069, Cl. 260—555.
- Van Wageningen, Johan H.: *See*—  
Schreur, Jan, and van Wageningen. 2,714,158.
- Van Weel, Adelbert, to Hartford National Bank and Trust Co., trustee. 2,719,915, Cl. 250—20.
- Van Weynsbergen, Charles L., and J. F. Hartwig, to Hartford National Bank and Trust Co., as trustee. 2,725,489, Cl. 307—67.
- Van Willigen, Gerrit, to Shell Development Co. 2,704,979, Cl. 103—1.
- Van Winkle, John L.: *See*—  
Morris, Rupert C., and Van Winkle. 2,710,301.  
Morris, Rupert C., and Van Winkle. 2,719,860.  
Morris, Rupert C., and Van Winkle. 2,726,256.  
Morris, Rupert C., and Van Winkle. 2,728,789.  
Morris, Rupert C., and Van Winkle. 2,728,806.  
Morris, Rupert C., Van Winkle, and Wyrick. 2,714,064.
- Van Winkle, John L., E. R. Bell, and R. C. Morris, to Shell Development Co. 2,712,029, Cl. 260—461.
- Van Wormer, Donald K. 2,711,001, Cl. 25—118.
- Van Wye, William J., to Republic Steel Corp. 2,728,262, Cl. 88—14.
- Van Zwalenburg, Benjamin R. 2,717,013, Cl. 144—253.
- Vapor Heating Corp.: *See*—  
Burgess, Everett H., Gardner, and Egart. 2,718,763.  
Gillick, Lorraine H., Lehane, and Kirkby. 2,701,128.  
Smith, William M., and Kirkby. 2,716,400.
- Varaud, Claude. 2,725,716, Cl. 58—119.
- Varco, Samuel. 2,703,086, Cl. 128—303.
- Varela, Arthur A. 2,728,876, Cl. 315—27.
- Varela, Arthur A., and R. C. Guthrie. 2,713,658, Cl. 320—1.
- Varga, Oscar W., to Technical Equipment Corp. Re. 24,054, Cl. 15—302.
- Vargo, Joseph. 2,723,065, Cl. 223—94.
- Varian Associates: *See*—  
Levinthal, Elliott C. 2,721,970.
- Variapat A. G.: *See*—  
Martin, Henry. 2,715,643.  
Martin, Henry. 2,722,544.
- Varick Industries, Inc.: *See*—  
Shill, Joseph, and Kerker. 2,704,918.
- Varin, Richard. 2,727,490, Cl. 119—14.26.
- Vari-Ohm Corp.: *See*—  
Daniels, Joseph L. 2,724,759.
- Varma, Jyoti P.: *See*—  
Siddiqui, Salimuzzaman, Sarin, and Varma. 2,707,686.
- Varner, Stuart L.: *See*—  
Schoepel, John F., Varner, and Andres. 2,720,569.
- Varney, Frederick: *See*—  
Wheatcroft, Arthur C., and Varney. 2,723,587.
- Varney, Gordon. 2,708,888, Cl. 105—99.
- Varney, Rey. 2,710,754, Cl. 273—101.1.
- Vartiainen, Aarne J. 2,715,366, Cl. 103—68.
- Vas, Albert B. 2,720,191, Cl. 121—93.
- Vasselli, Anthony J. 2,723,314, Cl. 179—90.
- Vastine Engineering Co., Inc.: *See*—  
Nicolai, Harold, and Kolze. 2,723,021.
- Vatcher, William H. 2,725,463, Cl. 240—7.1.
- Vaterrodt, Peter, to Botany Mills, Inc. 2,719,782, Cl. 44—7.
- Vaughan, Arthur H., to The Electric Furnace Co. 2,726,458, Cl. 34—155.
- Vaughan, Guy W., Jr., and C. R. Sacchini, to The Marquette Metal Products Co. 2,712,674, Cl. 19—109.
- Vaughan, Henry E.: *See*—  
Malthaner, William A., and Vaughan. 2,713,613.  
Malthaner, William A., and Vaughan. 2,723,311.  
McGuigan, John H., and Vaughan. 2,719,964.
- Vaughan, James R., Jr., to American Cyanamid Co. 2,710,857, Cl. 260—112.
- Vaughan, James R., Jr., to American Cyanamid Co. 2,713,574, Cl. 260—112.
- Vaughan, James R., Jr., and J. A. Eichler, to American Cyanamid Co. 2,721,204, Cl. 260—306.8.
- Vaughan, Joseph A., to Southern Wood Preserving Co. 2,706,344, Cl. 34—31.
- Vaughan, Thomas M., to United Paper Co. 2,713,446, Cl. 226—2.
- Vaughan, Thomas M., to United Paper Co. 2,718,107, Cl. 53—128.
- Vaughan, Victor G., to Metals & Controls Corp. 2,727,962, Cl. 200—138.
- Vaughan, William E., and F. E. Condo, to Shell Development Co. 2,717,248, Cl. 260—92.8.
- Vaughn, Charles M.: *See*—  
Caparone, Michael J., Rice, and Vaughn. 2,707,078.
- Vaughn, Samuel C., to Tide Water Associated Oil Co. 2,712,518, Cl. 196—1.
- Vaughn, Samuel C., to Tide Water Associated Oil Co. 2,728,643, Cl. 44—60.
- Vaughn, Samuel C., to Tide Water Associated Oil Co. 2,728,644, Cl. 44—60.
- Vaughn, Samuel C., to Tide Water Associated Oil Co. 2,728,645, Cl. 44—60.
- Vaughn, Samuel C., to Tide Water Associated Oil Co. 2,728,646, Cl. 44—60.
- Vaughn, Samuel C., to Tide Water Associated Oil Co. 2,728,647, Cl. 44—60.
- Vaughn, Samuel C., to Tide Water Associated Oil Co. 2,728,728, Cl. 252—32.5.
- Vaughn, Samuel C., and G. C. Donovan, to Tide Water Associated Oil Co. 2,712,363, Cl. 184—1.
- Vaughn, Sidney P.: *See*—  
Ours, Statton R. 2,706,303.
- Vaughn, Sidney P. 2,708,282, Cl. 15—244.
- Vaughn, Sidney P. 2,708,283, Cl. 15—244.
- Vaughn, Wilbur C. 2,728,504, Cl. 224—45.
- Vavra, Frank. 2,712,783, Cl. 97—188.
- Vawryk, Michael. 2,699,624, Cl. 43—44.87.
- Vawter, Dale. 2,705,972, Cl. 138—37.
- Veale, John H.: *See*—  
West, Howard F., and Veale. 2,711,951.  
West, Howard F., and Veale. 2,711,952.  
West, Howard F., and Veale. 2,711,954.
- Veale, John H., to Illinois Clay Products Co. 2,703,445, Cl. 25—156.
- Veatch, Franklin, and E. C. Milberger, to The Standard Oil Co. 2,711,394, Cl. 252—30.
- Veatch, Joseph G.: *See*—  
Daily, Arthur M., and Veatch. 2,717,943.
- Veb Fahrradwerk Elite-Diamant: *See*—  
Berthold, Manfred. 2,723,590.
- Veeder-Root Inc.: *See*—  
Bliss, Harvey N. 2,716,524.  
Bliss, Harvey N. 2,719,004.  
Manke, Gustave L. 2,721,703.  
White, George W. 2,706,224.
- Vegell, Allan, to Standard Process Corp. 2,726,492, Cl. 51—120.
- Veit, Gertrud: *See*—  
Veit, Julius. 2,723,424.
- Velt, Julius, deceased, by G. Veit, executrix, to Duratube & Wire Ltd. 2,723,424, Cl. 18—12.
- Veith, Hermann: *See*—  
Hüter, Ludwig, and Veith. 2,717,911.
- Vejin, Inc.: *See*—  
Ginn, Wells W. 2,721,803.
- Velcro S. A.: *See*—  
De Mestral, George. 2,717,437.
- Veldhuis, Benjamin: *See*—  
Otto, Julian A., and Veldhuis. 2,702,303.
- Velluz, Leon: *See*—  
Allais, André, Mathieu, and Velluz. 2,710,868.
- Velluz, Leon, and G. Muller, to Les Laboratoires Francais de Chimiotherapie. 2,700,674, Cl. 260—397.4.
- Velluz, Léon, and G. Amiard, to UCLAF. 2,707,710, Cl. 260—397.2.
- Velonis, Constantine, and W. Karp, to Graphire Corp. 2,701,214, Cl. 117—38.
- Velten, Edwin: *See*—  
Consaul, John G., and Velten. 2,703,281.
- Veltman, Preston L.: *See*—  
Ochs, Irving L., and Veltman. 2,726,982.
- Veltri, Charles P. 2,719,800, Cl. 148—26.
- Velveray Corp.: *See*—  
Schwartz, Samuel M., and Gross. 2,715,585.
- Venditty, Anthony, to R. P. Scherer Corp. 2,714,887, Cl. 128—173.
- Vendo Co., The: *See*—  
Andrews, Boley A. 2,715,662.  
Hansen, George H., Jr. 2,711,236.  
Hedges, Charles S. 2,711,242.  
Menning, Ralph H., Pratt, and Manley. 2,705,577.
- Vendorlator Mfg. Co.: *See*—  
Childers, Spencer L., and Warren. 2,727,654.
- Veneklasen, Paul S., and W. J. Moreland, Jr., to Altec Lansing Corp. 2,716,187, Cl. 250—27.
- Veneziani, Italo, and V. di Cocco. 2,715,016, Cl. 255—24.
- Venis, Ernest, to The British Vacuum Flask Co. Ltd. 2,713,435, Cl. 215—13.
- Vennerholm, Gosta, to Ford Motor Co. 2,705,822, Cl. 22—193.
- Vennerholm, Gosta, and R. A. Van Patten, to Ford Motor Co. 2,711,953, Cl. 75—53.
- Vennes, Harold J., to Western Electric Co., Inc. 2,704,601, Cl. 209—81.
- Ventre, Emil K. deceased, by T. A. Ventre, E. V. Bartmess, and E. K. Ventre, Jr., sole heirs, to the United States of America as represented by the Secretary of Agriculture. 2,712,552, Cl. 260—527.
- Ventre, Emil K., Jr.: *See*—  
Ventre, Emil K. 2,712,552.
- Ventre, Tillie A.: *See*—  
Ventre, Emil K. 2,712,552.
- Ventura Farms Frozen Foods, Inc.: *See*—  
Todd, Eric E. 2,703,761.  
Todd, Eric E. 2,723,199.



- Verain, Marcel J. 2,717,874, Cl. 210—28.  
 Vercellone, Alberto, and C. G. Alberti, to Farmaceutici Italia S. A. 2,727,061, Cl. 260—490.  
 Verdier Brothers, Inc.: *See—*  
 Verdier, George O. 2,703,236.  
 Verdier, George O., to Verdier Brothers, Inc. 2,703,236, Cl. 268—59.  
 Verdier, Marcel: *See—*  
 Thiollot, Robert, Delattre, and Verdier. 2,710,885.  
 Verdurin Co.: *See—*  
 Hale, William J. 2,716,411.  
 Vereinigte Aluminiumwerke, Aktiengesellschaft: *See—*  
 Weiss, Paul. 2,715,063.  
 Vereinigte Aluminium-Werke Aktiengesellschaft, Oeffentliche Verwaltung der Betriebe Braunau am Inn und Unterlaussa: *See—*  
 Albert, Otto, and Mader. 2,714,053.  
 Vereinigte Glanzstoff-Fabriken A. G.: *See—*  
 Börner, Christian. 2,726,046.  
 Vereinigte Kugellagerfabriken, Aktiengesellschaft: *See—*  
 Beck, Hans J., Ehn, Lohmiller, and Schmid. 2,703,261.  
 Vergaserbau Hamburg G. Neuerburg & Co.: *See—*  
 Mayer, Hans, Jaschinsky, Neuerburg, and Lerp. 2,699,928.  
 Verger, John: *See—*  
 Gilchrist, David E., and Verger. 2,719,635.  
 Vergilio, Joseph H.: *See—*  
 Naragon, Ernest A., Millendorf, and Vergilio. 2,699,453.  
 Ver Haigh, Frank W. 2,716,951, Cl. 110—18.  
 Verity, Ernest. 2,719,717, Cl. 273—136.  
 Verkuil, Leo L., to Edwards Co., Inc. 2,723,328, Cl. 200—168.  
 Verkuil, Leo L., to Edwards Co., Inc. 2,726,381, Cl. 340—308.  
 Verkuilen, John. 2,708,576, Cl. 273—15.  
 Verkuilen, John M. 2,718,397, Cl. 272—59.  
 Verlin, Bernard M. 2,722,367, Cl. 229—54.  
 Vermaire, Paul L., to General Motors Corp. 2,706,974, Cl. 123—90.  
 Vermij, Max O., to De Nederlandse Centrale Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek. 2,727,842, Cl. 148—635.  
 Vermillion, William R. 2,710,100, Cl. 211—4.  
 Vernco Corp.: *See—*  
 Sprouse, Verner E., and Franke. 2,700,580.  
 Vernhes, Jean M. 2,698,679, Cl. 192—84.  
 Vernier, Bruce R.: *See—*  
 Hock, James W., and Vernier. 2,705,889.  
 Vernon, Charles L. 2,707,130, Cl. 299—47.  
 Vernon-Smith, Vernon: *See—*  
 Grayson, Harry, McLeod, and Vernon-Smith. 2,703,865.  
 Verrinder, Ernest A., to Food Machinery and Chemical Corp. 2,713,430, Cl. 214—306.  
 Verrinder, Ernest A., and J. R. Richards, to Food Machinery and Chemical Corp. 2,723,393, Cl. 1—104.  
 Verse, Hansheinrich: *See—*  
 Lipphaus, Arthur, Semmler, and Verse. 2,699,367.  
 Vervest, Wilhelmus L.: *See—*  
 Jones, Eric E., and Vervest. 2,707,041.  
 Van Gelder, Gozewijn, Vervest, and Stap. 2,704,589.  
 Verwayen, Joseph J.: *See—*  
 Goldsmith, Philip H., and Verwayen. 2,718,823.  
 Veselsky, Frank J.: *See—*  
 Howard, John G., and Veselsky. 2,723,867.  
 Vesigna, Rosold, to Pirelli Societa per Azioni. 2,722,930, Cl. 128—142.  
 Vestre, Rasmus, to Hydraulik A/S. 2,718,759, Cl. 60—53.  
 Veth, Jan, and W. J. Van Heeckeren, to Shell Development Co. 2,703,055, Cl. 103—152.  
 Vettori, Joseph E., to Hoyt Mfg. Corp. 2,712,182, Cl. 34—82.  
 Viall, Richmond, Jr., R. I. Peterson, Jr., and R. H. Johnson, to The Graham Mfg. Co., Inc. 2,716,845, Cl. 51—48.  
 Viard, Marcel J., to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey. 2,703,810, Cl. 260—471.  
 Vibber, Alfred W. 2,725,711, Cl. 57—58.83.  
 Vibber, Alfred W. 2,726,506, Cl. 57—58.55.  
 Vibber, Alfred W. 2,727,353, Cl. 57—58.3.  
 Vibber, Alfred W. 2,728,185, Cl. 57—58.55.  
 Vibratrol, Inc.: *See—*  
 Fabel, Donald C., and DeCaro. 2,710,077.  
 Vibro-Plus Corp.: *See—*  
 Friedh, Eric, and Kuensel. 2,706,566.  
 Vicard, Pierre G. 2,719,631, Cl. 210—51.  
 Vicars Inc.: *See—*  
 Logan, Frank G. 2,712,684.  
 Vicars, T. & T., Ltd.: *See—*  
 Naylor, Joseph F. 2,707,925.  
 Naylor, Joseph F. 2,712,798.  
 Vickers, Alfred E. 2,709,733, Cl. 200—142.  
 Vickers-Armstrongs Ltd.: *See—*  
 Lambie, John B. 2,719,428.  
 Wightman, Eric J. 2,702,867.  
 Vickers, Harry F., to Vickers Inc. 2,709,495, Cl. 180—79.2.  
 Vickers, Herbert H., to Esso Research and Engineering Co. 2,716,575, Cl. 302—17.  
 Vickers Inc.: *See—*  
 Bozek, Leo A., and McGinnis. 2,711,698.  
 Clark, Everett O., and Fox. 2,728,194.  
 Gardiner, Duncan B. 2,720,755.  
 Harrington, Ferris T., Allen, and Gardiner. 2,720,171.  
 Logan, Frank G. 2,710,313.  
 Logan, Frank G. 2,711,005.  
 Vickers Inc.: *See—Continued.*  
 Logan, Frank G. 2,712,684.  
 Steinitz, Stephan. 2,699,526.  
 Steinitz, Stephan. 2,721,305.  
 Steinitz, Stephan. 2,723,373.  
 Trickey, Philip H. 2,709,507.  
 Trickey, Philip H., and Groetke. 2,721,964.  
 Van Meter, Theodore. 2,708,879.  
 Vickers, Harry F. 2,709,495.  
 Weathers, Leland C. 2,717,970.  
 Vickery, John R., to Aircraft-Marine Products Inc. 2,701,778, Cl. 148—12.  
 Vickerys Ltd.: *See—*  
 Scott, Harold E. B. 2,724,999.  
 Vickland, John C., to Apra Precipitator Corp. 2,708,007, Cl. 183—7.  
 Vicklund, Lloyd W. 2,727,593, Cl. 188—43.  
 Vick Roy, Thomas R., to E. I. du Pont de Nemours and Co. 2,728,838, Cl. 73—451.  
 Victor, Anthony J. 2,722,431, Cl. 280—36.  
 Victor Chemical Works: *See—*  
 Toy, Arthur D. F., and Costello. 2,706,738.  
 Toy, Arthur D. F., and Costello. 2,717,249.  
 Toy, Arthur D. F., and McDonald. 2,715,136.  
 Toy, Arthur D. F., and Rattenbury. 2,714,100.  
 Victor Industries Corp.: *See—*  
 Drew, Harry A. 2,713,426.  
 Victor Mfg. & Gasket Co.: *See—*  
 Kosatka, Thomas O. 2,709,098.  
 Lillis, Stephen M., and Toman. 2,702,162.  
 Victoreen Instrument Co.: *See—*  
 Victoreen, John A. 2,728,005.  
 Victoreen, John A., and Eddleston. 2,728,004.  
 Victoreen, John A., to Victoreen Instrument Co. 2,728,005, Cl. 313—54.  
 Victoreen, John A., and J. H. Eddleston, to The Victoreen Instrument Co. 2,728,004, Cl. 313—54.  
 Video Television, Inc.: *See—*  
 Kaplan, Marvin. 2,700,699.  
 Viebrock, Carl H., and E. A. Cook. 2,700,310, Cl. 74—650.  
 Viehweger, August. 2,720,123, Cl. 74—722.  
 Vierra, Antone N. 2,726,406, Cl. 4—228.  
 Viets, Walter. 2,699,082, Cl. 81—58.2.  
 Viewmaller Co.: *See—*  
 Austin, Charles C. 2,715,853.  
 Viggers, Charles G. 2,717,697, Cl. 210—55.  
 Viglione, Gaetano T. 2,708,441, Cl. 131—140.  
 Vigmostad, Trygve, to Briggs Mfg. Co. 2,698,957, Cl. 16—292—121.  
 Vigmostad, Trygve, to Briggs Mfg. Co. 2,698,959, Cl. 16—163.  
 Vigmostad, Trygve, to Briggs Mfg. Co. 2,703,727, Cl. 128.1.  
 Vigmostad, Trygve, to Briggs Mfg. Co. 2,709,909, Cl. 70—142.  
 Vigmostad, Trygve, to Briggs Mfg. Co. 2,709,910, Cl. 70—144.  
 Vigmostad, Trygve, to Briggs Mfg. Co. 2,710,223, Cl. 296—117.  
 Vigmostad, Trygve, to Briggs Mfg. Co. 2,720,676, Cl. 16—163.  
 Vigmostad, Trygve, and R. F. Anderson, to Briggs Mfg. Co. 2,702,401, Cl. 16—166.  
 Vigon, Jule. 2,725,464, Cl. 240—81.  
 Vigum, Leonard N., and R. Osterud. 2,700,859, Cl. 56—23.  
 Viking Mfg. Co.: *See—*  
 Erickson, Carl E. 2,705,597.  
 Viko Furniture Corp.: *See—*  
 Kranz, William J. 2,706,519.  
 Vilbig, Friedrich. 2,712,573, Cl. 179—100.3.  
 Vilbig, Friedrich. 2,721,782, Cl. 346—107.  
 Vile, Norman J., to The Eagle Lock Co. 2,726,531, Cl. 70—38.  
 Vile, Thomas T. 2,725,062, Cl. 134—94.  
 Villa, Honorato. 2,712,158, Cl. 18—33.  
 Villani, Antonio, to Draper Corp. 2,706,500, Cl. 139—196.  
 Villemure, Joseph. 2,717,028, Cl. 155—124.  
 Villforth, Frederick J., Jr.: *See—*  
 Barber, Everett M., Muenger, and Villforth. 2,713,790.  
 Villo, Joseph P., to Standard Pressed Steel Co. 2,716,559, Cl. 312—107.  
 Vilter Mfg. Co., The: *See—*  
 Sloan, Harry. 2,724,240.  
 Vincent, Andrew W. 2,700,070, Cl. 179—18.  
 Vincent, Archie J., to The C. S. Johnson Co. 2,727,734, Cl. 259—155.  
 Vincent, Charles B. 2,721,426, Cl. 51—164.  
 Vincent, Daniel B., to P. E. Edrington. 2,705,842, Cl. 34—102.  
 Vincent, Jean M. G.: *See—*  
 Thomann, Raymond A., and Vincent. 2,709,492.  
 Vincent, John R., deceased, by M. B. Vincent, administratrix, to E. I. du Pont de Nemours & Co. 2,727,879, Cl. 260—45.8.  
 Vincent, Margaret B.: *See—*  
 Vincent, John R. 2,727,879.  
 Vincent-McCall Co., The: *See—*  
 Vincent, William W., Jr. 2,702,074.  
 Vincent, William W., Jr. 2,703,599.  
 Vincent, Renic P., to Stanolind Oil and Gas Co. 2,698,582, Cl. 103—52.  
 Vincent, Renic P., to Stanolind Oil and Gas Co. 2,704,980, Cl. 103—52.  
 Vincent, Renic P., and H. Schaefer, to Stanolind Oil and Gas Co. 2,706,406, Cl. 73—155.  
 Vincent, Robert W. 2,725,669, Cl. 46—77.



- Vincent, Russell S., and F. J. P. J. Burger, to British Dielectric Research Ltd. 2,719,833, Cl. 260—33.6.
- Vincent, Simon. 2,720,705, Cl. 33—88.
- Vincent, Valentine C., to Palmer Plastics, Inc. 2,707,579, Cl. 222—79.
- Vincent, William W., Jr., to The Vincent-McCall Co. 2,702,074, Cl. 155—53.
- Vincent, William W., Jr., to The Vincent-McCall Co. 2,703,599, Cl. 155—45.
- Vinco Corp.: *See*—  
Holm, Karl V. 2,712,754.  
Riddell, Vernon E., and Buttiger. 2,708,332.  
Stapleton, Clarence B. 2,723,459.
- Vine, Allyn C.: *See*—  
Ewing, William M., and Vine. 2,703,009.
- Vine, Allyn C., A. C. Redfield, A. W. Jacobson, and J. L. Russell, to the United States of America as represented by the Secretary of the Navy. 2,704,936, Cl. 73—178.
- Vines, Oscar L., to Alford Cartons. 2,707,073, Cl. 229—28.
- Vines, Oscar L., to Alford Cartons. 2,717,115, Cl. 229—28.
- Vines, Oscar L., to Alford Cartons. 2,717,116, Cl. 229—28.
- Vineyard, George H.: *See*—  
Garrison, John B., and Vineyard. 2,712,613.
- Vining, Howard C., to Jones & Vining, Inc. 2,707,291, Cl. 12—128.1.
- Vining, William H., to E. I. du Pont de Nemours and Co. 2,715,140, Cl. 260—498.
- Vinoff, Ivan: *See*—  
Gradoff, Alex, Howell, and Vinoff. 2,714,221.
- Viola, James A. 2,708,701, Cl. 201—63.
- Violante, Joseph: *See*—  
Tarapczynski, Sigmund. 2,722,419.
- Virginia-Carolina Chemical Corp.: *See*—  
Mangham, Jesse R. 2,722,479.
- Virginia Metal Products, Inc.: *See*—  
Crown, James A. 2,706,541.
- Viriot, Jacques, to Solvay & Cie. 2,724,002, Cl. 260—650.
- Virmani, Bryant D.,  $\frac{1}{10}$  to The James Knights Co., and  $\frac{9}{10}$  to Polyducer Corp. 2,702,691, Cl. 259—1.
- Vironda, Italo D.: *See*—  
Kirkpatrick, Leland W., and Vironda. 2,707,462.  
Vironda, Philip G. 2,701,427.
- Vironda, Philip G., to I. D. Vironda. 2,701,427, Cl. 43—44.89.
- Virtis Co., Inc.: *See*—  
Bender, Charles E. 2,728,459.
- Viscardi Corp.: *See*—  
Viscardi, John. 2,711,132.
- Viscardi, John, to Viscardi Corp. 2,711,132, Cl. 101—170.
- Visch, Henri M., to Hartford National Bank & Trust Co., trustee. 2,722,663, Cl. 336—87.
- Vischer, Alfred, Jr. 2,715,251, Cl. 21—98.
- Visco Products Co.: *See*—  
Kirkpatrick, Willard H., and Walker. 2,723,960.
- Viscontini, Max: *See*—  
Karrer, Paul, and Viscontini. 2,703,323.
- Visk, Albert E. 2,700,474, Cl. 211—2.
- Visking Corp., The: *See*—  
Adams, George M. 2,713,307.  
Dougherty, Ralph W. 2,715,761.  
Dougherty, Ralph W., and Eichin. 2,698,574.
- Visser, Gerrit A., A. H. Melchert, and J. A. Crawford, to Hawkeye Steel Products Inc. 2,726,316, Cl. 219—41.
- Visser, Gerrit A., A. H. Melchert, and J. A. Crawford, to Hawkeye Steel Products Inc. 2,727,115, Cl. 200—168.
- Visser, Simon H. R., to Hartford National Bank and Trust Co., trustee. 2,721,838, Cl. 204—142.
- Vissers, Herbert, to C. V. Machinefabriek H. Vissers. 2,718,337, Cl. 222—177.
- Vistain, James E., Jr., to Admiral Corp. 2,707,639, Cl. 274—10.
- Vitalis, Emil A., to American Cyanamid Co. 2,717,842, Cl. 117—138.8.
- Vitalis, Emil A., to American Cyanamid Co. 2,717,877, Cl. 252—8.7.
- Vitalis, Emil A., to American Cyanamid Co. 2,721,848, Cl. 252—153.
- Vitarama Corp., The: *See*—  
Dresser, W. Robert. 2,716,717.  
Dresser, Willis R. 2,711,668.  
Dresser, Willis R. 2,718,849.  
Waller, Fred. 2,705,439.
- Vitols, Viktors, to John Wood Co. 2,706,064, Cl. 220—19.
- Vitoux, Marcel. 2,711,218, Cl. 163—5.
- Vitro Corp. of America: *See*—  
Ravnsford, Charles K. 2,724,268.  
Soffel, Arthur R. 2,722,122.
- Vittorio Necchi S. p. A.: *See*—  
Pagni, Alessandro. 2,704,986.  
Pagni, Alessandro. 2,711,145.  
Pasquini, Vittorio, and Guerrini. 2,716,952.
- Vittorio Necchi Societa per Azioni: *See*—  
Pagni, Alessandro. 2,726,053.
- Vittum, Paul W.: *See*—  
Graham, Bruce, Vittum, and Weissberger. 2,725,292.  
McCrosen, Fred C., Vittum, and Weissberger. 2,728,658.
- Vivolo, Michael D. 2,713,440, Cl. 220—20.5.
- Vix, Henry L. E.: *See*—  
Gastrock, Edward A., Vix, D'Aquin, Graci, and Spadaro. 2,727,914.  
Gastrock, Edward A., Vix, D'Aquin, Spadaro, and Graci. 2,726,253.
- Vizard, William C., to Barbour Welting Co. 2,700,231, Cl. 36—78.
- Vizard, William C., to Barbour Welting Co. 2,709,858, Cl. 36—78.
- Vizza, Joseph. 2,709,299, Cl. 30—125.
- Vlachos, Constantinos H. 2,725,013, Cl. 103—136.
- Vlaich, George, to Ford Motor Co. 2,698,567, Cl. 97—197.
- Vichek, Frank, Jr.: *See*—  
Bonham, Walter G. 2,718,210.
- Vlock, Mark. 2,701,426, Cl. 40—159.
- Vlock, Mark. 2,710,742, Cl. 259—75.
- Vodonik, Joseph L., to E. I. du Pont de Nemours and Co. 2,727,882, Cl. 260—75.
- Voegeli, Henry E., to The American Brass Co. 2,715,457, Cl. 206—46.
- Voegelin, Fritz, to Maschinenfabrik Scharer. 2,703,669, Cl. 226—3.
- Voelker, John G.: *See*—  
Day, Carl L., and Voelker. 2,721,021.
- Voelker, Joseph G., to Allied Chemical & Dye Corp. 2,700,601, Cl. 48—214.
- Voelker, Joseph G., to Allied Chemical & Dye Corp. 2,700,602, Cl. 48—214.
- Voelker, Walter D.: *See*—  
Kratohvil, Kenneth V., and Voelker. 2,718,576.
- Voet, Andries, to J. M. Huber Corp. 2,720,461, Cl. 106—30.
- Vogel, Albert: *See*—  
Keeshan, Alvin W., Marder, and Vogel. 2,717,756.
- Vogt, Alois: *See*—  
Auwärter, Max. 2,715,667.  
Auwärter, Max. 2,719,097.  
Winkler, Otto C. 2,713,183.
- Vogel, Alvin R., to Northrop Aircraft, Inc. 2,700,791, Cl. 16—140.
- Vogel, Alvin R., to Northrop Aircraft, Inc. 2,704,646, Cl. 244—75.
- Vogel, Charles A.: *See*—  
Post, Herman D., and Vogel. 2,705,262.
- Vogel, Charles B., to Shell Development Co. 2,708,485, Cl. 181—0.5.
- Vogel, Edward A., to Fairbanks, Morse & Co. 2,699,657, Cl. 64—25.
- Vogel, Fred J., to Allis-Chalmers Mfg. Co. 2,723,379, Cl. 336—70.
- Vogel, John L.: *See*—  
Straub, Edward L., Eicher, and Vogel. 2,706,852.
- Vogel, Louis W. 2,710,482, Cl. 43—57.5.
- Vogel, Paul R., to Fabrique Solvil des Montres Paul Ditisheim S. A. 2,707,862, Cl. 58—74.
- Vogel, Rudolf, to Neva-Clog Products, Inc. 2,726,393, Cl. 1—3.05.
- Vogel Tool & Die Corp.: *See*—  
Koster, Frank. 2,704,124.
- Vogelbach, Curt: *See*—  
Konz, Wilhelm, and Vogelbach. 2,719,868.
- Vogeley, Clyde E., Jr.: *See*—  
Stahl, William L., and Vogeley. 2,707,270.
- Vogelsberg, Walter H., to Proctor Electric Co. 2,726,297, Cl. 200—122.
- Vogl, Hugh W. 2,722,870, Cl. 93—1.
- Vogler, Benjamin T., to Essex Wire Corp. 2,725,447, Cl. 201—63.
- Vogler, Ellis M. 2,725,147, Cl. 211—66.
- Vogler, Selma D., and M. Norton, to Angelica Uniform Co. 2,725,566, Cl. 2—74.
- Voglewede, Arthur E.: *See*—  
Ruble, Romey F. 2,700,425.
- Vogt, Alois: *See*—  
Auwärter, Max. 2,699,093.  
Winkler, Otto. 2,703,673.
- Vogt, Clarence W. 2,702,150, Cl. 226—51.
- Vogt, Clarence W. 2,703,537, Cl. 107—8.
- Vogt, Clarence W. 2,703,764, Cl. 117—37.
- Vogt, Clarence W. 2,704,049, Cl. 118—101.
- Vogt, Clarence W. 2,705,104, Cl. 229—87.
- Vogt, Clarence W. 2,715,493, Cl. 229—69.
- Vogt, Clarence W. 2,720,737, Cl. 53—55.
- Vogt, Clarence W. 2,722,329, Cl. 216—21.
- Vogt, Clarence W. 2,722,330, Cl. 216—21.
- Vogt, Clarence W. 2,722,331, Cl. 216—33.
- Vogt, Clarence W. 2,723,774, Cl. 216—33.
- Vogt, Clarence W. 2,724,939, Cl. 53—155.
- Vogt, Clarence W. 2,725,105, Cl. 164—84.5.
- Vogt, Clarence W. 2,725,798, Cl. 93—1.
- Vogt, Clarence W. 2,726,784, Cl. 216—33.
- Vogt, Clarence W. 2,728,476, Cl. 216—21.
- Vogt, Clarence W. 2,728,477, Cl. 216—33.
- Vogt, Henry, Machine Co.: *See*—  
Heuser, Henry V. 2,700,280.
- Void, Lester: *See*—  
Pfeffer, William E. 2,710,377.
- Voight, August L. 2,703,670, Cl. 226—33.
- Voigt, Fred: *See*—  
Unschuld, Henry M. 2,705,941.
- Voigt, Hans: *See*—  
Lorenz, Max, Voigt, and Walch. 2,723,839.
- Voigt, Herbert L., and R. N. Sellon, Jr., to Geuder, Paeschke & Frey Co. 2,714,368, Cl. 119—71.
- Voigt, Johnston S.: *See*—  
Kishline, Floyd F., and Voigt. 2,718,409.
- Voigt, Max T., to American Safety Table Co., Inc. 2,703,369, Cl. 310—76.
- Voigt, Max T. 2,706,545, Cl. 192—18.
- Voigt, Robert H. 2,706,008, Cl. 180—19.
- Voigtland & Sohn Aktiengesellschaft: *See*—  
Mische, Friedrich W. 2,704,969.



- Voigtländer A. G.: *See*—  
Tronnier, Albrecht W. 2,720,139.
- Voigtlander & Sohn Aktiengesellschaft: *See*—  
Faulhaber, Fritz. 2,713,293.  
Faulhaber, Fritz. 2,726,585.
- Voigtman, Edward H., to Paper Patents Co. 2,725,640, Cl. 34—41.
- Voisin, Louise P.: *See*—  
Parent, Maurice G., and Voisin. 2,724,301.
- Vokes Ltd.: *See*—  
Chaffey, Reginald H. 2,705,546.
- Volckening, Henry G. 2,726,415, Cl. 15—68.
- Vold, Earl D.: *See*—  
Gill, William M., and Vold. 2,716,882.
- Volk, Emil A., Jr., and H. Troeger, to Bendix Aviation Corp. 2,728,234, Cl. 74—7.
- Volk, Paul, to Siemens-Schuckertwerke Aktiengesellschaft. 2,727,196, Cl. 318—142.
- Volk, Victor F. 2,699,897, Cl. 235—122.
- Völker, Alois: *See*—  
Zimmermann, Richard, and Völker. 2,705,967.
- Volkert, John, Metal Stampings Inc.: *See*—  
Sandberg, Rolf A. F. 2,698,889.
- Volkmar, William H., to Prince Castle Mfg. Division Inc. 2,699,924, Cl. 259—108.
- Vollman, Heinrich: *See*—  
Rösch, Georg, Wolf, and Vollmann. 2,727,043.
- Vollmann, Heinrich, F. Baumann, and B. Bienert, to Farbenfabriken Bayer Aktiengesellschaft. 2,701,252, Cl. 260—325.
- Volpin, Alexander S. Re. 23,957, Cl. 137—246.1<sup>2</sup>
- Volpin, Alexander S. 2,705,019, Cl. 137—315.
- Voltmer, Helmut: *See*—  
Wolff, Edwin K., Voltmer, and Neimeier. 2,726,861.
- Voltohm Processes Ltd.: *See*—  
Guardiola Aragones, Francisco, Devaud, and Reinwald. 2,712,521.
- Reinwald, Oskar. 2,712,601.
- Voltz, Sterling E., to Houdry Process Corp. 2,714,054, Cl. 23—145.
- Volz, John A. 2,709,827, Cl. 16—33.
- Volz, Philip E.: *See*—  
Shenk, Eugene R., Canfora, and Volz. 2,716,158.  
Shenk, Eugene R., and Volz. 2,714,627.
- Volz, Philip E., to Radio Corp. of America. 2,706,785, Cl. 250—36.
- Volz, Philip E., to Radio Corp. of America. 2,714,705, Cl. 332—14.
- Von Aesch, Otto, to Fabrique d'Horlogerie de Fontainemelon. 2,724,946, Cl. 58—113.
- Von Behren, Robert A., to Minnesota Mining & Mfg. Co. 2,711,901, Cl. 274—41.4.
- Von Bolhar, Edgar, to Yuba Mfg. Co. 2,698,686, Cl. 209—457.
- Von der Crone, Carl, & Co.: *See*—  
Heller, Karl, and Stumpf. 2,707,780.
- Von der Heide, Elmer J.: *See*—  
Stacy, Thomas F., and von der Heide. 2,714,225.
- Vonderschmitt, Bernard, to Radio Corp. of America. 2,708,689, Cl. 178—69.5.
- Von Duyke, Harrison M., to Modern Products Mfg. Corp. 2,721,391, Cl. 33—175.
- Von Elm, Gunter. 2,712,926, Cl. 259—108.
- Von Fredersdorff, Claus G.: *See*—  
Pettyjohn, Elmore S., and von Fredersdorff. 2,715,573.
- Von Fuener, Wilhelm: *See*—  
Nonnenmacher, Helmut, and von Fuener. 2,705,733.  
Oettinger, Willi, Nonnenmacher, von Fuener, and Reitz. 2,706,705.
- Reitz, Ortwin, and von Fuener. 2,706,209.
- Von Fuener, Wilhelm, W. Oettinger, H. Nonnenmacher, and O. Reitz, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,708,180, Cl. 196—53.
- Von Gierke, Henning E., to the United States of America as represented by the Secretary of the Air Force. 2,719,523, Cl. 128—152.
- Von Glahn, William H., and L. N. Stanley, to General Aniline & Film Corp. 2,706,142, Cl. 8—61.
- Von Glutz, Dr., & Muller Aktiengesellschaft: *See*—  
Schenk, Max. 2,710,804.
- Von Gunten, Edward G., by Decree of Distribution to M. B. Von Gunten. 2,708,269, Cl. 2—13.
- Von Gunten, Edward G., by Decree of Distribution to M. B. Von Gunten. 2,708,270, Cl. 2—13.
- Von Gunten, Maggie B.: *See*—  
Von Gunten, Edward G. 2,708,269.  
Von Gunten, Edward G. 2,708,270.
- Von Hofe, George W., to New Jersey Machine Corp. 2,720,995, Cl. 216—55.
- Von Hofe, George W., to New Jersey Machine Corp. 2,725,101, Cl. 164—48.
- Von Hofe, George W., and E. K. Wolff, to New Jersey Machine Corp. 2,703,660, Cl. 216—55.
- Von Hofe, George W., and E. K. Wolff, to New Jersey Machine Corp. 2,723,775, Cl. 216—55.
- Von Hofen, John R.: *See*—  
McConnell, William M., and Von Hofen. 2,707,876.
- Von Hoorn, Fred G., to General Electric Co. 2,727,109, Cl. 200—117.
- Von Hoorn, Fred G., to General Electric Co. 2,727,110, Cl. 200—117.
- Von, Isaiah, to American Cyanamid Co. 2,716,645, Cl. 260—249.
- Von Karman, Theodore, and F. L. Wattendorf. 2,713,392, Cl. 170—1.5.
- Von Kienlin, Markus: *See*—  
Maybach, Karl, von Kienlin, and Sternkopf. 2,717,583.
- Von Kokeritz, Karl: *See*—  
Blackford, Raymond H., von Kokeritz, and Schwaller. 2,710,023.
- Von Lassberg, to Maschinenfabrik Augsburg-Nürnberg A. G. 2,701,553, Cl. 121—194.
- Von Linde, Robert: *See*—  
Baier, Walter, and von Linde. 2,726,042.
- Vonnegut, Bernard, to General Electric Co. 2,702,471, Cl. 73—28.
- Vonnegut Hardware Co.: *See*—  
Eichacker, Homer A. 2,710,216.
- Vonnegut Moulder Corp.: *See*—  
Lindenberg, Eric R. 2,714,790.
- Vono Ltd.: *See*—  
Hatton, Donald J. 2,712,655.
- Von Rechenberg, Hans A. F., to Kalker Trieurfabrik und Fabrik Gelochter Bleche Mayer & Cie. 2,713,942, Cl. 209—22.
- Von Reis, Alf E. G., S. E. Kreisher, P. Quitter, and T. S. Williamson, to Orchard Industries, Inc. 2,721,820, Cl. 154—91.
- Von Schertel, Hanns, to Supramar A. G. 2,720,180, Cl. 114—66.5.
- Von Schickh, Otto, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,712,032, Cl. 260—566.
- Von Schickh, Otto, and H. Riedl, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,702,301, Cl. 260—500.
- Von Silvers, Carl H.: *See*—  
Person, Lars B., Von Silvers, Wadö, and Wickman. 2,717,277.
- Person, Lars B., von Silvers, Wadö, and Wickman. 2,718,554.
- Person, Lars B., von Silvers, Wadö, and Wickman. 2,728,817.
- Von Stoesser, Walter, to R. T. Moloney. 2,727,743, Cl. 273—118.
- Von Wald, Walter A., Jr.: *See*—  
Slaughter, Herbert H., Jr., and Von Wald. 2,705,255.
- Von Waldbergen, Leo T. 2,709,040, Cl. 235—59.
- Von Wangenheim, Adolf, to Detroit Controls Corp. 2,714,488, Cl. 236—12.
- Von Wangenheim, Adolf, to Detroit Controls Corp. 2,714,759, Cl. 29—33.
- Von Zeppelin, Kurt: *See*—  
Junghans, Helmut, von Zeppelin, Storz, and Letsche. 2,721,443.
- Voorheis, Joseph T., to The Coen Co. 2,701,660, Cl. 220—55.
- Voorhies, Alexis, Jr.: *See*—  
Doering, Felix F., Jr., and Voorhies. 2,717,866.  
Hemminger, Charles E., Nicholson, and Voorhies. 2,701,787.
- Voorhies, Alexis, Jr., to Esso Research and Engineering Co. 2,703,780, Cl. 196—27.
- Voorhies, Alexis, Jr., to Esso Research and Engineering Co. 2,721,184, Cl. 252—445.
- Voorhorst, Johan. 2,699,777, Cl. 128—215.
- Vordahl, Milton B., to Rem-cru Titanium, Inc. 2,704,251, Cl. 75—175.5.
- Vor dem Esche, Wilhelm: *See*—  
Hoff, Hubert, vor dem Esche, and Lessing. 2,721,134.
- Vore, Milton P.: *See*—  
Kroft, Herbert M., and Vore. 2,724,971.
- Vorech, Stephen, to Bendix-Westinghouse Automotive Air Brake Co. 2,724,410, Cl. 137—791.
- Vorech, Stephen, to Bendix-Westinghouse Automotive Air Brake Co. 2,728,592, Cl. 286—15.
- Vorenkamp, Egbert R., to Shell Development Co. 2,721,530, Cl. 114—206.
- Vorgang, Otto, ½ to R. Morgenstern. 2,725,462, Cl. 240—2.
- Vorhis, Harold E.: *See*—  
Broberg, Orrin R., and Vorhis. 2,703,182.
- Voris, Robert S., to Hercules Powder Co. 2,716,615, Cl. 106—189.
- Voris, William H. 2,719,093, Cl. 117—18.
- Vorms, Armand, to Societe Nouvelle de L'Outillage R. B. V. et de la Radio-Industrie (R. B. V.-R. d.). 2,700,066, Cl. 178—71.
- Vorwerk, Otto K., to Hüttenwerk Rheinhausen Aktiengesellschaft. 2,702,967, Cl. 49—14.
- Vosbikian, Peter S. and T. S. 2,701,888, Cl. 15—115.
- Vosbikian, Peter S. and T. S. 2,725,585, Cl. 15—119.
- Vosbikian, Thomas S.: *See*—  
Vosbikian, Peter S. and T. S. 2,701,888.  
Vosbikian, Peter S. and T. S. 2,725,585.
- Vose, Fred C.: *See*—  
McCoy, Robert L., and Vose. 2,721,362.
- Vose, Fred C., and B. W. Ruth, to General Electric Co. 2,709,058, Cl. 248—67.7.
- Vose, Robert W., to Chicopee Mfg. Corp. 2,724,870, Cl. 19—106.
- Voskresenski, Jacob D. 2,708,801, Cl. 38—77.
- Voss, Otto J., to The Simmons National Bank. 2,714,809, Cl. 64—1.
- Voss, Otto J., to The Simmons National Bank. 2,720,118, Cl. 74—82.
- Voss, Raymond O.: *See*—  
Dalton, Robert H., and Voss. 2,707,850.
- Voss, William J. 2,707,652, Cl. 296—43.
- Vossbrinck, William J. H. 2,720,217, Cl. 137—561.
- Vosseler, Otto. 2,712,998, Cl. 99—29.
- Vossen, Jean, to Solvay & Cie. 2,708,681, Cl. 260—648.



- Vossloh-Werke G. m. b. H.: *See*—  
Dahlhaus, Herman, and Winterhoff. 2,702,377.
- Votaw, Bobby R. 2,721,961, Cl. 317—99.
- Votypka, John W., and C. E. Hale, to Detroit Harvester Co. 2,709,621, Cl. 296—120.
- Vought, Lester A. 2,727,136, Cl. 240—6.41.
- Voytilla, Joe E., to E. I. du Pont de Nemours and Co. 2,709,139, Cl. 99—214.
- Vrana, Charles: *See*—  
Vrana, Mary, E. M., and C. 2,705,495.
- Vrana, Elizabeth M.: *See*—  
Vrana, Mary, E. M., and C. 2,705,495.
- Vrana, Mary, E. M., and C. 2,705,495, Cl. 128—229.
- Vranckx-Deroover, Rosalie. 2,721,360, Cl. 19—100.
- Vredenburg-Inglesby, Julius C.: *See*—  
Fries, Gustav. 2,707,162.
- Vriens, Gerard N., and E. C. Medcalf, to American Cyanamid Co. 2,727,927, Cl. 260—621.
- Vrilakas, Marcus. 2,710,834, Cl. 204—212.
- Vroman, Walter J., and A. Van Dort. 2,709,030, Cl. 228—42.
- Vroom, Edward, to Bell Telephone Laboratories, Inc. 2,723,308, Cl. 178—26.
- Vrtis, Charles S.: *See*—  
Barrett, Edward L. 2,711,519.
- Barrett, Edward L. 2,711,527.
- Klostermann, Curt W. 2,699,534.
- Vulcan Copper & Supply Co.: *See*—  
Giesse, Robert C., and Ludka. 2,703,274.
- Vulcan Corp.: *See*—  
Clausing, Henry G. 2,716,248.
- Clausing, Henry G. 2,716,431.
- Clausing, Henry G. 2,720,670.
- Clausing, Henry G. 2,720,671.
- Clausing, Henry G. 2,726,496.
- Giese, Alphonse J. 2,721,590.
- Schmank, Edward F. 2,702,394.
- Vulcan Machine Co.: *See*—  
Detrow, Edgar L. 2,700,854.
- Vulcan Mfg. Co., Inc.: *See*—  
Nilson, Harold, and Phennig. 2,708,882.
- Vulcan Research Corp.: *See*—  
Westling, Carl J. 2,707,494.
- Vulmière, Jacques C.: *See*—  
Fourestier, Max, Gladu, and Vulmière. 2,699,770.
- Vutz, Wilhelm, and M. Peterson, to Avco Mfg. Corp. 2,704,670, Cl. 275—6.
- Vutz, William, to Consolidated Diesel Electric Corp. 2,714,454, Cl. 209—215.
- W-K-M Mfg. Co., Inc.: *See*—  
Clade, Robert. 2,715,412.
- Clade, Robert. 2,718,665.
- Clade, Robert. 2,719,023.
- Hawkins, William M., Jr. 2,699,798.
- W. P. Equipment Corp.: *See*—  
Siebert, Ray O. 2,701,573.
- Wetzel, Fred J. 2,723,792.
- Waber, Donald, and R. Braunstein, Jr. 2,710,114, Cl. 221—232.
- Wabnitz, Richard E. 2,712,271, Cl. 89—41.
- Wachs, Julius T. 2,715,409, Cl. 134—140.
- Wachsman, Jacob. 2,700,881, Cl. 66—163.
- Wachter, Aaron, and R. J. Moore, to Shell Development Co. 2,717,196, Cl. 21—2.5.
- Wachter, Aaron, and T. Skel, to Shell Development Co. 2,711,360, Cl. 21—2.5.
- Wachter, Aaron, and N. Stillman, to Shell Development Co. 2,717,843, Cl. 117—156.
- Wachter, Theresia M. Re. 24,021, Cl. 58—90.
- Wacker-Chemie G. m. b. H.: *See*—  
Meinel, Karl. 2,716,131.
- Nitzsche, Siegfried, Kalb, and Fellermeier. 2,719,859.
- Wackher, Richard C.: *See*—  
Bloch, Herman S., and Wackher. 2,726,272.
- Bloch, Herman S., and Wackher. 2,726,273.
- Bloch, Herman S., and Wackher. 2,726,274.
- Waddey, Walter E.: *See*—  
Howell, William C., Jr., and Waddey. 2,724,654.
- Smith, Paul V., Jr., Knoth, and Waddey. 2,722,517.
- Waddey, Walter E., J. M. Phelan, and D. T. Rogers, to Esso Research and Engineering Co. 2,703,318, Cl. 260—97.5.
- Waddington, Rogor S.: *See*—  
Duval, Bruce, and Waddington. 2,708,058.
- Waddington, William H., to American Machine and Foundry Co. 2,717,085, Cl. 211—74.
- Wade Electric Products Co.: *See*—  
Herterick, Vincent R. 2,704,356.
- Long, Jasper. 2,703,395.
- Wade, Francis A., and W. Metzner. 2,725,644, Cl. 35—48.
- Wade, R. M., & Co.: *See*—  
Cornelius, Gail. 2,702,717.
- Wade, Robert C., and P. P. Alexander, to Metal Hydrides Inc. 2,702,740, Cl. 23—204.
- Wade, Walter A.: *See*—  
Barrett, Edward L. 2,711,519.
- Barrett, Edward L. 2,711,527.
- Klostermann, Curt W. 2,699,534.
- Wadelton, Donald P.: *See*—  
Hoge, Ralph O., and Wadelton. 2,715,534.
- Wadhams, James B., to The Ohio Crankshaft Co. 2,716,693, Cl. 219—10.41.
- Wadley, Edward F.: *See*—  
Baumgarten, Peter K., Hoffmann, and Wadley. 2,717,861.
- Wadö, Kurt R.: *See*—  
Person, Lars B., von Sivers, Wadö, and Wickman. 2,718,554.
- Wadö, Reid K.: *See*—  
Person, Lars B., von Sivers, Wadö, and Wickman. 2,717,277.
- Person, Lars B., von Sivers, Wadö, and Wickman. 2,728,817.
- Wadsworth Electric Mfg. Co., Inc., The: *See*—  
Middendorf, William H. 2,716,679.
- Wadsworth, Francis T., to Pan American Refining Corp. 2,709,695, Cl. 260—82.
- Wadsworth, Francis T., to Pan American Refining Corp. 2,712,538, Cl. 260—82.
- Wadsworth, Raymond H.: *See*—  
Bieger, Jacob J., and Wadsworth. 2,704,085.
- Wadsworth, Sanford I. 2,720,696, Cl. 30—41.5.
- Waechter, Harry J., to P. Benninghofen, and F. B. Diesbach. 2,726,864, Cl. 271—59.
- Wagenknecht, Arthur P. 2,712,776, Cl. 92—51.
- Wagenseil, Ludwig, to Siemens-Schuckertwerke Aktiengesellschaft. 2,705,292, Cl. 310—196.
- Wager, Robert H. 2,699,799, Cl. 137—498.
- Wagler, Karl F. 2,725,205, Cl. 248—27.8.
- Waggoner, Jack H., to Owens-Corning Fiberglas Corp. 2,710,275, Cl. 154—91.
- Waggoner, Julius D. and M. I. 2,704,872, Cl. 24—260.
- Waggoner, Mabel I.: *See*—  
Waggoner, Julius D. and M. I. 2,704,872.
- Wagner, Adam, and W. Wiessner, to Ernst Leitz, G. m. b. H. 2,708,395, Cl. 95—11.5.
- Wagner, Adolf, and F. Hugel, to the firm Zeller & Gmelin. 2,726,163, Cl. 106—277.
- Wagner, Adolph A.: *See*—  
Werner, Arnold J., and Wagner. 2,711,597.
- Wagner, Adolph A., and A. J. Werner, to Wagner Iron Works. 2,711,551, Cl. 15—82.
- Wagner, Adolph A., and A. J. Werner, to Wagner Iron Works. 2,722,324, Cl. 214—131.
- Wagner, Donald D. 2,717,018, Cl. 150—52.
- Wagner Electric Corp.: *See*—  
Schnell, Steve. 2,712,367.
- Wagner, Ernest A., to General Electric Co. 2,699,663, Cl. 68—263.
- Wagner, Ervin L. 2,699,009, Cl. 43—42.25.
- Wagner, Forrest L. 2,725,559, Cl. 2—8.
- Wagner, Frank C., and Tien-Shih Liu, to Horizons Inc. 2,723,929, Cl. 148—26.
- Wagner, Frederick A.: *See*—  
Klein, Robert J., and Wagner. 2,703,073.
- Wagner, Frederick A. 2,718,103, Cl. 51—184.3.
- Wagner, Frederick A. 2,724,932, Cl. 51—124.
- Wagner, Frederick A., and A. D. Pierce, to Campbell, Wyant & Cannon Foundry Co. 2,700,624, Cl. 117—97.
- Wagner, Frederick W., Jr., to The Eastern Box Co. 2,723,074, Cl. 229—41.
- Wagner, George E., 50% to C. Moritz. 2,713,499, Cl. 280—179.
- Wagner, George H., to Union Carbide and Carbon Corp. 2,705,206, Cl. 117—100.
- Wagner, George H., to Union Carbide and Carbon Corp. 2,705,222, Cl. 252—188.
- Wagner, Glenn B., to the United States of America as represented by the Secretary of the Navy. 2,703,016, Cl. 74—18.2.
- Wagner, Hans F.: *See*—  
Moritz, Kurt, and Wagner. 2,702,565.
- Wagner, Henry J. 2,722,588, Cl. 219—8.
- Wagner Iron Works: *See*—  
Wagner, Adolph A., and Werner. 2,711,551.
- Wagner, Adolph A., and Werner. 2,722,324.
- Werner, Arnold J., and Wagner. 2,711,597.
- Wagner, James E. 2,721,718, Cl. 248—214.
- Wagner, Jay E. 2,722,744, Cl. 32—17.
- Wagner, John C., to International Harvester Co. 2,725,251, Cl. 292—241.
- Wagner, Joshua: *See*—  
Schroeder, Louis H., and Wagner. 2,710,134.
- Wagner, Karl G. 2,702,083, Cl. 166—176.
- Wagner, Katie F. 2,718,893, Cl. 132—64.
- Wagner, Kurt, to August Sauter K. G. 2,721,770, Cl. 308—2.
- Wagner, Marcel. 2,706,506, Cl. 145—52.
- Wagner, Max, to Daimler-Benz Aktiengesellschaft. 2,703,708, Cl. 267—20.
- Wagner, Max, to Daimler-Benz Aktiengesellschaft. 2,703,709, Cl. 267—20.
- Wagner, Max, to Daimler-Benz Aktiengesellschaft. 2,708,586, Cl. 280—95.
- Wagner, Max, to Daimler-Benz Aktiengesellschaft. 2,724,600, Cl. 280—106.5.
- Wagner, Robert J.: *See*—  
Koerner, Harry E., and Wagner. 2,712,080.
- Thomas, Eugene P., and Wagner. 2,726,910.
- Wagner, Robert J., and H. E. Hortman, Jr., to Proctor Electric Co. 2,702,336, Cl. 219—43.
- Wagner, Robert J., and H. E. Hortman, Jr., to Proctor Electric Co. 2,710,627, Cl. 137—540.
- Wagner, Robert J., and E. P. Thomas, to Westinghouse Electric Corp. 2,726,909, Cl. 311—6.
- Wagner, Willard F., ½ to C. W. Glenn. 2,711,639, Cl. 67—7.1.
- Wagner, Willard F., ½ to C. W. Glenn. 2,720,098, Cl. 67—7.1.
- Wagner, William. 2,702,415, Cl. 20—69.
- Wagner, William E. 2,700,510, Cl. 241—99.



- Wagnon, Francis M. 2,707,364, Cl. 56—30.  
Wagstaff, Gaston C. 2,707,589, Cl. 229—92.8.  
Waguet, Philippe, to General Electric Co. 2,714,689, Cl. 315—92.  
Wahl, Albert J.: *See*—  
Gould, Robert E., Wahl, and Mead. 2,699,591.  
Wahl, Arnold S., to Wm. J. Stange Co. 2,708,164, Cl. 99—48.  
Wahl Clipper Corp.: *See*—  
Wahl, Leo J. 2,711,018.  
Wahl, Leo J. 2,723,662.  
Wahl, Edward C., to Gits Bros. Mfg. Co. 2,712,459, Cl. 286—11.  
Wahl, Eugene A., and R. J. Winters, to P. Ballantine & Sons. 2,716,497, Cl. 214—6.  
Wahl, Leo J., to Wahl Clipper Corp. 2,711,018, Cl. 30—223.  
Wahl, Leo J., to Wahl Clipper Corp. 2,723,662, Cl. 128—67.  
Wahl, Louis F. 2,709,820, Cl. 6—1.  
Wahlborg, Karl J., to Aktiebolaget Eléktrolux. 2,723,724, Cl. 183—37.  
Wahlin, Fred W., to Spraying Systems Co. 2,701,412, Cl. 29—157.  
Wahlin, Fred W., to Spraying Systems Co. 2,722,458, Cl. 299—154.  
Wahlmark, Gunnar A., to Sundstrand Machine Tool Co. 2,722,889, Cl. 103—38.  
Waibel, Wilhelm, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. 2,711,363, Cl. 23—85.  
Wain-Roy Corp.: *See*—  
Holopainen, Vaino J. 2,698,697.  
Wainer, Eugene: *See*—  
Jones, Lewis J., and Wainer. 2,698,786.  
Wainer, Eugene, to Radio Corp. of America. 2,703,354, Cl. 201—63.  
Wainer, Eugene, to Horizons Titanium Corp. 2,707,170, Cl. 204—64.  
Wainer, Eugene, to Horizons Inc. 2,707,697, Cl. 167—87.1.  
Wainer, Eugene, to Horizons Titanium Corp. 2,722,509, Cl. 204—64.  
Wainer, Eugene, to Horizons Inc. 2,723,930, Cl. 148—26.  
Wainer, Eugene, to Horizons Titanium Corp. 2,724,635, Cl. 23—88.  
Wainer, Eugene, and M. E. Sibert, to Horizons Titanium Corp. 2,707,168, Cl. 204—61.  
Wainer, Eugene, and R. A. Kempe, to Thompson Products, Inc. 2,711,973, Cl. 117—107.  
Wainer, Eugene, and R. A. Kempe, to Thompson Products, Inc. 2,711,975, Cl. 117—129.  
Wainer, Eugene, and M. E. Sibert, to Horizons Titanium Corp. 2,714,575, Cl. 204—71.  
Wainwright, Vernon L.: *See*—  
Hopkins, Lloyd C., Schrickel, and Wainwright. 2,699,013.  
Wait, Louis S., 22.5% to N. Bauch, 15% to D. Robertson, 9.5% to V. Evans, 9.5% to M. McDonald, 1% to O. A. Tannenbaum, 5% to G. W. Shelley, 5% to R. E. Shelley, and 10% to D. A. Rose. 2,718,630, Cl. 340—222.  
Waite, Edwin P., to Cole Engineering Corp. 2,727,280, Cl. 19—142.  
Waite, Fred L., to American Machine & Foundry Co. 2,707,142, Cl. 312—71.  
Waite, Leslie O., to the United States of America as represented by the United States Atomic Energy Commission. 2,721,273, Cl. 250—41.9.  
Waite, Ralph D., to American Machine and Metals, Inc. 2,707,398, Cl. 73—416.  
Waite, William G.: *See*—  
Higgins, William F., and Waite. 2,721,172.  
Wakefield, Joseph A., to Durafencing Ltd. 2,705,509, Cl. 140—24.  
Wakefield, Joseph A., to Durafencing Ltd. 2,705,600, Cl. 242—55.  
Wakefield, Thomas C.: *See*—  
Stern, Robert G., and Wakefield. 2,724,192.  
Wakeman, Reginald L.: *See*—  
Tesoro, Giuliana C., and Wakeman. 2,700,683.  
Tesoro, Giuliana C., and Wakeman. 2,700,684.  
Walberg, Maynard E., to Allis-Chalmers Mfg. Co. 2,715,554, Cl. 308—187.2.  
Walberg, Maynard E., to Allis-Chalmers Mfg. Co. 2,723,613, Cl. 97—46.33.  
Walborn, Horace L., to Dialrite Associates. 2,699,858, Cl. 197—47.  
Walch, Eugen: *See*—  
Lorenz, Max, Voigt, and Walch. 2,723,839.  
Wald, Franklin D. R.: *See*—  
Blaustein, Paul H., Wald, and Millard. 2,712,976.  
Wald, Harold C.: *See*—  
Pollock, Lou, and Wald. 2,699,731.  
Pollock, Lou, and Wald. 2,728,609.  
Wald Industries, Inc.: *See*—  
Mosher, Edward. Re. 24,008.  
Wald, Paul J.: *See*—  
Truby, George. 2,703,620.  
Wald, William: *See*—  
Bernard, John J., and Wald. 2,719,118.  
Walde, Arthur W.: *See*—  
Kerr, Kathel B., and Walde. 2,702,775.  
Kerr, Kathel B., and Walde. 2,702,776.  
Kerr, Kathel B., and Walde. 2,702,777.  
Kerr, Kathel B., and Walde. 2,702,778.  
Zbornik, Thomas W., Morehouse, and Walde. 2,715,600.  
Walden, Jesse E. 2,700,402, Cl. 143—17.  
Walden, Myrick A.: *See*—  
Linsley, Douglas F. 2,720,793.  
Walden, Roy H. 2,723,045, Cl. 220—32.  
Waldes, George, to Waldes Kohinoor, Inc. 2,718,047, Cl. 28—78.  
Waldes Kohinoor, Inc.: *See*—  
Erdmann, Hans. 2,712,398.  
Schaad, John. 2,700,351.  
Soave, John G. 2,708,968.  
Waldes, George. 2,718,047.  
Wurzel, Hugo. 2,710,202.  
Waldie, George A., to The Youngstown Sheet and Tube Co. 2,719,953, Cl. 324—37.  
Waldkötter, Erich G. R., to Siemens-Schuckertwerke Aktiengesellschaft. 2,718,688, Cl. 29—25.3.  
Waldorf, Arthur J.: *See*—  
Schafer, William J. 2,728,904.  
Waldorf Paper Products Co.: *See*—  
Dunning, Robert M. 2,706,594.  
Guyer, Reynolds. 2,701,110.  
Guyer, Reynolds. 2,701,692.  
Guyer, Reynolds. 2,702,151.  
Guyer, Reynolds. 2,706,076.  
Guyer, Reynolds. 2,723,027.  
Hedlund, Harland R., and Burnham. 2,717,541.  
Mairs, Thomas G., and Lilygren. 2,727,675.  
Zastrow, Harold G. 2,727,677.  
Waldron, Cloyd D., and R. A. Graff. 2,720,945, Cl. 188—90.  
Waldron, John, Corp.: *See*—  
Anderson, Henry A., Eadie, and Morley. 2,699,656.  
Pomper, Anthony W. 2,705,424.  
Waldron, William R., and R. C. Franklin, to E. I. du Pont de Nemours & Co. 2,728,788, Cl. 260—456.  
Waldschutz, Franz J., to Mesta Machine Co. 2,714,339, Cl. 90—33.  
Waldsmith, Cecil A., to Lovejoy Flexible Coupling Co. 2,721,049, Cl. 248—23.  
Wale, Herbert E. 2,705,846, Cl. 42—1.  
Wales, George F.: *See*—  
Taylor, Paul H., and Wales. 2,720,264.  
Wales, George F. 2,709,124, Cl. 346—78.  
Wales, Harry, to McGraw Electric Co. 2,721,717, Cl. 248—206.  
Wales, Nathaniel B., Jr., to Industrial Patent Corp. 2,699,857, Cl. 197—1.  
Wales, Nathaniel B., Jr., to Industrial Patent Corp. 2,700,150, Cl. 340—174.  
Wales-Strippit Corp.: *See*—  
Rovoldt, Charles L. 2,708,573.  
Taylor, Paul H. 2,704,125.  
Taylor, Paul H. 2,708,109.  
Taylor, Paul H. 2,708,908.  
Taylor, Paul H. 2,708,970.  
Taylor, Paul H. 2,713,901.  
Taylor, Paul H. 2,716,451.  
Taylor, Paul H., and Wales. 2,720,264.  
Zumwalt, Robert F. 2,711,313.  
Walgreen Co.: *See*—  
Schmitt, Roland G., and Swedberg. 2,728,570.  
Walline, Clifford M. 2,716,607, Cl. 99—77.1.  
Walk Time, Inc.: *See*—  
Hastings, Norman R. 2,711,099.  
Hastings, Norman R. 2,724,100.  
Walkama, Roy M. 2,702,913, Cl. 15—104.  
Walker, Alec H. B., and K. G. King, to Westinghouse Brake and Signal Co. Ltd. 2,707,262, Cl. 321—19.  
Walker, Alice: *See*—  
Kirkpatrick, Willard H., and Walker. 2,723,960.  
Walker, Benjamin H. 2,703,120, Cl. 144—253.  
Walker, Brooks. 2,705,515, Cl. 145—116.  
Walker, Brooks. 2,708,098, Cl. 254—88.  
Walker Brothers: *See*—  
Blinn, Glenn E. 2,721,983.  
Walker Crossweller & Co. Ltd.: *See*—  
Barker, Clifford L. 2,725,896.  
Walker, Daniel N.: *See*—  
Feilden, Geoffrey B. R., Walker, and Meeson. 2,700,415.  
Walker, Delos A., to International Harvester Co. 2,700,266, Cl. 56—41.  
Walker, Donald C., to Standard Oil Co. 2,726,526, Cl. 67—22.  
Walker, Edwin F., 1/2 to J. F. Walker. 2,707,859, Cl. 56—295.  
Walker, Ethel. 2,707,351, Cl. 47—39.  
Walker, Eugene J., and F. L. Gelzheiser, to Westinghouse Electric Corp. 2,709,729, Cl. 200—88.  
Walker, Everett E.: *See*—  
Poock, Herman J. 2,726,015.  
Walker, Fred J.: *See*—  
Kretsch, Hans W., and Walker. 2,721,962.  
Walker, Gertrude A. 2,721,395, Cl. 34—90.  
Walker, Harold O.: *See*—  
Brink, Edwin H., and Walker. 2,713,030.  
Green, Walter P., Jr., and Walker. 2,713,031.  
Walker, Harry H. 2,714,461, Cl. 214—384.  
Walker, Harry M., to Monsanto Chemical Co. 2,702,815, Cl. 260—465.  
Walker, Harry M., and W. F. Yates, to Monsanto Chemical Co. 2,726,255, Cl. 260—451.  
Walker, Hiram, & Sons Inc.: *See*—  
Smiley, Karl L., and Stone. 2,702,265.  
Walker, James: *See*—  
Chase, Basil H., and Walker. 2,723,282.  
Walker, James B., Jr., to The Babcock & Wilcox Co. 2,710,148, Cl. 241—52.  
Walker, James D., to Walker Process Equipment Inc. 2,720,489, Cl. 210—2.



- Walker, James W.: *See*—  
Robertson, Nat C., and Walker. 2,719,166.
- Walker, Jay P., C. O. Glasgow, and A. W. Francis, Jr., to National Tank Co. 2,713,919, Cl. 183—2.7.
- Walker, John W.: *See*—  
Loyles, Rudolph O., and Walker. 2,716,977.
- Walker, Joseph, and N. W. Lambert, to The Pure Oil Company. 2,727,925, Cl. 260—621.
- Walker, Joseph B. 2,705,908, Cl. 95—45.
- Walker, Juanita F.: *See*—  
Walker, Edwin F. 2,707,859.
- Walker, Kenneth E.: *See*—  
Belasco, Irvin J., and Walker. 2,718,467.
- Walker, Kenneth H.: *See*—  
Thompson, Meredith H., and Walker. 2,706,895.
- Walker, Laurence R., to the United States of America as represented by the Secretary of the Navy. 2,719,240, Cl. 313—37.
- Walker, Louis D. 2,703,615, Cl. 164—84.5.
- Walker Mfg. Co. of Wisconsin: *See*—  
Trautman, Walter C., and Arnes. 2,706,052.
- Walker, Merle H., to Remington Arms Co., Inc. 2,719,300, Cl. 1—106.
- Walker, Neville E., to American Junior Aircraft Co. 2,708,431, Cl. 124—22.
- Walker, Neville E., to American Junior Aircraft Co. 2,714,783, Cl. 46—77.
- Walker, Neville E. 2,717,297, Cl. 200—166.
- Walker Process Equipment Inc.: *See*—  
Meredith, Robert J. 2,698,655.  
Obma, Chester A. 2,717,774.  
Walker, James D. 2,720,489.
- Walker, Raymond L. 2,725,149, Cl. 211—177.
- Walker, Richard M., to Sylvania Electric Products Inc. 2,706,278, Cl. 333—98.
- Walker, Richard M., to Sylvania Electric Products Inc. 2,722,661, Cl. 333—81.
- Walker, Robert D. 2,703,697, Cl. 255—1.8.
- Walker, Robert E. 2,718,214, Cl. 119—102.
- Walker, Robert M.: *See*—  
Anderson, Arthur G., Horton, and Walker. 2,718,629.
- Walker, Russell: *See*—  
Kellogg, Donald S., and Walker. 2,716,520.
- Walker, Samuel S. 2,705,804, Cl. 2—83.
- Walker, Willard R., and J. B. Peck, to Easy Washing Machine Corp. 2,707,475, Cl. 134—174.
- Walker, William E., and J. S. Harris, to Radio Corp. of America. 2,713,085, Cl. 178—69.
- Walker, William H.: *See*—  
Pool, Stuart D., and Walker. 2,716,358.
- Walker, William J.: *See*—  
Ritchie, Thomas R., Scott, and Walker. 2,721,079.
- Walker, William S.: *See*—  
Hughes, Charles E., and Walker. 2,726,483.
- Walker, William W. 2,705,612, Cl. 255—16.
- Walkoe, Kenneth H.: *See*—  
Molyneaux, Robert J., and Walkoe. 2,727,975.
- Wall, Alexander C.: *See*—  
Patterson, Morehead, Wall, and Thiem. 2,726,086.
- Wall, Henry H., Jr., to Ethyl Corp. 2,723,913, Cl. 75—167.
- Wall, James L.,  $\frac{1}{2}$  to J. L. Crossley. 2,700,708, Cl. 200—61.52.
- Wall, Monroe E.: *See*—  
Rothman, Edward S., and Wall. 2,715,122.
- Wall, Monroe E., to the United States of America as represented by the Secretary of Agriculture. 2,719,845, Cl. 260—239.55.
- Wall, Monroe E., and M. M. Krider, to the United States of America as represented by the Secretary of Agriculture. 2,711,408, Cl. 260—239.55.
- Wall P., Mfg. Co.: *See*—  
Schoenwald, Alexander. 2,711,470.
- Wallace, Burgess P., to Whitehead Brothers Co. 2,714,077, Cl. 117—100.
- Wallace, Charles F., to Wallace & Tiernan Inc. 2,713,267, Cl. 73—388.
- Wallace, De Loss D.: *See*—  
Baugh, Everett L., and Wallace. 2,698,515.  
Baugh, Everett L., and Wallace. 2,716,995.
- Wallace, Donald K. 2,721,475, Cl. 73—66.
- Wallace, Edward H., to United States Rubber Co. 2,700,998, Cl. 152—356.
- Wallace, Edwin G.: *See*—  
Menn, Jacob J., and Wallace. 2,727,928.
- Wallace, Eldridge W., to North Wayne Tool Co. 2,716,281, Cl. 30—279.
- Wallace, Frank C.: *See*—  
Kottmann, Arthur A. 2,717,560.  
Kottmann, Arthur A. 2,724,351.
- Wallace, Frank C., to Collins Radio Co. 2,715,802, Cl. 51—124.
- Wallace, Frank C., to Collins Radio Co. 2,716,178, Cl. 219—17.
- Wallace, Frederick J., to American Cystoscope Makers, Inc. 2,706,979, Cl. 128—1.4.
- Wallace, H. W., & Co. Ltd.: *See*—  
More, Arthur R. 2,699,671.
- Wallace, Harry F. 2,728,534, Cl. 242—84.1.
- Wallace, Henry W.: *See*—  
Bliss, Charles H., and Wallace. 2,728,061.
- Wallace, James B.: *See*—  
Born, William F., and Wallace. 2,725,542.
- Wallace, James B., and W. F. Born, to Westinghouse Electric Corp. 2,727,939, Cl. 174—88.
- Wallace, James M., and A. W. Edwards, to Westinghouse Electric Corp. 2,700,081, Cl. 200—89.
- Wallace, Jeffrey J., to Gullett Gin Co. 2,712,673, Cl. 19—37.
- Wallace, John D. 2,724,171, Cl. 29—25.35.
- Wallace, John G., to E. I. du Pont de Nemours and Co. 2,720,440, Cl. 8—111.
- Wallace, John G., to E. I. du Pont de Nemours and Co. 2,720,441, Cl. 8—111.
- Wallace, Marcel: *See*—  
Hurvitz, Hyman. 2,700,157.
- Wallace, Marcel,  $\frac{1}{2}$  to said Wallace, d. b. a. Panoramic Laboratories. 2,700,101, Cl. 250—20.
- Wallace, Marcel,  $\frac{1}{2}$  to said Wallace, d. b. a. Panoramic Laboratories. 2,704,806, Cl. 250—20.
- Wallace, Marcel,  $\frac{1}{2}$  to said Wallace, d. b. a. Panoramic Laboratories. 2,704,807, Cl. 250—20.
- Wallace, Marcel,  $\frac{1}{2}$  to said Wallace, d. b. a. Panoramic Laboratories. 2,704,808, Cl. 250—20.
- Wallace, Marcel,  $\frac{1}{2}$  to M. Wallace, d. b. a. Panoramic Laboratories. 2,724,831, Cl. 343—112.
- Wallace, Mary L.: *See*—  
Schildknecht, Calvin E., and Wallace. 2,713,573.
- Wallace, Oliver A.: *See*—  
Willard, George B., and Wallace. 2,726,744.
- Wallace, Richard B., to G. A. Noble. 2,718,740, Cl. 55—84.
- Wallace, Robert A., to W. O. Beyer. 2,709,092, Cl. 285—90.
- Wallace, Robert E., Sr. 2,702,489, Cl. 81—58.1.
- Wallace, Robert L., Jr.: *See*—  
Linville, John G., and Wallace. 2,726,370.
- Raisbeck, Gordon, and Wallace. 2,713,665.
- Wallace, Roger W.: *See*—  
Glennon, James B., and Wallace. 2,704,030.
- Wallace, Stanley. 2,708,795, Cl. 34—94.
- Wallace, Thomas P., to The Murray Co. of Texas, Inc. 2,718,669, Cl. 19—59.
- Wallace & Tiernan Inc.: *See*—  
Booth, George M. 2,720,314.  
Conkling, William C. 2,715,417.  
Marks, Henry C., and Sarli. 2,710,246.  
Marks, Henry C., and Strandskov. 2,715,582.  
McBair, Henry C. 2,720,107.  
Reiner, Laszlo, and Miller. 2,724,721.  
Sawyer, Hilton W. 2,715,879.  
Wallace, Charles F. 2,713,267.  
Walter, Lewis A., Barry, and Clark. 2,713,050.  
Walter, Lewis A., Barry, and Clark. 2,713,051.
- Wallace & Tiernan Products Corp.: *See*—  
Hamm, Edwin B. 2,701,201.
- Merckel, Frederick G., and Reiner. 2,700,012.
- Wallace, William E., and L. Richter, to General Aniline & Film Corp. 2,728,761, Cl. 260—153.
- Wallace, William T., to Hickok Mfg. Co. Inc. 2,718,043, Cl. 24—178.
- Wallaceburg Brass Ltd.: *See*—  
Stott, John E. 2,720,215.
- Wallach, Arthur. 2,720,204, Cl. 129—1.
- Wallen, Walter A. 2,702,442, Cl. 43—57.5.
- Wallenberg, Ned L., J. G. Attwood, and E. Schoij, to Union Special Machine Co. 2,704,042, Cl. 112—162.
- Waller, Birgit: *See*—  
Lundin, Harold. 2,708,304.
- Waller, Coy W., and C. F. Wolf, to American Cyanamid Co. 2,716,651, Cl. 260—343.3.
- Waller, Fred, to The Vitarama Corp. 2,705,439, Cl. 88—28.
- Waller, George. 2,705,148, Cl. 273—106.
- Waller, George S. 2,727,499, Cl. 123—59.
- Waller, Gustav M., to Burgess-Norton Mfg. Co. 2,712,964, Cl. 305—10.
- Waller, Gustav M., to Burgess-Norton Mfg. Co. 2,719,759, Cl. 305—10.
- Waller, Harold E., to The Boss Mfg. Co. 2,723,399, Cl. 2—165.
- Waller, James H. D. 2,705,826, Cl. 25—154.
- Waller, Lyle G., to Henney Motor Co., Inc. 2,707,792, Cl. 15—182.
- Waller, William C. 2,700,274, Cl. 59—85.
- Waller, Willie A. 2,709,364, Cl. 73—141.
- Wallerstein Co., Inc.: *See*—  
Gray, Philip P. 2,711,963.  
Stone, Irwin. 2,717,852.
- Walley, Joseph J. 2,712,226, Cl. 66—110.
- Walley, Omar C., to Jack & Heintz, Inc. 2,720,571, Cl. 201—51.
- Wallin, Francis T. 2,718,225, Cl. 128—30.
- Wallin, Gus W., to Motorola, Inc. 2,705,288, Cl. 250—40.
- Wallin, Maynard B.: *See*—  
Dixon, Paul H., and Wallin. 2,712,192.
- Walline, William H. 2,728,585, Cl. 280—62.
- Wallis, Albert E.: *See*—  
Ramsay, Alexander G., and Wallis. 2,726,951.
- Wallis, Albert E., and J. Pincott, to The International Nickel Co., Inc. 2,726,144, Cl. 23—183.
- Wallis, John S.: *See*—  
Throckmorton, John W., and Wallis. 2,703,072.
- Wallman, Frank E. 2,712,057, Cl. 240—6.4.
- Wallman, Frank E. 2,725,253, Cl. 294—26.
- Wallmark, John T., to Radio Corp. of America. 2,726,353, Cl. 315—12.
- Wallour, Chapin: *See*—  
Tyler, Alfred W., and Wallour. 2,706,231.
- Walls, John J.: *See*—  
De la Cova, Paul V., and Walls. 2,703,866.



- Wallwin (Turning Machines) Ltd.: *See*—  
Fenby, Hyban R. B. 2,726,020.
- Walmer, Russell W. 2,707,500, Cl. 143—36.
- Walmsley, Leslie L., to American Viscose Corp. 2,721,465, Cl. 68—62.
- Walner, William H. 2,721,755, Cl. 294—19.
- Walpole, Harold L.: *See*—  
Heinemann, Edward H., Mayo, and Walpole. 2,702,680.  
Heinemann, Edward H., Mayo, and Walpole. 2,708,555.
- Walsh, Bernard A. 2,717,109, Cl. 224—5.
- Walsh, Edgar, Jr., to E. Landesman. 2,704,510, Cl. 101—123.
- Walsh, John J., to Johnson, Stephens and Shinkle Shoe Co. 2,722,755, Cl. 36—19.5.
- Walsh, Lester V.: *See*—  
Roth, Grant V. W., and Walsh. 2,699,536.  
Roth, Grant V. W., and Walsh. 2,719,281.
- Walsh, Ralph W.: *See*—  
Martin, Earnest E. 2,709,118.  
Martin, Earnest E. 2,727,471.
- Walsh, Robert, to A. C. F. Industries, Inc. 2,717,746, Cl. 248—10.
- Walsh, Robert, to American Car and Foundry Co. 2,719,487, Cl. 105—35.
- Walsh, Robert, to American Car and Foundry Co. 2,719,488, Cl. 105—62.
- Walsh, Robert A. 2,708,647, Cl. 154—95.
- Walsh, William A. G.: *See*—  
Branch, Maurice C., King, and Walsh. 2,722,630.
- Walstrom, John E., to California Research Corp. 2,725,486, Cl. 250—83.6.
- Walter, B., & Co., Inc.: *See*—  
Walter, Henry P. 2,699,862.
- Walter, Carl W., to Fenwal Inc. 2,702,034, Cl. 128—214.
- Walter, Carl W., to Fenwal Inc. 2,702,037, Cl. 128—221.
- Walter, Eugene B.: *See*—  
Reime, Bert N., Schmidt, and Walter. 2,701,440.
- Walter, Felix: *See*—  
Ritter, Friedbert, and Walter. 2,701,188.  
Ritter, Friedbert, and Walter. 2,701,190.
- Walter, Frank. 2,719,981, Cl. 2—269.
- Walter, Hellmuth, to Worthington Corp. 2,717,118, Cl. 230—116.
- Walter, Hellmuth, to Worthington Corp. 2,725,873, Cl. 126—109.
- Walter, Henry A.: *See*—  
Boyd, Thomas, and Walter. 2,700,031.  
Boyd, Thomas, and Walter. 2,700,032.  
Boyd, Thomas, and Walter. 2,700,033.
- Walter, Henry P., to B. Walter & Co., Inc. 2,699,862, Cl. 198—221.
- Walter, John H.: *See*—  
McCullough, James N., Halle, and Walter. 2,699,493.
- Walter, John M., to The G. A. Gray Co. 2,708,861, Cl. 90—58.
- Walter, Jules G.: *See*—  
Cohn, Samuel, Walter, and Cohn. 2,700,543.
- Walter, Lewis A., R. H. Barry, and J. R. Clark, to Wallace & Tiernan Inc. 2,713,050, Cl. 260—294.9.
- Walter, Lewis A., R. H. Barry, and J. R. Clark, to Wallace & Tiernan Inc. 2,713,051, Cl. 260—295.
- Walter, Lewis C.: *See*—  
Walters, Theodore M. 2,715,860.
- Walter, Ludwig. 2,702,345, Cl. 250—33.
- Walter, Maurice. 2,719,044, Cl. 280—106.
- Walter, Maurice G. H.: *See*—  
Watts, Laurence D., and Walter. 2,718,270.
- Walter, Orville L.: *See*—  
Haskell, Frederic V., Sutton, and Walter. 2,703,218.
- Walter, Otto L.: *See*—  
Luckhardt, Johannes. 2,710,645.
- Walter, Paul O. 2,709,315, Cl. 43—24.
- Walter, Paul O. 2,709,738, Cl. 200—152.
- Walter, Paul R., to Combustion Engineering, Inc. 2,715,019, Cl. 257—241.
- Walter, Richard H., Jr., to Aeroil Products Co. Inc. 2,718,217, Cl. 122—250.
- Walter, Robert J., to Truck Equipment Co., Inc. 2,705,152, Cl. 280—104.5.
- Walter, Willy, to A. Monforts. 2,724,907, Cl. 34—87.
- Walters, Albert F. 2,717,162, Cl. 280—150.
- Walters, Andrew W. 2,704,811, Cl. 250—33.
- Walters, Andrew W. 2,706,778, Cl. 250—33.
- Walters, Bruce G. 2,718,102, Cl. 51—173.
- Walters, Everette Q. 2,700,776, Cl. 4—177.
- Walters, George F. 2,704,523, Cl. 110—1.
- Walters, Glenn A., to Dalmo Victor Co. 2,708,263, Cl. 333—98.
- Walters, Harry W. 2,711,893, Cl. 263—51.
- Walters, John F. 2,710,551, Cl. 81—3.46.
- Walters, Leonard J.: *See*—  
Douglas, Alvin P., and Walters. 2,706,135.
- Walters, Shelby L.: *See*—  
Schechter, William H., and Walters. 2,708,152.  
Schechter, William H., and Walters. 2,711,946.
- Walters, Theodore M., 50% to L. C. Walter. 2,715,860, Cl. 92—28.
- Walters, William D.: *See*—  
Cogsdill, Stuart A., and Walters. 2,716,360.
- Walther, Alan T.: *See*—  
Greenleaf, Francis D., Novikoff, and Walther. 2,708,615.
- Walther, Fidejustus, to Groov-Pin Corp. 2,704,473, Cl. 81—53.
- Walther, George, Sr., to The Dayton Steel Foundry Co. 2,701,626, Cl. 188—72.
- Walther, George, Sr., to The Dayton Steel Foundry Co. 2,702,613, Cl. 188—218.
- Walther, John W., to The Dayton Steel Foundry Co. 2,707,324, Cl. 29—529.
- Walton and Brown Ltd.: *See*—  
Watson, Tom. 2,708,786.
- Walton, Charles E. 2,713,258, Cl. 73—33.
- Walton, Edward J., and H. L. Guenther. 2,728,323, Cl. 118—505.
- Walton, Ewart H.: *See*—  
Hall, Alan M., and Walton. 2,723,207.
- Walton, George M.: *See*—  
Johnson, Darrell M., and Walton. 2,706,348.  
Johnson, Darrell M., and Walton. 2,706,349.
- Walton, John E., to the United States of America as represented by the Secretary of the Navy. 2,726,844, Cl. 253—59.
- Walton, John Ridgway, to Chicopee Mfg. Corp. 2,713,876, Cl. 139—134.
- Walton, Kenneth W. W. H.: *See*—  
Ricketts, Colin R., and Walton. 2,715,091.
- Walton, Richard R., and W. B. Clifford, deceased (by B. S. Clifford and A. C. Post, executrices), to L. S. Adams Engineering, Inc. 2,708,303, Cl. 28—5.
- Walton, Robert O., to Garrett Oil Tools, Inc. Re. 2,4015, Cl. 103—233.
- Walton Siding Co.: *See*—  
Reece, Francis A. 2,705,514.
- Walton, William T.: *See*—  
Jensen, Otto, and Walton. 2,722,485.
- Waltz, Anton F. 2,715,468, Cl. 211—123.
- Walworth, Arthur C. 2,699,923, Cl. 257—262.16.
- Walworth Co.: *See*—  
Cotton, Arthur R. 2,718,898.  
Davis, Ralph P. 2,716,789.
- Krummel, Frederick J., and Duemler. 2,718,233.
- Smith-Petersen, Nils O. 2,728,549.
- Smith-Petersen, Nils O., and Krummel. 2,728,349.
- Van Deventer, Frank M. 2,717,758.
- Wampach, Aloyse N. 2,727,497, Cl. 123—7.
- Wampole, Carl J., to General Motors Corp. 2,714,761, Cl. 29—203.
- Wandel, Kurt, to Wilbro Corp. 2,699,629, Cl. 47—9.
- Wandel, Kurt. 2,718,178, Cl. 92—20.
- Wandel, Lorenz A.: *See*—  
Turner, Edgar P., and Wendel. 2,718,945.
- Wandell, Clarence F., Jr. 2,728,156, Cl. 41—4.
- Wandell, James W., 1/2 to S. Haas. 2,723,253, Cl. 260—71.
- Waner, Donald W., to The Morse Instrument Co. 2,706,417, Cl. 74—501.
- Wang, An. 2,700,501, Cl. 235—6.
- Wang, An. 2,708,722, Cl. 307—88.
- Wang, Chao C., to The Sperry Corp. 2,707,758, Cl. 315—3.
- Wanish, George G. 2,707,279, Cl. 2—36.
- Wanish, George G. 2,720,652, Cl. 2—30.
- Wankat, Charles: *See*—  
Titus, Esbon Y., and Wankat. 2,720,537.
- Wankel, Ronald A.: *See*—  
Fogelman, James N., and Wankel. 2,725,390.
- Wannamaker, William H., Jr., to Minneapolis-Honeywell Regulator Co. 2,707,880, Cl. 73—335.
- Wannemacher, William F. 2,719,968, Cl. 340—398.
- Wanner, Louis R., to Sylvania Electric Products Inc. 2,727,218, Cl. 339—126.
- Wanting, Anton, to A. O. Smith Corp. 2,719,239, Cl. 310—258.
- War, United States of America as represented by the Secretary of: *See*—  
Averill, Harold P., Peakes, Whitney, and Scruton. 2,719,794.
- Bergemann, Robert J., and Brill. 2,703,881.
- Bishop, Amasa S. 2,715,182.
- Buck, Willard E. 2,705,274.
- Buck, Willard E., and Travers. 2,715,364.
- Byrne, John F. 2,704,805.
- Chance, Britton, and Jacobsen. 2,709,804.
- Dicke, Robert H. 2,704,351.
- Dunbar, Allen S. 2,721,940.
- Emslie, Alfred G. 2,710,398.
- Fox, Benjamin. 2,706,290.
- Garand, John C. 2,715,789.
- Getting, Ivan A., and Davenport. 2,709,773.
- Golden, Sidney. 2,712,283.
- Gray, John W., and Rodeback. 2,703,400.
- Harvey, Earle M. 2,715,290.
- Havens, Byron L. 2,699,545.
- Hickman, Clarence N. 2,721,518.
- Hickman, Clarence N. 2,721,518.
- Jackson, Albert M. 2,721,275.
- Lazier, Wilbur A., Peppel, and Salzberg. 2,725,335.
- Lee, Richard W. 2,700,762.
- Lentz, John J. 2,724,113.
- Liljegen, Lyle K. 2,713,825.
- Longacre, Andrew. 2,704,848.
- Lukens, Hiram S. 2,705,830.
- Moore, James R. 2,726,385.
- Purcell, Edward M. 2,703,841.
- Schmitt, Otto H. 2,708,749.
- Strandberg, Malcom W. P. 2,703,362.
- Wu, William I. 2,704,323.
- Waranch, Theodore M.: *See*—  
Gintling, John A. 2,702,028.
- Warburton, Ray W.: *See*—  
Fields, Arnold C., and Warburton. 2,725,437.



- Ward, Albert J., Jr.: *See*—  
Stewart, Joseph, and Ward. 2,723,219.
- Ward, Albert N.: *See*—  
Madge, Evelyn W., Purkis, Ward, and Wesley. 2,707,305.
- Ward, Blenkinsop & Co., Ltd.: *See*—  
Hopf, Peter P., and Lishmund. 2,721,152.  
Hopf, Peter P., and Lishmund. 2,721,153.  
Hopf, Peter P., and Lishmund. 2,721,154.
- Ward Brothers Mfg. Co.: *See*—  
Ward, William W. and M. H. 2,714,865.
- Ward, Carl D., to Minneapolis-Honeywell Regulator Co. 2,720,254, Cl. 158—28.
- Ward, Charlie E. 2,723,049, Cl. 221—200.
- Ward, Delbert J. 2,704,824, Cl. 324—51.
- Ward, Donald. 2,723,303, Cl. 174—146.
- Ward, Earl C., and E. L. Wolf. 2,727,736, Cl. 265—72.
- Ward, Flora M.: *See*—  
Ward, William W. 2,725,883.
- Ward, Frank G.: *See*—  
Van Blaricom, Lloyd E., Gray, and Ward. 2,727,029.
- Ward, Frank R.: *See*—  
Leverett, Miles C., Ward, and Weills. 2,718,459.
- Ward, Frank T. 2,725,259, Cl. 302—53.
- Ward, Harold F.: *See*—  
Anderson, James T., and Ward. 2,726,966.
- Ward, Hugh C., to Radio Corp. of America. 2,725,200, Cl. 242—55.
- Ward, Irving A.: *See*—  
Bletcher, Ralph E., and Ward. 2,706,998.
- Ward, James C., to Reynolds Mfg. Co. 2,717,787, Cl. 280—426.
- Ward La France Truck Corp.: *See*—  
Pashkow, William B. 2,726,828.
- Ward, Lawrence T. 2,708,895, Cl. 116—106.
- Ward Leonard Electric Co.: *See*—  
Siskind, Philip. 2,721,298.
- Ward, Leslie A., to Morse Signal Devices. 2,699,541, Cl. 340—293.
- Ward, Leslie A., to Morse Signal Devices. 2,704,840, Cl. 340—213.
- Ward, Mark E., to Surface Combustion Corp. 2,705,996, Cl. 158—118.
- Ward, Milton H.: *See*—  
Ward, William W. and M. H. 2,714,865.
- Ward, Ray A. 2,705,773, Cl. 324—73.
- Ward, Reid, to Baldwin-Ward Mfg. Co., Inc. 2,706,068, Cl. 222—342.
- Ward, William C.: *See*—  
Gever, Gabriel, and Ward. 2,726,241.
- Ward, William C., to The Norwich Pharmacal Co. 2,702,779, Cl. 167—64.
- Ward, William C. 2,718,377, Cl. 254—187.
- Ward, William F.: *See*—  
Rockstrom, Leonard, Ward, and Jindra. 2,720,910.
- Ward, William W., to F. M. Ward. 2,725,883, Cl. 131—228.
- Ward, William W. and M. H., to Ward Brothers Mfg. Co. 2,714,865, Cl. 114—05.
- Wardell, Lynwood, P. F. Leavitt, and R. F. Krupp, to Gerber Products Co. 2,719,484, Cl. 101—363.
- Wardell, Marvin H.: *See*—  
Krupp, Robert F., and Wardell. 2,726,851.
- Warden, Harry L. 2,722,704, Cl. 15—153.
- Warden, William K., to the United States of America as represented by the Secretary of the Army. 2,721,048, Cl. 244—138.
- Ware, Ben F., to The Ajax Mfg. Co. 2,728,447, Cl. 205—24.
- Ware, Ben F., to The Ajax Mfg. Co. 2,728,448, Cl. 205—29.
- Ware, Clinton L. 2,726,450, Cl. 33—21.
- Ware, Gordon K., to Chicago Roller Skate Co. 2,719,723, Cl. 280—112.
- Ware, Walter, to Chicago Roller Skate Co. 2,719,725, Cl. 280—112.
- Warf, James C., and K. H. Schaltegger, to Superweld Corp. 2,726,170, Cl. 117—65.
- Warfield, Charlie W. 2,703,684, Cl. 242—72.
- Warbus, John D.: *See*—  
Hammell, Kemper M., and Warbus. 2,723,737.  
McWethy, Irvin E., and Warbus. 2,726,513.
- Waring, Alfred C. 2,705,177, Cl. 309—23.
- Wark, Homer A., to Sperry Rand Corp. 2,717,833, Cl. 95—7.
- Wark, John D.: *See*—  
Metzler, Charles L., Wark, and Bowen. 2,704,640.
- Warmoltz, Nicolaas, and G. W. Rathenau, to Hartford National Bank and Trust Co. 2,714,680, Cl. 313—93.
- Warne, Eugene H., to Joseph Lucas (Industries) Ltd. 2,712,219, Cl. 60—3928.
- Warne, Thomas P. 2,708,317, Cl. 33—207.
- Warner, Arthur J., and D. K. Keel, to International Telephone and Telegraph Corp. 2,726,233, Cl. 260—93.5.
- Warner, Charles W.: *See*—  
Schmidt, Edwin X., and Warner. 2,719,080.
- Warner, Donald F.: *See*—  
Alford, Joseph S., and Warner. 2,713,767.
- Warner, Donald F., deceased, by M. R. Warner, executrix, to General Electric Co. 2,714,499, Cl. 253—77.
- Warner, Douglas K. 2,699,643, Cl. 60—13.
- Warner Electric Brake & Clutch Co.: *See*—  
Decker, Andrew H. 2,717,977.  
Harter, Paul A. 2,703,378.  
Harter, Paul A. 2,705,058.  
Mason, James A. 2,718,951.  
Meyer, Arthur. 2,714,746.  
Sperr, Charles J., Jr. 2,728,878.
- Warner, Eugene L., and G. W. Dooley, to Ottawa Warner Corp., Inc. 2,708,798, Cl. 37—86.
- Warner, Harry C. 2,703,822, Cl. 179—100.41.
- Warner-Hudnut, Inc.: *See*—  
King, John A., and McMillan. 2,712,542.  
Reinhard, John F., and King. 2,727,893.
- Warner, Ira J.: *See*—  
Ortman, Charles H. 2,701,487.  
Ortman, Charles H. 2,701,488.
- Warner Jewelry Case Co.: *See*—  
Marsh, Francis E. 2,708,508.
- Warner Lewis Co.: *See*—  
McCann, Kelly F. 2,717,082.
- Warner, Mildred R.: *See*—  
Warner, Donald F. 2,714,499.
- Warner, Norman K. 2,722,795, Cl. 56—249.
- Warner, Rilla R. 2,724,429, Cl. 155—127.
- Warner, Stanley W.: *See*—  
McGinty, William K., Procknow, and Warner. 2,708,711.
- Warner, Sterling W., to American Viscose Corp. 2,712,681, Cl. 26—63.
- Warner, Sterling W., to American Viscose Corp. 2,712,682, Cl. 26—63.
- Warner & Swasey Co., The: *See*—  
Curtis, Myron S. 2,706,415.  
Curtis, Myron S., and Schoepe. 2,712,140.  
Darash, Nicholas P. 2,723,686.  
Nichta, John J. 2,714,926.  
Schoepe, Harry. 2,701,477.  
Schuman, Ralph H. 2,706,544.
- Warner & Swasey Research Corp., The: *See*—  
Tandler, William S. 2,699,068.
- Warner, Willard E.: *See*—  
Martin, William F., and Warner. 2,700,823.
- Warnke, Herbert R., and L. G. Barry, to United States Instrument Corp. 2,699,478, Cl. 200—93.
- Warren, Asa E., and M. W. Schavet. 2,720,836, Cl. 103—5.
- Warren, Charles W. 2,722,156, Cl. 88—14.
- Warren, Doyle C., to Chiksan Co. 2,701,146, Cl. 285—22.
- Warren, Doyle C., to Chiksan Co. 2,703,720, Cl. 285—97.3.
- Warren Featherbone Co.: *See*—  
Emmer, Charles E. 2,721,399.
- Warren, Fred. 2,721,497, Cl. 88—24.
- Warren, George E., and R. J. Purvis, to Luthi Machinery & Engineering Co., Inc. 2,721,594, Cl. 146—78.
- Warren, Glenn W., to The Dow Chemical Co. 2,727,076, Cl. 260—658.
- Warren, John C. R., to United States Rubber Co. 2,721,124, Cl. 71—2.6.
- Warren, John C. R., to United States Rubber Co. 2,721,125, Cl. 71—2.6.
- Warren, John C. R., to United States Rubber Co. 2,721,126, Cl. 71—2.6.
- Warren, John C. R., to United States Rubber Co. 2,721,127, Cl. 71—2.6.
- Warren, John C. R., to United States Rubber Co. 2,721,128, Cl. 71—2.6.
- Warren, John C. R., to United States Rubber Co. 2,721,129, Cl. 71—2.6.
- Warren, John C. R., to United States Rubber Co. 2,721,130, Cl. 71—2.6.
- Warren, John C. R., to United States Rubber Co. 2,721,131, Cl. 71—2.6.
- Warren, John C. R., to United States Rubber Co. 2,721,132, Cl. 71—2.6.
- Warren, John C. R., to United States Rubber Co. 2,721,133, Cl. 71—2.6.
- Warren, Richard G.: *See*—  
Pickard, Edgard C., and Warren. 2,728,473.
- Warren, Robert P., to Morton Salt Co. 2,712,892, Cl. 226—2.
- Warren, Ronald G.: *See*—  
Radkowski, Leo S., Warren, Daly, and Ellerman. 2,726,550.
- Warren, S. D., Co.: *See*—  
Oransky, Raymond L., and Doggett. 2,724,665.  
Worthen, Stephen V., and Van Dusen. 2,707,359.
- Warren Tool Corp.: *See*—  
Endsley, Louis E. 2,726,043.  
Endsley, Louis E., and McIntyre. 2,726,044.  
Ohi, Howard E. 2,708,305.
- Warren, William B.: *See*—  
Childers, Spencer L., and Warren. 2,727,654.
- Warrick, Earl L., to Dow Corning Corp. 2,718,512, Cl. 260—37.
- Warrick, Earl L., to Dow Corning Corp. 2,723,964, Cl. 260—37.
- Warrick, Earl L., to Dow Corning Corp. 2,728,743, Cl. 260—46.5.
- Warriner, Ben, IV, to General Precision Laboratory Inc. 2,709,786, Cl. 332—5.
- Warring, Alfred. 2,725,630, Cl. 30—299.
- Warrington, James I. D., to Baker Perkins Inc. 2,704,040, Cl. 107—57.
- Warshaw, Nathaniel, to Market Forge Co. 2,723,886, Cl. 308—6.
- Warshawsky, Samuel H. 2,702,708, Cl. 273—130.
- Wartain, George, to Wartain Lock Co. 2,700,566, Cl. 292—221.
- Wartain Lock Co.: *See*—  
Wartain, George. 2,700,566.
- Warth, William C. 2,702,192, Cl. 279—49.
- Wartian, Avagim. 2,724,606, Cl. 292—165.
- Wartian, George. 2,707,124, Cl. 292—230.
- Warto, Aristides. 2,720,928, Cl. 170—165.



- Warwick, R. E.: *See*—  
Jones, Leonard. 2,718,022.
- Washington Iron Works: *See*—  
Burton, Hobart. 2,720,986.
- Wasilewski, Bruno. 2,723,457, Cl. 33—85.
- Waskiw, Michael. 2,700,363, Cl. 116—125.
- Wassell, Frank Lloyd, to G. P. Wassell. 2,711,741, Cl. 129—16.
- Wassell, Frank L., to G. P. Wassell. 2,726,912, Cl. 312—198.
- Wassell, Georgene P.: *See*—  
Wassell, Frank L. 2,711,741.  
Wassell, Frank L. 2,726,912.
- Wasselle, Joseph A. 2,723,343, Cl. 240—54.
- Wasserbach, Theodore B., to Esso Research and Engineering Co. 2,722,099, Cl. 60—35.4.
- Wasserman, Abraham. 2,715,234, Cl. 12—142.
- Wasserman, Samuel: *See*—  
Koepfer, Casper J., Gilhooly, and Wasserman. 2,704,033.
- Wasson, Hodge R. 2,701,844, Cl. 310—6.
- Wasson, Jones I., and B. W. Geddes, to Esso Research and Engineering Co. 2,711,374, Cl. 106—14.
- Wasson, Wayne N. 2,719,441, Cl. 74—750.
- Wassong, Seymour D.: *See*—  
Teague, Walter D., and Wassong. 2,717,189.
- Wästberg, Lars G.: *See*—  
Palmgren, Allan O. G., and Wästberg. 2,712,586.
- Wasteels, Hubert L. J. 2,726,588, Cl. 95—77.5.
- Wästvind, Allan U., and J. H. Lindbergh, to AB Svenska Flaktfabriken. 2,720,551, Cl. 174—31.
- Wasylow, Nicholas P. 2,716,363, Cl. 81—57.
- Wasyliuka, Paul: *See*—  
Repking, Edward F., and Wasyliuka. 2,710,133.
- Wasyliuka, Paul, to Gaylord Container Corp. 2,717,713, Cl. 217—31.
- Wasyliuka, Paul, to Gaylord Container Corp. 2,723,797, Cl. 229—47.
- Wasyliuka, Paul, to Gaylord Container Corp. 2,724,495, Cl. 206—46.
- Watanabe, Bunzo. 2,720,071, Cl. 56—25.4.
- Watanabe, Masayasu and T. 2,703,875, Cl. 340—136.
- Watanabe, Teruo: *See*—  
Watanabe, Masayasu and T. 2,703,875.
- Waterbury Farrel Foundry & Machine Co., The: *See*—  
Burton, Jesse B. 2,728,318.  
Schaeffer, Joseph M., and Byam. 2,728,267.
- Waterbury Lock & Specialty Co., The: *See*—  
Peterson, John E. 2,700,882.
- Waterbury Tack Co., Inc., The: *See*—  
Holland, Herbert S. 2,714,449.
- Waterfall, Frederick D., and R. L. Hewson, to Imperial Chemical Industries Ltd. 2,711,981, Cl. 148—15.5.
- Waterman, Neil S. 2,722,309, Cl. 206—42.
- Waterman, Russell R. 2,705,535, Cl. 166—40.
- Waterman, Thomas M. 2,726,323, Cl. 240—54.
- Waters, Albert V., to C. A. V. Ltd. 2,717,340, Cl. 317—188.
- Waters, Cecil A. 2,720,002, Cl. 17—18.
- Waters, Milton V.: *See*—  
Clifton, Richard N., Waters, and Ochotschinsky. 2,728,268.
- Water Service Laboratories, Inc.: *See*—  
Shuldener, Henry L. 2,703,176.
- Waterstreet, Roy W. 2,709,068, Cl. 254—173.
- Wathen, Robert L.: *See*—  
Goertz, Raymond C., and Wathen. 2,724,998.
- Wathen, Robert L., to The Sperry Corp. 2,698,932, Cl. 343—7.4.
- Watkins, Charles A.: *See*—  
Wright, John G., Chafin, Sudan, Watkins, and Hanson. 2,698,681.
- Watkins Patents, Inc.: *See*—  
Frear, Jenness B. 2,708,462.
- Watkins, Stanley P., to Armco Steel Corp. 2,700,314, Cl. 80—5.1.
- Watling, John, to Watling Scale Co. 2,715,456, Cl. 194—57.
- Watling Scale Co.: *See*—  
Watling, John. 2,715,456.
- Watmough, Oliver. 2,725,814, Cl. 97—228.
- Watrous, Albert B.: *See*—  
Kuhn, John J., Jr., and Watrous. 2,727,308.
- Watson, Albert T., H. G. Schutze, and G. F. Asselin, to Esso Research and Engineering Co. 2,728,716, Cl. 196—147.
- Watson, Andrew C. 2,727,744, Cl. 273—128.
- Watson, Arthur E., to The B. F. Goodrich Co. 2,704,122, Cl. 164—10.2.
- Watson, Bradley F., to General Motors Corp. 2,705,616, Cl. 257—154.
- Watson, Charles E., ½ to M. R. Pennington. 2,714,735, Cl. 14—71.
- Watson, Edmund A., to ACF Industries, Inc. 2,719,705, Cl. 261—29.
- Watson, Edmund A., M. S. Evans, and R. A. Harris, to ACF Industries, Inc. 2,708,943, Cl. 134—62.
- Watson Elevator Co., Inc.: *See*—  
Callaway, Clarence R. 2,716,467.  
Callaway, Clarence R. 2,719,608.
- Watson, Florence V.: *See*—  
Berntson, Chester Q. 2,700,506.
- Watson, Forrest J.: *See*—  
Harman, Denham, Morris, Watson, and Diamond. 2,725,359.  
Morris, Rupert C., and Watson. 2,706,194.  
327394—P—28
- Watson, Forrest J., to Shell Development Co. 2,722,518, Cl. 252—46.7.
- Watson, Frank C., to The Youngstown Welding & Engineering Co. 2,709,680, Cl. 210—2.
- Watson, Frederick K., J. L. Ludlow, and J. R. Kateley, to E. I. du Pont de Nemours and Co. 2,714,075, Cl. 117—65.
- Watson, Frederick K., and J. L. Ludlow, to E. I. du Pont de Nemours and Co. 2,714,097, Cl. 260—29.2.
- Watson, Harold E. 2,711,607, Cl. 43—3.
- Watson, John E., to The Dentists' Supply Co. of New York. 2,703,435, Cl. 18—34.1.
- Watson, John E., to The Dentists' Supply Co. of New York. 2,705,836, Cl. 32—8.
- Watson, John R., to B. A. Ballou & Co., Inc. 2,711,569, Cl. 22—116.
- Watson, John T.: *See*—  
Stuart, Gerald H., and Watson. 2,714,069.
- Watson, John W. 2,718,391, Cl. 267—49.
- Watson, John W. 2,718,392, Cl. 267—49.
- Watson, John W. 2,718,393, Cl. 267—49.
- Watson, John W. 2,718,394, Cl. 267—49.
- Watson, Kenneth M., to Sinclair Refining Co. 2,707,702, Cl. 202—23.
- Watson, Laidlaw & Co. Ltd.: *See*—  
Simmons, Charles E. G. 2,700,396.
- Watson, Lester H., to The Brunswick-Balke-Collender Co. 2,714,256, Cl. 33—174.
- Watson Mfg. Co., Inc.: *See*—  
Sundquist, Douglas C. 2,726,905.
- Watson, Mildred A.: *See*—  
Thompson, Mary J., and Watson. 2,698,943.
- Watson, Okal O. 2,710,620, Cl. 137—100.
- Watson, Paul R.: *See*—  
Wolff, Ivan A., Watson, and Rist. 2,719,147.
- Watson, Thomas T., to Lukens Steel Co. 2,707,323, Cl. 29—470.9.
- Watson, Thomas T., and A. Riggall, to Lukens Steel Co. 2,711,966, Cl. 106—193.
- Watson, Tom, to Walton and Brown Ltd. 2,708,786, Cl. 29—176.
- Watson, Wallace B., to General Electric Co. 2,702,853, Cl. 250—27.
- Watson, William A., ½ to K. N. Gahagan, and ½ to B. A. Weyl. 2,701,898, Cl. 20—55.
- Watson, William H., J. Osbaldeston, and L. Buckley, to T. M. M. (Research) Ltd. 2,723,113, Cl. 19—159.
- Watson, William R.: *See*—  
Bracco, Donato J., and Watson. 2,712,751.
- Watson, William R., to Bird & Son, Inc. 2,727,443, Cl. 93—36.3.
- Watt, Bob E., to The Texas Co. 2,699,513, Cl. 313—93.
- Wattenberger, Vernon J.: *See*—  
Ogle, Hugh M., and Wattenberger. 2,700,759.
- Wattendorf, Frank L.: *See*—  
Von Karman, Theodore, and Wattendorf. 2,713,392.
- Watter, Michael, to The Budd Co. 2,711,101, Cl. 74—27.
- Watter, Michael, to The Budd Co. 2,724,347, Cl. 105—315.
- Watter, Michael, to The Budd Co. 2,725,255, Cl. 294—64.
- Watters, Clarence J.: *See*—  
Peroutky, Donald C., and Watters. 2,701,324.
- Watters, Norman R.: *See*—  
Long, John E. 2,713,509.
- Wattier, Louis. 2,701,096, Cl. 235—61.
- Wattinger, Ralph H. 2,708,527, Cl. 214—394.
- Wattler, Wilhelm: *See*—  
Stutzer, Hans, Wattler, and Hermann. 2,712,657.
- Watton, Leonard H. N.: *See*—  
Brown, Roland, and Watton. 2,724,330.
- Watts, Alan T.: *See*—  
Mason, Frederick P., and Watts. 2,705,739.
- Watts, Betty M.: *See*—  
Lehmann, Barbara T., and Watts. 2,707,154.
- Watts Electric & Mfg. Co.: *See*—  
Heller, Robert M. 2,704,833.
- Watts, James B., to Watts Mfg. Co. 2,716,424, Cl. 137—512.
- Watts, Laurence D., and M. G. H. Walter, to Scammell Lorries Ltd. 2,718,270, Cl. 180—22.
- Watts Mfg. Co.: *See*—  
Watts, James B. 2,716,424.
- Watts, Rhea N.: *See*—  
Baker, Harold T., and Watts. 2,718,505.
- Watts, Richard T., III: *See*—  
Winfrey, Robert N., and Watts. 2,715,973.
- Wauda, George E.: *See*—  
Rafoth, Bennie A., and Wauda. 2,716,519.
- Waugh, Dale L., to The Dayton Rubber Co. 2,699,685, Cl. 74—233.
- Waugh, Dale L., to The Dayton Rubber Co. 2,705,823, Cl. 24—33.
- Waugh, Dale L., to The Dayton Rubber Co. 2,711,778, Cl. 154—4.
- Waugh, Dale L., to The Dayton Rubber Co. 2,726,976, Cl. 154—4.
- Waugh Equipment Co.: *See*—  
Fillion, Stanley H. 2,715,510.  
Fillion, Stanley H. 2,727,621.  
Fillion, Stanley H., and Schaefer. 2,707,610.
- Waugh, George P.: *See*—  
Kenyon, William O., Waugh, and Unruh. 2,713,570.
- Waukesha Foundry Co.: *See*—  
Funk, Gilbert R. 2,711,102.



- Wawzonek, Joseph: *See*—  
 St. Pierre, Eugene, and Wawzonek. 2,719,417.  
 St. Pierre, Eugene, and Wawzonek. 2,719,420.
- Way, Alben W. 2,716,489, Cl. 210—43.
- Way, Leo C. 2,704,466, Cl. 74—528.
- Way, Robert B., and C. Hersey. 2,725,035, Cl. 118—503.
- Way, Stewart, to Westinghouse Electric Corp. 2,716,330, Cl. 60—39.65.
- Wayland, Edwin M. 2,702,119, Cl. 209—91.
- Wayman, Robert W.: *See*—  
 Hettinger, Sidney V., Jr., and Wayman. 2,725,762.
- Wayne Foundry & Stamping Co.: *See*—  
 MacPherson, Carl D. 2,724,667.
- Wayson, Andrew J., to Merriman Brothers, Inc. 2,718,112, Cl. 57—120.
- Weakland, Walter L., to Rockledge Mfg. Co. 2,710,518, Cl. 56—314.
- Weakley, Francis B.: *See*—  
 Mehlretter, Charles L., and Weakley. 2,715,627.
- Wean Equipment Corp.: *See*—  
 Donald, William P. 2,700,332.
- Weatherbie, Everett J. 2,719,654, Cl. 222—263.
- Weatherhead Co., The: *See*—  
 Johnson, Andrew G. 2,725,845.
- Weatherly, William G. 2,698,606, Cl. 121—40.
- Weather-Proof Co., The: *See*—  
 Pettersen, Wilber E. 2,723,713.  
 Pettersen, Wilber E. 2,723,732.
- Weathers, Leland C., to Vickers Inc. 2,717,970, Cl. 310—225.
- Weaver, Adelaide A.: *See*—  
 Weaver, Mark. 2,702,960.
- Weaver, Allan: *See*—  
 Dahlbom, Carl A., and Weaver. 2,710,892.
- Weaver, Calvin P. 2,727,637, Cl. 214—1.
- Weaver, Homer W.: *See*—  
 Cirrito, Anthony J., and Weaver. 2,710,457.
- Weaver, Hugh T., to Lear, Inc. 2,724,251, Cl. 64—15.
- Weaver, Jeremiah W., J. G. Frick, Jr., and J. D. Reid, to the United States of America as represented by the Secretary of Agriculture. 2,711,998, Cl. 260—29.4.
- Weaver, Joe C., Jr., to Stanolind Oil and Gas Co. 2,715,604, Cl. 202—39.
- Weaver, John A.: *See*—  
 Gilroy, John, Weaver, and Hay. 2,699,927.
- Weaver, Joseph B.: *See*—  
 Adamson, Lee T. 2,718,330.
- Weaver, Kenneth R.: *See*—  
 Spiess, Newton E., Jr., Widdoes, and Weaver. 2,723,790.
- Weaver Mfg. Co.: *See*—  
 Squyer, Albert R., and Dirksen. 2,714,327.
- Weaver, Mark, 50% to A. A. Weaver. 2,702,960, Cl. 43—25.2.
- Weaver, Miles A., and G. K. Greminger, Jr., to The Dow Chemical Co. 2,712,500, Cl. 99—48.
- Weaver, Morris. 2,705,559, Cl. 209—139.
- Weaver, Ruth K., and P. T. Hahn, to Gaylord Products, Inc. 2,698,623, Cl. 132—34.
- Weaver, Samuel H., to Ingersoll-Rand Co. 2,719,762, Cl. 308—121.
- Weaving, John H., to The Austin Motor Co. Ltd. 2,713,245, Cl. 60—39.51.
- Weaving, John H., and R. Weck, to The Austin Motor Co. Ltd. 2,726,307, Cl. 219—3.
- Webb, Alan A., and E. J. G. Beeson, to General Electric Co. 2,727,187, Cl. 315—58.
- Webb, Alfred W. O.: *See*—  
 Payne, Ronald J. M., and Webb. 2,715,577.
- Webb, Cecil E., to M. S. Bowne, trustee. 2,713,189, Cl. 25—105.
- Webb, Cecil E., to M. S. Bowne, as trustee. 2,716,265, Cl. 25—40.
- Webb, Edmond F., to The Delman Co. 2,703,127, Cl. 150—1.
- Webb, Edmond F., and A. M. Hansen, to Chrysler Corp. Re. 24,081, Cl. 210—169.
- Webb, Edmond F., and A. M. Hansen, to Chrysler Corp. 2,711,828, Cl. 210—169.
- Webb, Herbert J., and R. H. Williams. 2,703,755, Cl. 95—5.
- Webb, Irving F., to The Singer Mfg. Co. 2,727,754, Cl. 280—79.2.
- Webb, James L., ¼ to C. F. Sullivan and ¼ to J. O. Thompson. 2,704,478, Cl. 81—159.
- Webb, Jervis B., Co.: *See*—  
 Boehm, Walter G. 2,708,501.
- Webb, John S., and H. G. Arlt, Jr., to American Cyanamid Co. 2,705,714, Cl. 260—250.
- Webb, John S., and A. S. Tomcufoik, to American Cyanamid Co. 2,714,110, Cl. 260—308.
- Webb & Knapp, Inc.: *See*—  
 Zeckendorf, William, and McPhee. 2,704,609.  
 Zeckendorf, William, and Pei. 2,698,973.
- Webb, Larry E., and J. M. Neal. 2,719,298, Cl. 1—50.
- Webb, Malcolm T., to The Regents of the University of California. 2,726,102, Cl. 285—25.
- Webb, Nelly E. 2,719,568, Cl. 155—24.
- Webb, Robert R., and C. J. Nardon, to Charles R. Hadley Co. 2,720,263, Cl. 164—112.
- Webb, Robert T. 2,711,488, Cl. 307—103.
- Webb, Thomas B., to The Babcock & Wilcox Co. 2,710,443, Cl. 29—157.4.
- Webb, Wells A. 2,712,698, Cl. 34—9.
- Webber, Carl L.: *See*—  
 Caps, Arthur W., and Webber. 2,705,907.
- Webber, Charles R., and V. R. Erickson, to Powder-Power Tool Corp. 2,722,004, Cl. 1—60.
- Webber, George M., ½ to A. Parkhurst. 2,726,664, Cl. 131—236.
- Webber, Jack C. 2,719,768, Cl. 309—33.
- Webber, Robert C. 2,709,340, Cl. 62—3.
- Webber, Robert C. 2,718,762, Cl. 62—3.
- Webber, Stanley E., to General Electric Co. 2,715,697, Cl. 315—39.
- Webber, Thomas G., to E. I. du Pont de Nemours & Co. 2,727,825, Cl. 106—22.
- Webber, William D. 2,719,359, Cl. 33—1.
- Weber, Arthur J.: *See*—  
 Baker, John M., and Weber. 2,708,802.
- Weber, Clarence R. 2,726,591, Cl. 97—56.
- Weber, Ernst, and J. Ebert, to Polytechnic Institute of Brooklyn. 2,705,779, Cl. 333—81.
- Weber, Ernst, and J. Ebert, to Polytechnic Institute of Brooklyn. 2,705,780, Cl. 333—81.
- Weber, Friedrich K., to Concordia Elektrizitaets-Aktiengesellschaft. 2,713,603, Cl. 136—170.
- Weber, Gene R.: *See*—  
 Hajek, Albert, and Weber. 2,712,712.
- Weber, Harold, to Celanese Corp. of America. 2,725,596, Cl. 18—8.
- Weber, Harold, and R. H. Roughsedge, to Celanese Corp. of America. 2,707,306, Cl. 18—8.
- Weber, Henri, to Jarolux A. G. 2,706,988, Cl. 128—402.
- Weber, Henry. 2,712,344, Cl. 155—7.
- Weber, Herman G., to Atlas Labelling Machine Corp. 2,720,304, Cl. 198—31.
- Weber, Herman W., to Laclede-Christy Co. 2,699,740, Cl. 110—99.
- Weber, John L.: *See*—  
 Price, Henry. 2,718,427.
- Weber, Joseph: *See*—  
 Surmatis, Joseph D., and Weber. 2,723,278.
- Weber, Joseph A.: *See*—  
 Thomas, James R. 2,713,304.
- Weber, Joseph J. 2,706,354, Cl. 41—7.
- Weber, Karl H. 2,728,269, Cl. 90—15.1.
- Weber, Max, to Landis & Gyr, A. G. 2,705,296, Cl. 317—132.
- Weber, Milton N., ½ to H. W. Link. 2,712,408, Cl. 226—95.
- Weber, Theodore R., to American Locomotive Co. 2,708,574, Cl. 267—9.
- Weber, Victor, and W. J. Russell, to Robertshaw-Fulton Controls Co. 2,718,574, Cl. 200—140.
- Weber, Victor, and W. S. Kunzler, to Robertshaw-Fulton Controls Co. 2,727,709, Cl. 248—56.
- Weber, Walter C., to Owens-Illinois Glass Co. 2,715,751, Cl. 18—5.
- Weber, Walter H., to The Thomas & Betts Co. 2,701,351, Cl. 339—265.
- Weber, William F., and O. Hedstrom, to Armour and Co. 2,710,819, Cl. 134—23.
- Weber, William H.: *See*—  
 Lupton, Clark R., Trautman, and Weber. 2,726,974.
- Weber, William J., and C. J. Rockcastle, to Oswego Falls Corp. 2,709,513, Cl. 198—31.
- Webke, Charles. 2,705,962, Cl. 131—240.
- Webke, Charles. 2,710,704, Cl. 220—63.
- Webley, Reginald S.: *See*—  
 Cassman, Harry, Jaynes, and Webley. 2,708,788.
- Webley & Scott Ltd.: *See*—  
 Smallwood, Horace W. 2,713,227.
- Webster, Andrew P. 2,713,262, Cl. 73—167.
- Webster Electric Co.: *See*—  
 Munroe, David J. 2,721,905.  
 Shields, George B. 2,704,639.  
 Shields, George B. 2,711,104.
- Webster, Gerald M., to Esso Research and Engineering Co. 2,710,661, Cl. 181—0.5.
- Webster, Ida E. M.: *See*—  
 Webster, Samuel W. 2,725,213.
- Webster, Laura F. 2,722,061, Cl. 35—35.
- Webster, Louis E., to The Webster Research and Mfg. Co. 2,705,950, Cl. 128—106.
- Webster Mfg., Inc.: *See*—  
 Jones, Corwin S. 2,724,493.
- Webster, Maurice L.: *See*—  
 McKinney, John F., Jr., and Webster. 2,715,566.
- Webster, Paul W. 2,721,094, Cl. 292—256.69.
- Webster, Raymond C., to W. E. Anderson, Inc. 2,715,723, Cl. 340—263.
- Webster Research and Mfg. Co., The: *See*—  
 Webster, Louis E. 2,705,950.
- Webster, Robert: *See*—  
 Kagley, William H., Wylie, and Webster. 2,719,477.
- Webster, Robert H.: *See*—  
 Egger, Charles J., and Webster. 2,702,268.
- Webster, Samuel W., deceased, by I. E. M. Webster, executrix, to Emsco Mfg. Co. 2,725,213, Cl. 254—187.
- Webster, Warren, & Co.: *See*—  
 Morgan, David E. 2,700,956.
- Webster, William M., Jr., to Radio Corp. of America. 2,728,006, Cl. 313—71.
- Webster, William M., Jr., and J. R. Woolston, to Radio Corp. of America. 2,725,505, Cl. 317—235.
- Weck, Edward, & Co., Inc.: *See*—  
 Laverty, Howard J. 2,719,357.
- Weck, Herman I.: *See*—  
 Seelig, Herman S., and Weck. 2,727,055.
- Weck, Richard: *See*—  
 Weaving, John H., and Weck. 2,726,307.
- Weckbaugh, Joseph V., to Mergenthaler Linotype Co. 2,716,553 Cl. 276—2.



- Wedden, Murdock J. 2,708,324, Cl. 41—15.  
 Wedekind, Norman J.: *See*—  
 Otis, Stanley J., and Wedekind. 2,722,299.  
 Wedemeyer, Karlfried: *See*—  
 Morschel, Heinrich, and Wedemeyer. 2,726,238.  
 Wedge Protectors, Inc.: *See*—  
 Hillix, Foster F. 2,709,456.  
 Wedner, Benjamin M.: *See*—  
 Jacobson, Eugene W., Wedner, and Eckler. 2,711,833.  
 Weedman, John A., and J. G. Huddleston, to Phillips Petroleum Co. 2,700,664, Cl. 260—96.5.  
 Weeks, Charles E. 2,723,860, Cl. 275—8.  
 Weeks, John R., Jr., to Bell Telephone Laboratories, Inc. 2,712,112, Cl. 324—54.  
 Weeks, Lloyd E., to Monsanto Chemical Co. 2,715,611, Cl. 252—1.  
 Weeks, Robert L.: *See*—  
 Dudley, Richard H., and Weeks. 2,726,997.  
 Weeks, Robert L., to Esso Research and Engineering Co. 2,722,499, Cl. 196—19.  
 Weeks, Robert L., and C. L. Read, to Esso Research and Engineering Co. 2,723,941, Cl. 196—17.  
 Ween, Sidney, and E. P. Dobrin, to Weksler Thermometer Corp. 2,716,342, Cl. 73—354.  
 Weese, Harry M.: *See*—  
 Johnson, Edmund C., Burst, and Weese. 2,708,963.  
 Weggel, Erwin J. 2,702,012, Cl. 110—18.  
 Wegner, Edward F., Sr. 2,715,503, Cl. 242—84.5.  
 Wehby, Jack P. 2,725,827, Cl. 105—376.  
 Wehe, Herman G.: *See*—  
 McLean, David A., and Wehe. 2,709,663.  
 Wehmeyer, Clarence W.: *See*—  
 Armacost, Wilbur H., Mumford, Wehmeyer, and Kutschale. 2,708,981.  
 Wehmiller, Frederick W., and J. L. Herold, to Barry-Wehmiller Machinery Co. 2,716,478, Cl. 198—19.  
 Wehrli, Walter: *See*—  
 Frisch, Franz, and Wehrli. 2,714,590.  
 Grandjean, Philippe, and Wehrli. 2,721,864.  
 Kehrer, Fritz, and Wehrli. 2,710,859.  
 Neier, Reinhard, and Wehrli. 2,714,587.  
 Wehrli, Walter, and J. Benz, to Sandoz A. G. 2,722,527, Cl. 260—153.  
 Wehrmann, Ralph F., and E. W. Rebol, to the United States of America as represented by the United States Atomic Energy Commission. 2,716,229, Cl. 340—242.  
 Wehrmeister, Herbert L., to Commercial Solvents Corp. 2,698,821, Cl. 167—65.  
 Weichsel, Richard H.: *See*—  
 Bray, Theodore M., Jr., and Weichsel. 2,722,074.  
 Weide, Rudolph C., to General Motors Corp. 2,721,920, Cl. 201—69.  
 Weidel, Joseph C.: *See*—  
 Laddon, Machlin B., and Weidel. 2,702,929.  
 Weidel, Robert A.: *See*—  
 Hafner, Harold C., Brewster, and Weidel. 2,702,749.  
 Weidenhammer, James A., to International Business Machines Corp. 2,708,267, Cl. 340—174.  
 Weidlich, William A.: *See*—  
 Smith, William T., Euverard, and Weidlich. 2,727,266.  
 Weidlinger, Paul: *See*—  
 Johnson, Hugh B., McGaughan, and Weidlinger. 2,722,901.  
 Weidman, Cleon, Sr., to Animal Trap Co. of America. 2,721,690, Cl. 229—52.  
 Weidmann, Ernst: *See*—  
 Farny, Paul, and Weidmann. 2,716,972.  
 Weidner, Ralph J.: *See*—  
 Wells, Lawrence V., Weidner, and Parmater. 2,715,711.  
 Weigand, Edwin L., Co.: *See*—  
 McOrlly, Joseph. 2,724,043.  
 Weigel, Alois. 2,725,110, Cl. 180—14.5.  
 Weigham, William R., J. O. Smith, and G. M. Johnson, to Courtaulds Ltd. 2,717,742, Cl. 241—255.  
 Weightman, William A.: *See*—  
 Davis, Kenneth E., and Weightman. 2,724,158.  
 Weighton, Donald, to Pye Ltd. 2,706,219, Cl. 178—7.2.  
 Weijlard, John, to Merck & Co., Inc. 2,706,198, Cl. 260—292.  
 Weijlard, John, and M. Tishler, to Merck & Co., Inc. 2,715,634, Cl. 260—309.7.  
 Weikart, Harry L.: *See*—  
 McCarthy, Vincent J., and Weikart. 2,720,391.  
 Weikart, John, to Standard Oil Development Co. 2,700,639, Cl. 196—50.  
 Weikart, John, to Esso Research and Engineering Co. 2,710,826, Cl. 196—49.  
 Weikart, John, to Esso Research and Engineering Co. 2,716,628, Cl. 202—31.  
 Weikert, Roy J., to Joseph Lincoln Mfg. Co., Inc. 2,701,893, Cl. 18—19.  
 Weikert, Roy J., to Joseph Lincoln Mfg. Co., Inc. 2,704,846, Cl. 2—68.  
 Weil, Edward. 2,704,961, Cl. 88—51.  
 Weil, Lewis P. 2,724,213, Cl. 47—41.  
 Weil Pump Co.: *See*—  
 Finzel, Herman. 2,701,529.  
 Finzel, Herman. 2,720,841.  
 Weiler, Charles N., to General Electric Co. 2,721,093, Cl. 292—246.  
 Weiler, John L.: *See*—  
 Whitney, Vernon L., Jr., and Weiler. 2,721,456.  
 Weiler, Robert E.: *See*—  
 Gist, William B., and Weiler. 2,726,509.  
 Weiler, Stanton E. 2,707,042, Cl. 193—40.  
 Weiller, Eugene W. 2,703,940, Cl. 40—125.  
 Weiller, Paul G. 2,713,130, Cl. 317—132.  
 Weills, Jordan T.: *See*—  
 Leverett, Miles C., Ward, and Weills. 2,718,459.  
 Weimer, John H., and H. J. Rockey, Sr., to The Hubley Mfg. Co. 2,722,073, Cl. 42—57.  
 Weimer, Leland S., to The Murray Corp. of America. 2,707,535, Cl. 189—46.  
 Weimer, Paul K.: *See*—  
 Borkan, Harold, and Weimer. 2,698,874.  
 Weimer, Paul K., to Radio Corp. of America. 2,728,025, Cl. 315—21.  
 Weimer, Richard B. 2,715,017, Cl. 256—65.  
 Weimer, Robert J.: *See*—  
 Thompson, Robert E., and Weimer. 2,722,935.  
 Weimershaus, Alfred G. 2,728,067, Cl. 340—207.  
 Weimont, Joseph: *See*—  
 Marsh, Alonzo K., and Weimont. 2,728,392.  
 Weinberg, Elliott L., to Metal & Thermit Corp. 2,715,111, Cl. 260—45.4.  
 Weinberg, Lowell C. 2,724,572, Cl. 254—89.  
 Weinberg, William F., to S. Abrahams & Co., Inc. (also known as Saco Uniforms). 2,705,805, Cl. 2—93.  
 Weinberger, Edward B.: *See*—  
 Montgomery, Charles W., and Weinberger. 2,699,383.  
 Weinberger, Paul, to No-Sag Spring Co. 2,709,483, Cl. 155—179.  
 Weiner, George H. 2,727,985, Cl. 240—148.  
 Weiner, Louis I., to the United States of America as represented by the Secretary of the Army. 2,715,226, Cl. 2—79.  
 Weiner, Nathan: *See*—  
 Schlesinger, Albert, Weiner, and Gordon. 2,712,016.  
 Schlesinger, Albert, Weiner, and Gordon. 2,728,780.  
 Weiner, Sherman B., to Stromberg-Carlson Co. 2,715,162, Cl. 179—175.2.  
 Weinfurt, Edward J., to McGraw Electric Co. 2,722,891, Cl. 103—53.  
 Weinfurt, William J., to McGraw Electric Co. 2,710,320, Cl. 200—108.  
 Weingand, Richard, and U. Ostwald. 2,709,138, Cl. 99—176.  
 Weingart, Ben: *See*—  
 Gannon, Jesse. 2,702,598.  
 Weingart, Ben. 2,701,461, Cl. 68—241.  
 Weingart, Richard I. N. 2,708,406, Cl. 101—288.  
 Weingarten, Morris R., to Radio Corp. of America. 2,725,678, Cl. 49—2.  
 Weinhold, Karl. 2,698,687, Cl. 210—199.  
 Weinhold, Karl. 2,725,246, Cl. 285—77.  
 Weinmayr, Viktor, to E. I. du Pont de Nemours & Co. 2,714,614, Cl. 260—571.  
 Weinon Corp.: *See*—  
 O'Neil, John G. 2,725,000.  
 O'Neil, John G. 2,725,001.  
 Weinreich, Sol, and M. Newman. 2,699,297, Cl. 242—9.  
 Weinrich, William W., to Houdry Process Corp. 2,699,363, Cl. 302—17.  
 Weinstein, Edith K.: *See*—  
 Elliston, Edward E. 2,705,060.  
 Weintraub Laboratories, Inc.: *See*—  
 Weintraub, Philip. 2,725,230.  
 Weintraub, Nelson, to International Telephone and Telegraph Corp. 2,717,992, Cl. 340—253.  
 Weintraub, Philip, to Weintraub Laboratories, Inc. 2,725,230, Cl. 272—10.  
 Weir, Mem C.: *See*—  
 Johnson, Erick. 2,714,154.  
 Johnson, Erick. 2,714,155.  
 Weir, Stanley M. 2,724,923, Cl. 45—61.  
 Weis, Louis J. 2,709,049, Cl. 242—55.5.  
 Weisbart, Melvin S. 2,714,997, Cl. 242—119.  
 Weisbaum, Harry J.: *See*—  
 Weisbaum, Jack and H. J. 2,711,540.  
 Weisbaum, Jack and H. J. 2,711,540, Cl. 2—145.  
 Weisbecker, Frank G. 2,716,464, Cl. 183—36.  
 Weisberg-Baer Co.: *See*—  
 Herts, John H. B. 2,719,809.  
 Weisberg, Harry, to Londat Aetz Fabric Co. 2,724,632, Cl. 8—116.2.  
 Weisberg, Sidney M., to Allied Electric Products, Inc. 2,711,011, Cl. 29—206.  
 Weisberg, Sidney M., to Allied Electric Products, Inc. 2,711,521, Cl. 339—103.  
 Weisberger, Herman, and W. J. Oestreich, to Electronic Devices, Inc. 2,721,946, Cl. 307—43.  
 Weisbrod, Samuel. 2,727,983, Cl. 240—108.  
 Weisz, Paul B., to Socony Mobil Oil Co., Inc. 2,718,305, Cl. 209—172.  
 Weise, Reginald V. 2,705,125, Cl. 254—76.  
 Weisemann, Gert H.: *See*—  
 Russum, Leonard W., Hatch, and Weisemann. 2,728,753.  
 Weisemann, Gert H., to Standard Oil Co. 2,728,755, Cl. 260—94.9.  
 Weisenbach, Charles O., to Bendix Aviation Corp. 2,713,869, Cl. 137—58.  
 Weiser, Franklin S., to Scovill Mfg. Co. 2,702,766, Cl. 134—15.  
 Weiser, George L.: *See*—  
 Nichols, Charles A., and Weiser. 2,699,080.  
 Weisgerber, Cyrus A., to Hercules Powder Co. 2,702,822, Cl. 260—561.  
 Weisgerber, Cyrus A., to Hercules Powder Co. 2,721,140, Cl. 92—3.



- Weisgerber, George A.: *See*—  
Dyer, Elizabeth, and Weisgerber. 2,698,840.
- Weissglass, Carl P.: *See*—  
Hopfinger, Otto and L. L., and Weissglass. 2,700,975.
- Weissglass, Louis L.: *See*—  
Hopfinger, Otto and L. L., and Weissglass. 2,700,975.
- Weishaar, Emrich A. 2,724,516, Cl. 214—42.
- Weishheimer, Carl H. 2,701,680, Cl. 229—62.
- Weisheit, Georg,  $\frac{1}{2}$  to Pollopos Patents Ltd. 2,711,650, Cl. 73—362.
- Weiskopf, Edwin C., to Technicon International, Ltd. 2,699,370, Cl. 312—346.
- Weiskopf, Edwin C., to Technicon International, Ltd. 2,718,582, Cl. 219—21.
- Weisler, Alfred L. 2,720,330, Cl. 215—63.
- Weisman, Sam, and J. Fine, to Flood Control Valve Co. 2,725,112, Cl. 182—17.
- Weiss, Alexander C. 2,711,786, Cl. 155—191.
- Weiss, Alexander C. 2,713,016, Cl. 154—122.
- Weiss, Alexander C. H. 2,721,084, Cl. 280—11,37.
- Weiss, Arthur J., to Robert Gair Co., Inc. 2,703,189, Cl. 220—114.
- Weiss, Edwin,  $\frac{1}{3}$  to I. F. Roberson, and  $\frac{1}{3}$  to B. B. West. 2,723,643, Cl. 116—133.
- Weiss Geophysical Corp.: *See*—  
Weiss, Oscar. 2,718,928.  
Weiss, Oscar. 2,718,929.
- Weiss, Henry J.: *See*—  
Morrissey, Richard T., and Weiss. 2,700,997.
- Weiss, Leon H., to Hughes Aircraft Co. 2,708,718, Cl. 250—27.
- Weiss, Maria, 50% to R. Weiss. 2,703,215, Cl. 248—210.
- Weiss, Oscar, to No-Sag Spring Co. 2,700,409, Cl. 153—54.
- Weiss, Oscar, to Weiss Geophysical Corp. 2,718,928, Cl. 181—5.
- Weiss, Oscar, to Weiss Geophysical Corp. 2,718,929, Cl. 181—5.
- Weiss, Paul: *See*—  
Pereira, Humberto. 2,724,396.
- Weiss, Paul, to Vereinigte Aluminiumwerke, Aktiengesellschaft. 2,715,063, Cl. 75—68.
- Weiss, Richard, to Franke & Heidecke, Fabrik Photographischer Präzisions-Apparate. 2,728,282, Cl. 95—31.
- Weiss, Robert S., to Finney Mfg. Co. 2,726,390, Cl. 343—803.
- Weiss, Rose A. 2,704,256, Cl. 99—78.
- Weiss, Rudolf: *See*—  
Weiss, Maria. 2,703,215.
- Weiss, Shirley L. 2,699,521, Cl. 317—235.
- Weiss, Stanley J.: *See*—  
Stewart, Richard C., and Weiss. 2,713,791.
- Weiss, Walter J., to The Texas Co. 2,717,875, Cl. 252—8.5.
- Weissberg, Stanley K., to the United States of America as represented by the Secretary of the Air Force. 2,704,938, Cl. 74—5.4.
- Weissberger, Arnold: *See*—  
Bent, Richard L., and Weissberger. 2,704,713.  
Graham, Bruce, Vittum, and Weissberger. 2,725,292.  
Loria, Anthony, Thirtle, and Weissberger. 2,728,659.  
McCrosen, Fred C., Vittum, and Weissberger. 2,728,658.  
Salminen, Ilmari F., and Weissberger. 2,710,803.  
Salminen, Ilmari F., and Weissberger. 2,728,660.  
Thirtle, John R., Salminen, and Weissberger. 2,728,661.
- Weissenberg, Gustav, R. Schulze, and F. Schlögl, to Ernst Leitz, G. m. b. H. 2,713,635, Cl. 250—27.
- Weissenberg, Gustav, H. Bredow, and N. Meinert, to Ernst Leitz, G. m. b. H. 2,723,203, Cl. 106—47.
- Weissenhorn, Adolf, to Koppers Co., Inc. 2,710,281, Cl. 202—141.
- Weissenstein, Joseph: *See*—  
Patterson, William J., and Weissenstein. 2,712,671.
- Weissheimer, Herbert, and R. Roseu, to Siemens-Schuckertwerke Aktiengesellschaft. 2,707,738, Cl. 200—138.
- Weissig, Günther: *See*—  
Lammerz, Ernst, and Weissig. 2,706,952.
- Weissman, Lorant I., to Forest City Material Co. Re. 23,931, Cl. 20—12.
- Weissman, Samuel I.: *See*—  
Lipkin, David, and Weissman. 2,719,777.
- Weisz, Thomas: *See*—  
Merancy, Arthur E., and Weisz. 2,703,579.
- Weitkamp, Alfred W., to Standard Oil Co. 2,727,025, Cl. 260—96.5.
- Weitkamp, Alfred W., and W. S. Higley, to Standard Oil Co. 2,726,212, Cl. 252—73.
- Weitz, Otto, to Firma A. J. Tröster. 2,717,105, Cl. 222—283.
- Weitz, Sidney: *See*—  
Acker, Morris and H., Weitz, and Meistrich. 2,709,209.
- Weitzman, Milton J.: *See*—  
Arak, Henry M., and Weitzman. 2,699,488.
- Weka A.-G.: *See*—  
Tobler, Ernst. 2,703,035.
- Weksler Thermometer Corp.: *See*—  
Ween, Sidney, and Dobrin. 2,716,342.
- Welblund, Albert G., to The International Nickel Co., Inc. 2,698,978, Cl. 22—200.1.
- Welborn, Arthur A., and R. L. Treuthart. 2,712,427, Cl. 251—61.
- Welch, Arthur E., to Raytheon Mfg. Co. 2,714,070, Cl. 99—221.
- Welch, Clinton M. Re. 24,064, Cl. 60—53.
- Welch, David F.: *See*—  
Appel, Frank H., Acker, and Welch. 2,699,890.
- Welch, Douglas F., A. Grieve, J. M. Hiron, and J. H. Pollard, to The British Thomson-Houston Co. Ltd. 2,701,831, Cl. 200—145.
- Welch, Eileen A.: *See*—  
Kuhrt, Noel H., and Welch. 2,727,913.
- Welch, Elaine B. 2,725,885, Cl. 132—46.
- Welch, Frank R. 2,699,614, Cl. 37—16.
- Welch, Joseph C. 2,723,048, Cl. 220—81.
- Welch, Joseph P.: *See*—  
Phelps, Clyde H. 2,721,474.
- Welch, Lester M.: *See*—  
Nelson, Joseph F., McKay, Welch, and Koenecke. 2,701,780.
- Welch, Nicholas A., to The American Hardware Corp. 2,700,886, Cl. 70—216.
- Welch, W. M., Mfg. Co.: *See*—  
Batina, Jerome R. 2,715,993.
- Welcher, Richard P.: *See*—  
Kropa, Edward L., and Welcher. 2,703,792.
- Welcker, Clyde J., to Butler Engineering Co., Inc. 2,700,647, Cl. 204—149.
- Welden, William A., to Revere Copper and Brass Inc. 2,715,911, Cl. 137—527.8.
- Welding Engineers, Inc.: *See*—  
Fuller, Lawrence J. Re. 23,948.
- Welding Research, Inc.: *See*—  
Sciaky, David. 2,721,922.  
Sciaky, David. 2,728,046.
- Welfel, Frank A. 2,700,994, Cl. 146—13.
- Welker, Heinrich, to Societe Anonyme dite: Compagnie des Freins et Signaux Westinghouse. 2,704,708, Cl. 75—134.
- Welker, Nels C. 2,701,083, Cl. 223—89.
- Welker, Oscar L., to Barber-Colman Co. 2,724,074, Cl. 317—147.
- Well Reconnaissance, Inc.: *See*—  
Mayer, Robert, Jr. 2,709,637.
- Well Surveys, Inc.: *See*—  
Bergan, Reuben A. 2,711,084.  
Fearon, Robert E., and Thayer. 2,712,081.  
Youmans, Arthur H. 2,705,289.
- Wellauer, Edward J., to The Falk Corp. 2,723,015, Cl. 192—88.
- Wellcome, Florence K.: *See*—  
Wellcome, Hubert E. 2,709,553.
- Wellcome, Hubert E., to F. K. Wellcome. 2,709,553, Cl. 242—54.
- Weller, Albert K. 2,726,712, Cl. 155—124.
- Weller, Carl E., to Weller Mfg. Co., Inc. 2,699,195, Cl. 153—64.
- Weller, Earl H., to L. M. Strunk. 2,708,596, Cl. 299—30.
- Weller, Earl H., to L. M. Strunk. 2,719,754, Cl. 299—97.
- Weller, Edward F., Jr.: *See*—  
Sargeant, Walter E., and Weller. 2,701,335.
- Weller, Harvey C., and C. C. Sykes, to Surface Combustion Corp. 2,711,616, Cl. 49—47.
- Weller, John, deceased; J. Weller, administratrix. 2,703,593, Cl. 143—133.
- Weller Mfg. Co., Inc.: *See*—  
Weller, Carl E. 2,699,195.
- Weller, Vivian: *See*—  
Weller, John. 2,703,593.
- Wellington, Harold S., to Canadian General Electric Co., Ltd. 2,722,668, Cl. 339—69.
- Wellington, Roger D., and H. H. Black, to General Motors Corp. 2,708,919, Cl. 123—119.
- Wellisch, Eric, to Olin Mathieson Chemical Corp. 2,728,688, Cl. 117—76.
- Wellman, Homer B.: *See*—  
Sieg, Robert P., and Wellman. 2,706,741.
- Wellman, John W.: *See*—  
Caldwell, John R., and Wellman. 2,720,504.  
Caldwell, John R., and Wellman. 2,720,505.  
Caldwell, John R., and Wellman. 2,727,881.
- Wellman, John W., to Eastman Kodak Co. 2,720,503, Cl. 260—75.
- Wellman, Richard H.: *See*—  
Whaley, Fred R., Smith, and Wellman. 2,699,419.
- Wellman, Robert H., to General Motors Corp. 2,724,378, Cl. 123—198.
- Wellman Smith Owen Engineering Corp. Ltd., The: *See*—  
Taylor, Sidney W. 2,714,966.  
Taylor, Sidney W. 2,720,800.
- Wellmar, Sven, to AB Svenska Flaktfabriken. 2,711,591, Cl. 34—18.
- Wellons, Richard S., and A. S. Russell, to W. R. Grace & Co. 2,726,707, Cl. 154—42.
- Wells, Arthur J.: *See*—  
Storrs, William H., and Wells. 2,712,987.
- Wells, Carl L.: *See*—  
Giles, Melvin L., and Wells. 2,712,434.
- Wells, Edward M., to Marconi's Wireless Telegraph Co. Ltd. 2,728,912, Cl. 343—754.
- Wells, Frank H., to National Research Development Corp. 2,701,303, Cl. 250—27.
- Wells, Frank R.: *See*—  
Regenhardt, Hans W., and Wells. 2,702,553.
- Wells, Franklin H., to Aircraft-Marine Products Inc. 2,704,358, Cl. 339—223.
- Wells, Geoffrey W.: *See*—  
Reeve, Lewis, and Wells. 2,723,902.
- Wells, Greek, to The Kendall Corp. 2,711,637, Cl. 65—54.
- Wells, Harland D. 2,719,529, Cl. 134—144.
- Wells, Harold R. 2,706,174, Cl. 204—212.



- Wells, Harold R., and F. P. Gill. 2,706,173, Cl. 204—212.  
Wells, Herbert A., to Bell Telephone Laboratories, Inc. 2,700,808, Cl. 24—136.  
Wells, Joshua R.: *See—*  
Wells, Ralph V. and J. R. 2,722,911.  
Wells, Lawrence V., R. J. Weidner, and L. W. Parmater, to Allen Electric Equipment Co. 2,715,711, Cl. 324—16.  
Wells, Norman S., to The English Electric Co. Ltd. 2,709,774, Cl. 318—144.  
Wells, Paul D. 2,727,707, Cl. 248—42.  
Wells, Ralph V. and J. R. 2,722,911, Cl. 119—98.  
Wells, Roger, to The Diamond Match Co. 2,725,992, Cl. 214—7.  
Wells, Ronald A.: *See—*  
Arden, Thomas V., Burstall, Linstead, and Wells. 2,728,633.  
Wells, William J., to F. N. Burt Co., Inc. 2,706,066, Cl. 221—92.  
Wells, Willis L., to American Machine and Foundry Co. 2,707,636, Cl. 273—43.  
Wells, Willis L. 2,717,533, Cl. 89—1.5.  
Wells, Yelverton P. 2,711,476, Cl. 240—108.  
Wellsch, Henry. 2,710,570, Cl. 97—54.  
Welp, Herman T., to Chicago Malleable Castings Co. 2,722,291, Cl. 188—223.1.  
Welsbach Corp., The: *See—*  
Hann, Victor A., and Niegowski. 2,703,312.  
Welsch, Hans: *See—*  
Meyer-Jagenberg, Gunther, Drese, and Welsch. 2,699,712.  
Welsch, Joseph R. 2,704,890, Cl. 33—125.  
Welsh, Harold H.: *See—*  
Besaw, George A., and Welsh. 2,700,291.  
Welsh, Harvey W.: *See—*  
Clark, Donald B., and Welsh. 2,705,863.  
Welsh, Herbert F., E. D. Schreiner, L. R. Mock, and J. P. Eckert, Jr., to Remington Rand Inc. 2,708,554, Cl. 242—75.  
Welsh, James W., to Signal-Stat Corp. 2,706,226, Cl. 200—122.  
Welsh, James W., to Signal-Stat Corp. 2,706,227, Cl. 200—122.  
Welsh, James W., to Signal-Stat Corp. 2,706,228, Cl. 200—122.  
Welsh, James W., to Signal-Stat Corp. 2,708,697, Cl. 200—122.  
Welsh, James W., to Signal-Stat Corp. 2,712,044, Cl. 200—122.  
Welsh, James W., to Signal-Stat Corp. 2,712,045, Cl. 200—122.  
Welsh, Jay Y., to Olin Mathieson Chemical Corp. 2,716,078, Cl. 136—139.  
Welsh, Matilda D. 2,712,451, Cl. 280—47.4.  
Welsh, Matilda D. 2,717,803, Cl. 296—110.  
Welsh, Matilda D. 2,718,407, Cl. 280—47.36.  
Welsh, Matilda D. 2,723,709, Cl. 155—11.  
Welsh, Norman W. 2,727,420, Cl. 84—220.  
Welsh, Oral S.: *See—*  
Gaddis, Hugh L., Myers, and Welsh. 2,726,681.  
Welsh, Ormonde P., to Parten Machinery Co. 2,702,190, Cl. 271—87.  
Welsh, Ormonde P., to Parten Machinery Co. 2,709,081, Cl. 271—2.  
Welter, Jeff R. 2,725,946, Cl. 180—19.  
Weltmer, Wilton W., to Allis-Chalmers Mfg. Co. Re. 24,019, Cl. 285—211.  
Weltronic Co.: *See—*  
Collom, Cletus J. 2,710,326.  
Thomsen, Theodore R. 2,700,301.  
Welty, Frank and R. D., to Carbonic Dispenser, Inc. 2,702,051, Cl. 137—628.  
Welty, Raymond D.: *See—*  
Welty, Frank and R. D. 2,702,051.  
Welz, Harry, to Farbenfabriken Bayer Aktiengesellschaft. 2,721,219, Cl. 260—566.  
Welz, Harry, and A. Giltges, to Farbenfabriken Bayer Aktiengesellschaft. 2,721,880, Cl. 260—566.  
Wenberg, Herbert B.: *See—*  
Fowler, Henry J., and Wenberg. 2,724,363.  
Wendeborn, Helmut, and W. Zimmermann, to Metallgesellschaft Aktiengesellschaft. 2,718,070, Cl. 34—238.  
Wendel, Franz O.: *See—*  
Tenoort, Karl H., and Wendel. 2,715,498.  
Wendel, Lorenz A., to The Singer Mfg. Co. 2,721,279, Cl. 310—76.  
Wendel, Lorenz A., to The Singer Mfg. Co. 2,724,470, Cl. 192—18.  
Wendel, Roland J. 2,716,244, Cl. 4—239.  
Wendelken, Diedrich. 2,727,415, Cl. 81—3.46.  
Wendell, David. 2,704,369, Cl. 2—337.  
Wendell Mfg. Co.: *See—*  
Benkowski, Joseph R. 2,721,347.  
Wender, Simon H., and C. H. Ice, to the United States of America as represented by the United States Atomic Energy Commission. 2,727,890, Cl. 260—210.  
Wendler, Norman L.: *See—*  
Graber, Robert P., and Wendler. 2,728,783.  
Hirschmann, Ralph F., Wendler, and Ruyle. 2,716,125.  
Wendon Office Equipment Mfg. Co., Inc.: *See—*  
Harrell, Russell L. 2,713,528.  
Wendt, Arthur S., to Fred Fear & Co. 2,719,091, Cl. 106—239.  
Wendt, Frederick C., to Royal McBee Corp. 2,728,441, Cl. 197—189.  
Wendt, Robert H.: *See—*  
Berg, Elaine. 2,721,459.  
Wendt, Robert H. 2,705,378, Cl. 37—80.  
Wendt, Robert H. 2,707,102, Cl. 272—1.  
Wendt, Robert H. 2,711,153, Cl. 116—114.  
Wenger, Edward C. 2,702,182, Cl. 256—48.  
Wenger, Herman L. 2,702,031, Cl. 128—78.  
Wenger, Richard B. 2,722,139, Cl. 74—711.  
Wenk, Fred A., and D. W. Hamm, to Muskegon Piston Ring Co. 2,716,272, Cl. 29—224.  
Wenk, Henry L. C., Jr., to American Casting & Mfg. Corp. 2,707,647, Cl. 292—325.  
Wenk, Howard A., to Bell Telephone Laboratories, Inc. 2,699,529, Cl. 324—68.  
Wenner, Wilhelm: *See—*  
Plati, John T., and Wenner. 2,698,846.  
Wennerbo, Erik, and F. A. Svensson, to Industriaktiebolaget Luxor. 2,722,426, Cl. 274—15.  
Wennerstrom, Carl G.: *See—*  
Crichton, Andrew B., Jr., and Wennerstrom. 2,713,799.  
Wennes, George P., Jr.: *See—*  
Hose, Alfred G., Wennes, and Salter. 2,718,791.  
Southam, Earl A., Davis, and Wennes. 2,711,469.  
Wensel, Theodor, Jr., to The Rudolph Wurlitzer Co. 2,719,892, Cl. 200—104.  
Wenstrom, Delwyn. 2,713,411, Cl. 198—122.  
Went, Alexander J.: *See—*  
Gibson, John E., and Went. 2,717,770.  
Wente, Adolf F. C., to Daimler-Benz Aktiengesellschaft. 2,722,204, Cl. 123—90.  
Wentz, Edward A., to Specialties Development Corp. 2,714,494, Cl. 242—155.  
Wentz, Jere L.: *See—*  
Cushman, Walton W., and Wentz. 2,708,023.  
Wentz, Marshall H.: *See—*  
Marshall, Don J. 2,728,383.  
Wentz, Robert J., to The Murray Corp. of America. 2,722,229, Cl. 137—216.  
Wenzel, Alvin J., to Reliance Mfg. Co. 2,702,387, Cl. 2—97.  
Wenzel, Hans H., to The Oscar C. Rixson Co. 2,703,906, Cl. 16—55.  
Wenzelberger, Elwood P., to The Commonwealth Engineering Co. of Ohio. 2,723,539, Cl. 62—124.  
Weppler, Goldwin A. 2,716,484, Cl. 206—38.  
Werenfels, Peter H., to Radio Corp. of America. 2,709,717, Cl. 178—69.5.  
Werkheiser, Robert L., to Monsanto Chemical Co. 2,726,226, Cl. 260—45.5.  
Werkhoven, Harry, 1/2 to J. P. Werkhoven. 2,725,262, Cl. 304—24.  
Werkhoven, John P.: *See—*  
Werkhoven, Harry. 2,725,262.  
Werking, Leroy C., to Union Carbide and Carbon Corp. 2,709,659, Cl. 106—56.  
Wernentin, Fred C.: *See—*  
Jester, Robert L., and Wernentin. 2,703,967.  
Werner, Albert. 2,700,843, Cl. 43—44.82.  
Werner, Arnold J.: *See—*  
Wagner, Adolph A., and Werner. 2,711,551.  
Wagner, Adolph A., and Werner. 2,722,324.  
Werner, Arnold J., and A. A. Wagner, to Wagner Iron Works. 2,711,597, Cl. 37—42.  
Werner, Arthur M. 2,714,650, Cl. 219—25.  
Werner, Calvin J., to General Motors Corp. 2,708,373, Cl. 74—242.8.  
Werner, Calvin J., to General Motors Corp. 2,725,233, Cl. 273—106.5.  
Werner, Carlton P., to Signal Engineering & Mfg. Co. 2,708,245, Cl. 310—30.  
Werner, Frank R., to The National Cash Register Co. 2,708,498, Cl. 192—125.  
Werner, Frank R., W. G. Sterzer, and L. E. Zurbuchen, to The National Cash Register Co. 2,710,576, Cl. 101—93.  
Werner, Frank R., and W. G. Sterzer, to The National Cash Register Co. 2,722,887, Cl. 101—288.  
Werner, Lincoln H., and C. R. Scholz, to Ciba Pharmaceutical Products, Inc. 2,705,716, Cl. 260—270.  
Werner & Pfeiderer: *See—*  
Heuwing, Gerhard. 2,719,495.  
Werner, Robert V., to General Dynamics Corp. 2,725,528, Cl. 324—89.  
Wernli, Max, to Georg Fischer Aktiengesellschaft. 2,716,905, Cl. 74—665.  
Wernlund, Christian J., to E. I. du Pont de Nemours and Co. 2,701,234, Cl. 204—52.  
Werntz, James H., to E. I. du Pont de Nemours and Co. 2,722,481, Cl. 75—120.  
Wersits, Alexander: *See—*  
MacLeod, Norman L., Krieg, Keeler, Wersits, and Somers. 2,702,684.  
Werstein, Frank A. 2,704,360, Cl. 340—56.  
Werth, William W., and W. E. McFarland, to Whitin Machine Works. 2,728,111, Cl. 19—134.  
Wescott, George A., Jr., and W. L. Geiger, to Tronics, Inc. 2,704,339, Cl. 317—146.  
Wesley, Leslie N.: *See—*  
Madge, Evelyn W., Purkis, Ward, and Wesley. 2,707,305.  
Wesling, Albert H., to Albert Wesling and Sons, Inc. 2,702,647, Cl. 217—18.  
Wesling, Albert, and Sons, Inc.: *See—*  
Wesling, Albert H. 2,702,647.  
Wesp, George L.: *See—*  
Slocombe, Robert J., and Wesp. 2,719,140.



- Wessel, Bernhard, to Rutgerswerke - Aktiengesellschaft. 2,728,474, Cl. 214—501.
- Wessels, Herman. 2,720,739, Cl. 55—20.
- Wesson, Joseph P.: *See—*  
Stewart, Iain M., and Wesson. 2,701,422.
- Wesson Multicut Co.: *See—*  
Bader, William. 2,716,799.  
Bader, William. 2,716,800.
- West, Brennan B.: *See—*  
Weiss, Edwin, Roberson, and West. 2,723,643.
- West Co., Inc.: *See—*  
Glensky, William E. 2,705,085.
- West, Edward E. 2,727,477, Cl. 112—2.
- West, Edward S.: *See—*  
Van Bruggen, John T., and West. 2,709,671.
- West, Essie B. 2,713,327, Cl. 119—125.
- West, Everett J., and W. A. Black, to General Time Corp. 2,713,458, Cl. 235—61.
- West, Francis, Jr., to Sperry Rand Corp. 2,719,502, Cl. 114—144.
- West, Howard F., and J. H. Veale, to Illinois Clay Products Co. 2,711,951, Cl. 75—3.
- West, Howard F., and J. H. Veale, to Illinois Clay Products Co. 2,711,952, Cl. 75—33.
- West, Howard F., and J. H. Veale, to The Illinois Clay Products Co. 2,711,954, Cl. 75—54.
- West, James L.: *See—*  
Hayes, Monson H., and West. 2,724,108.
- West, James P., to Universal Oil Products Co. 2,716,128, Cl. 260—448.2.
- West, James R.: *See—*  
Skromme, Lawrence H., and West. 2,712,388.
- West, James R., to The New Holland Machine Division of The Sperry Corp. 2,711,836, Cl. 214—82.
- West, James R., to The New Holland Machine Division of The Sperry Corp. 2,712,412, Cl. 230—134.
- West, James R., to The Sperry Corp. 2,713,240, Cl. 56—98.
- West, James R., to The Sperry Corp. 2,713,241, Cl. 56—400.
- West, John C., to National Research Development Corp. 2,719,940, Cl. 318—30.
- West, John C., and O. Christensen, to Protex Weatherstrip Mfg. Co. 2,705,350, Cl. 20—56.1.
- West, Judson, Jr., and C. E. Van Hoy, to The Magnavox Co. 2,723,301, Cl. 136—107.
- West Laboratories, Inc.: *See—*  
Shelanski, Morris V., and Winicov. 2,710,277.
- West, Ralph L., to The Decca Record Co. Ltd. 2,722,990, Cl. 181—31.
- West, Victor E., to Standard Railway Equipment Mfg. Co. 2,705,549, Cl. 189—34.
- West, Vivian J., and F. C. Stockham, to The Wolverhampton Die-Casting Co., Ltd. 2,704,388, Cl. 22—57.
- West Bend Aluminum Co.: *See—*  
Kircher, Ralph N. 2,708,923.  
Kircher, Ralph N. 2,719,212.  
Quick, Paul F. 2,713,336.
- Westberg, Alvar T., to Sandvikens Jernverks Aktiebolag. 2,716,284, Cl. 33—149.
- Westberg, Oscar E. 2,720,633, Cl. 339—75.
- Westberg, Vernon C., and J. H. Nilson, to Sun Electric Corp. 2,710,907, Cl. 219—39.
- Westby, Thor H. 2,706,161, Cl. 117—52.
- Westchester Hardware, Inc.: *See—*  
Holritz, Edward W. 2,721,751.
- West Coast Aero Tool Co.: *See—*  
Yungman, Elroy W. 2,725,639.
- Wester, Jordan L.: *See—*  
Hollingsworth, Clinton A., and Wester. 2,724,501.
- Westerberg, Carl G. 2,719,104, Cl. 167—88.
- Westerfield, Everett C., to the United States of America as represented by the Secretary of the Navy. 2,711,494, Cl. 315—29.
- Westerman, William J. B. 2,703,698, Cl. 255—306.
- Westermeyer, Charles H., to Western Electric Co., Inc. 2,718,321, Cl. 214—658.
- Western Condensing Co.: *See—*  
Peebles, David D., and Clary. 2,710,808.
- Western Electric Co., Inc.: *See—*  
Ames, William L. 2,700,448.  
Ames, William L. 2,701,470.  
Ames, William L. 2,704,782.  
Andren, Karl H. 2,724,561.  
Andren, Karl H., and Roach. 2,708,459.  
Arnold, Howard H. 2,705,421.  
Bartelheim, Leland A., and Johnson. 2,706,331.  
Barth, Eugene I. 2,702,760.  
Birchler, Robert O., and Quinlan. 2,721,710.  
Blaisdell, Charles O., Kohr, and Snorek. 2,698,643.  
Boynton, Wentworth D. 2,701,471.  
Brescka, Rudolph S., and Pizzi. 2,712,306.  
Brown, Grant S. 2,702,410.  
Bunch, Tillman T. 2,709,051.  
Bunch, Tillman T. 2,724,809.  
Butterfield, Louis B., and Sulzer. 2,703,280.  
Chapman, Kenneth L. 2,719,917.  
Coder, Fred T., and Kutzelman. 2,716,479.  
Crane, Douglas, Griffiths, and Haggerty. 2,710,904.  
D'Angelo, Joseph. 2,705,431.  
Dumas, Edward E. 2,713,439.  
Dvorak, Howard A. 2,717,952.  
Ertner, Edward W. 2,706,092.  
Ewaldson, Waldemar C. 2,724,380.  
Flowers, Alfred A., and Mitchell. 2,719,263.  
Fralish, Howard J., and McGraw. 2,727,297.
- Western Electric Co., Inc.: *See—Continued.*  
Frank, Gerard A., and Fry. 2,715,991.  
Franz, Erwin E. 2,698,461.  
Franz, Erwin E. 2,712,916.  
Franz, Erwin E. 2,723,383.  
Gitter, George R. 2,727,310.  
Grabowy, John. 2,724,933.  
Gray, Alvin N. 2,725,355.  
Hakes, La Verne G. 2,724,691.  
Hallam, Cecil A., and Reynolds. 2,710,394.  
Hanson, Estyle D. 2,704,793.  
Hanson, Estyle D. 2,704,794.  
Hanson, Estyle D. 2,711,293.  
Hanson, Estyle D. 2,719,012.  
Harr, Russel E. 2,710,832.  
Henning, George E. 2,722,716.  
Herzog, Carl. 2,698,502.  
Hilstrom, Roland. 2,716,287.  
Holland, Gordon M. 2,698,764.  
Knoth, Richard B. 2,724,287.  
Koch, Herbert W. 2,704,791.  
Larsen, Einer W. 2,716,449.  
Larsen, Elmer J. 2,726,761.  
Lengvenis, Frank J. 2,706,765.  
MacFarlane, Donald R. 2,727,951.  
McCain, Cecil C. 2,706,512.  
McCoy, Clarence E. 2,724,484.  
Meyers, Ralph F. 2,708,715.  
Mitchell, Gerald A. 2,706,764.  
Murray, Guy E. 2,725,354.  
Nelson, Oscar G., and Wines. 2,718,320.  
Pitt, Samuel. 2,716,379.  
Pizzi, Albert L. 2,713,416.  
Purdy, Chester A. 2,724,562.  
Rayburn, Vincent A. 2,717,125.  
Rayburn, Vincent A. 2,717,127.  
Rayburn, Vincent A. 2,717,285.  
Rayburn, Vincent A. 2,717,776.  
Redlich, Ernest W. 2,704,637.  
Roach, Charles J. 2,713,194.  
Ruppert, Ladis W. 2,706,525.  
Rutherford, Albert D., Jr. 2,726,631.  
Ruttkey, Paul. 2,711,818.  
Scott, Edward C. 2,701,043.  
Simpson, Warren O., and Thompson. 2,722,356.  
Slechta, Henry C. 2,712,296.  
Soderman, George W., and Stolp. 2,705,341.  
Solecki, John E. 2,724,690.  
Souter, Donald. 2,721,904.  
Stamm, John J. 2,704,813.  
Stevens, Clarence C. 2,727,698.  
Strobel, Herman R. 2,725,352.  
Strobel, Herman R. 2,725,353.  
Swain, Irving T. 2,718,780.  
Trimble, Charles H. 2,700,407.  
Vennes, Harald J. 2,704,601.  
Westermeyer, Charles H. 2,718,321.  
Williams, Edwin K. 2,700,929.  
Wojciechowski, Bogumil M. 2,721,975.  
Wojciechowski, Bogumil M. 2,721,976.
- Western Equipment Mfg. Co.: *See—*  
Brimhall, Kirk L. 2,714,263.
- Western Machinery Corp.: *See—*  
Logue, Leland H., and Bailey. 2,700,466.
- Western Mattress Co.: *See—*  
Smith, Norris E. 2,715,391.
- Western Newell Mfg. Co.: *See—*  
Fetter, Norman C. 2,718,922.
- Western Precipitation Corp.: *See—*  
Herber, Pierre. 2,711,224.  
Hull, William F. 2,708,980.
- Western Printing & Lithographing Co.: *See—*  
Stobb, Anton R. 2,717,383.
- Western Stamping Co.: *See—*  
Thomson, James E. 2,705,553.
- Western Reserve University: *See—*  
Pillemer, Louis. 2,701,226.
- Western States Machine Co., The: *See—*  
Hertrich, Joseph. 2,704,157.  
Hertrich, Joseph. 2,707,561.  
Hertrich, Joseph. 2,708,035.  
Hertrich, Joseph. 2,727,629.  
Hertrich, Joseph. 2,727,630.
- Western Union Telegraph Co., The: *See—*  
Cannon, William D. 2,715,157.  
Deibert, Clarence R., Turner, and Snider. 2,700,701.  
Edgar, William S. W., Jr. 2,724,014.  
Jelinek, Charles, Jr. 2,718,548.  
Robbin, Daniel P., and Kline. 2,726,168.  
Turner, Frank T., Pollard, and Deibert. 2,715,202.  
Wise, Raleigh J. 2,721,231.  
Wise, Raleigh J., Ridings, and Parrott. 2,718,547.  
Zabriskie, Douglas M. 2,723,897.
- Westfalenhütte Dortmund Aktiengesellschaft: *See—*  
Hoff, Hubert, vor dem Esche, and Lessing. 2,721,134.
- Westfall Equipment Co.: *See—*  
Eller, Robert L. 2,700,232.
- Westfall, Paul. 2,712,370, Cl. 192—17.
- Westfall, William R., to Salescaster, Inc. 2,727,554, Cl. 152—370.
- Westfield Mfg. Co., The: *See—*  
Fogarty, Charles J., and Maschin. 2,715,033.
- Westin, Axel and S. 2,705,275, Cl. 219—3.



Westin, Sven: *See*—

Westin, Axel and S. 2,705,275.  
Westinger, Karl, E. Altenburger, and O. Hirt, to Olympia Werke West G. m. b. H. 2,705,106, Cl. 235—60.2.  
Westinger, Karl, E. Altenburger, and O. Hirt. 2,722,383, Cl. 235—137.

Westinghouse Air Brake Co.: *See*—

Agnew, Edward J. 2,727,138.  
Ashworth, Harry E. 2,728,880.  
Babcock, Joel R., and Cadman. 2,721,932.  
Baughman, George W. 2,718,588.  
Bent, Arthur J., and Forster. 2,718,939.  
Berkoben, Charles W. 2,718,938.  
Bone, Herbert L. 2,699,853.  
Bowman, Spencer. 2,706,624.  
Breisch, Edgar W., and Reed. 2,700,085.  
Breisch, Edgar W., and Seitz. 2,709,723.  
Brown, Robert H. 2,721,994.  
Burriss, Walter C. 2,699,972.  
Bush, Rankin K. 2,720,357.  
Cadman, Ira F. 2,712,595.  
Cook, Earle S. 2,707,134.  
Cook, Earle S. 2,720,427.  
Cook, Earle S. 2,721,768.  
Cotter, George L., and May. 2,707,133.  
Coughlin, William B. 2,715,178.  
Crooks, Ralph K. 2,721,979.  
Curry, Field. 2,715,218.  
Dickinson, Leon D. 2,721,933.  
Erson, Erik G. 2,720,428.  
Feucht, Albert. 2,704,203.  
Feucht, Jacob E. 2,700,373.  
Feucht, Jacob E. 2,701,125.  
Feucht, Jacob E. 2,703,222.  
Gerst, Chris. 2,707,056.  
Gerst, Chris. 2,707,057.  
Gerst, Chris. 2,707,059.  
Gorman, Andrew T. 2,711,933.  
Gracey, William R., Jr. 2,701,825.  
Groenendale, Henry J. 2,719,910.  
Gunning, Samuel D., and Feucht. 2,701,551.  
Hines, Claude M. 2,712,104.  
Hines, Claude M. 2,715,049.  
Hines, Claude M. 2,725,260.  
Holbrook, Edward L. 2,721,637.  
Hufnagel, Andrew. 2,710,953.  
Hufnagel, Andrew. 2,715,164.  
Jefferson, Glen V. 2,701,856.  
Kelley, Cecil S. 2,728,422.  
Kemmerer, Ralph R. 2,719,909.  
Laber, Ernest J. 2,711,932.  
May, Harry C. 2,706,995.  
McClure, Glenn T. 2,721,104.  
McClure, Glenn T., Thomas, and Erson. 2,723,884.  
McGowan, Kenneth J. J. 2,706,753.  
McMahon, James E., Jr. 2,705,280.  
Miller, Alfred B. 2,719,218.  
Newell, George K. 2,720,429.  
Newell, George K. 2,721,769.  
Sexton, Everett P. 2,715,050.  
Sexton, Everett P. 2,721,579.  
Sexton, Everett P., and Thomas. 2,699,973.  
Shepardson, Vene P. 2,721,934.  
Shields, Charles B. 2,728,851.  
Sorensen, Andrew J. 2,706,813.  
Staples, Crawford E. 2,710,951.  
Stevens, Roy R. 2,703,988.  
Stratiff, Donald F. 2,723,798.  
Taylor, Herbert L. 2,721,839.  
Thomas, Glenn M. 2,699,971.  
Thomas, Glenn M. 2,719,059.  
Whaley, Fred S. 2,714,943.  
Whitehorn, Arthur R. 2,702,851.  
Widmyer, Robert G. 2,720,355.  
Witmer, Harold G. 2,713,633.  
Zetwo, Regis H. 2,712,619.

Westinghouse Brake and Signal Co. Ltd.: *See*—

Jenkins, Alexander, and Peter. 2,721,966.  
King, Kenneth G., and Duckitt. 2,700,125.  
Peter, Leslie H., and Sheppard. 2,707,252.  
Walker, Alec H. B., and King. 2,707,262.

Westinghouse Electric Corp.: *See*—

Abell, Donald E. 2,712,108.  
Adams, Edward T., and Goodman. 2,716,714.  
Adkins, John D., and Jackson. 2,727,224.  
Allbert, Eugene F. 2,707,253.  
Alpert, Daniel. 2,727,167.  
Altar, William, and Miller. 2,707,269.  
Armstrong, George. 2,712,083.  
Arnold, David E. 2,712,063.  
Austin, Bascum O., and Lighty. 2,707,264.  
Axelrad, Irving R. 2,714,226.  
Bailey, Francis T., and Snyder. 2,725,508.  
Baker, Robert F., and Byron. 2,721,138.  
Baker, Robert M. 2,709,740.  
Barnett, Eugene J. 2,725,052.  
Barrett, Lawrence D., Jr., and Lippart. 2,724,546.  
Baudry, René A. 2,707,242.  
Baudry, René A., and Heller. 2,707,243.  
Beese, Norman C. 2,721,285.  
Bellott, Emile M. 2,723,926.  
Biehn, Gerald L. 2,716,868.  
Biehn, Gerald L. 2,716,870.  
Binstock, Martin H., and Steinherz. 2,717,223.

Westinghouse Electric Corp.: *See*—Continued.

Bock, Ashley P. 2,724,037.  
Booke, Kenneth E. 2,724,927.  
Born, William F., and Wallace. 2,725,542.  
Born, William F., and Zipay. 2,725,541.  
Boyer, John L. 2,727,936.  
Boyer, John L. 2,727,937.  
Boyer, John L., and Hagensick. 2,707,258.  
Bradley, Schuyler L. 2,712,107.  
Bradley, Schuyler L., and Bobo. 2,719,261.  
Brandt, Roger. 2,725,026.  
Brent, George D., and Bee. 2,720,855.  
Brent, George D., Campbell, and Gustin. 2,725,919.  
Brown, Myron J. 2,712,100.  
Brown, Thomas F. 2,717,339.  
Caldwell, Lewis E. 2,722,130.  
Campbell, John M. 2,725,031.  
Carlson, Raymond L., and Potonides. 2,705,595.  
Carr, John C. 2,714,287.  
Carter, John M. 2,725,556.  
Cellerini, Albert R. 2,707,218.  
Chabala, Leonard V. 2,727,958.  
Cheek, Robert C. 2,727,141.  
Childs, Gordon E. 2,703,523.  
Childs, Gordon E. 2,716,498.  
Chiles, John H., Jr., and Maslin. 2,725,502.  
Christian, Carl A., and Murcek. 2,717,351.  
Coltman, John W. 2,719,241.  
Coltman, John W. 2,727,153.  
Cunningham, Marvin H. 2,725,271.  
Cushing, George B. 2,703,828.  
Cuttino, William H. 2,705,300.  
Dailey, Hampton J. 2,719,244.  
Dailey, Hampton J., and Scullin. 2,727,177.  
Dailey, Hampton J., and Scullin. 2,727,178.  
Dailey, Hampton J., and Wroughton. 2,720,997.  
Derr, Willard A., and Cham. 2,728,043.  
Ditzler, John L. 2,721,622.  
Dixon, Robert R., and Baldwin. 2,727,831.  
Dunnet, Wallace J. 2,725,549.  
Eames, William F. 2,699,227.  
Eames, William F. 2,709,503.  
Eames, William F. 2,718,935.  
Eber, Mortimer. 2,699,143.  
Edwards, Andrew W. 2,705,295.  
Edwards, Andrew W., and Ogg. 2,701,828.  
Erickson, John W. 2,708,564.  
Esselman, Walter H., and Lund. 2,722,647.  
Evans, William G., and Horton. 2,709,776.  
Faust, John W., Jr., and Wynne. 2,705,192.  
Feeley, Albert G. 2,708,732.  
Fennell, Frank C., and Erbe. 2,703,858.  
Fickett, Walter A., and Land. 2,727,101.  
Fields, Arnold C., and Warburton. 2,725,437.  
Finney, Horace R. 2,702,862.  
Fisher, Martin H., and Campbell. 2,709,772.  
Ford, James G. 2,718,709.  
Ford, James G., and Denault. 2,717,219.  
Frank, Stanley L. 2,722,573.  
Freeman, George A. 2,718,771.  
Frink, Russell E., and Olsson. 2,717,292.  
Frisch, Erling. 2,727,714.  
Fromm, Kenneth N. 2,707,238.  
Fromm, Kenneth N. 2,727,146.  
Gainer, Gordon C. 2,709,692.  
Geiselman, Ralph A., and Cham. 2,700,113.  
Gelzheiser, Francis L. 2,703,827.  
Gelzheiser, Francis L., and Dobrosielski. 2,719,203.  
Glasser, Sidney P., and Johnson. 2,718,439.  
Goldman, Ernest A. 2,719,098.  
Goldsmith, Alan S. 2,709,748.  
Good, Paul F. 2,714,647.  
Green, James H., and Lopenski. 2,716,620.  
Greer, Thomas M. 2,725,507.  
Grimmer, Elmer J. 2,725,538.  
Griscom, Samuel B. 2,707,241.  
Guentner, Robert L., and Jenny. 2,727,156.  
Gustin, Daniel S. 2,709,644.  
Hagopian, Richard H. 2,701,842.  
Hagopian, Richard H. 2,727,212.  
Haller, Clayton L. 2,725,453.  
Hamilton, Thomas. 2,703,552.  
Harder, Edwin L. 2,701,860.  
Hardigg, George W. 2,724,544.  
Harrison, John W. 2,714,644.  
Harrison, John W. 2,719,895.  
Hartwig, Edward C. 2,725,472.  
Hartwig, Edward C., and Van Ness. 2,728,031.  
Hayden, Vernon H., and Leonard. 2,717,275.  
Heidbreder, John G. 2,714,675.  
Heine, Thomas H., and Meister. 2,724,070.  
Helmick, Charles G., Jr., and Campbell. 2,727,694.  
Henning, Frederick W. 2,711,070.  
Hibbard, Lloyd J. 2,709,758.  
Hibbard, Lloyd J. 2,714,671.  
Hibbard, Lloyd J. 2,722,572.  
Hollandbeck, Raymond F. 2,727,139.  
Hoover, Dillon B. 2,707,240.  
Horton, William F. 2,725,515.  
Hughes, Arthur V. 2,706,957.  
Hunt, William T., Jr. 2,722,642.  
Hunt, William T., Jr., and Storey. 2,728,040.  
Hyde, Merritt A., and Houck. 2,725,552.  
Immel, Ralph B., and Gugli. 2,722,649.



Westinghouse Electric Corp.: *See*—Continued.

Jernstedt, George W., and Ceresa. 2,700,019.  
 Jones, Charles H. 2,724,013.  
 Jones, Charles H., and Ley. 2,717,329.  
 Jones, William C. 2,727,454.  
 Judkins, Raymond P. 2,703,861.  
 Keith, Robert H., and Mershon. 2,717,318.  
 Kelly, John C. R., Jr. 2,702,739.  
 Kenney, Joseph, Jr. 2,724,621.  
 Kilgore, Lee A., Baudry, and Heller. 2,707,244.  
 Kinn, Theodore P. 2,705,286.  
 Kintzing, Reese T. 2,725,448.  
 Knochel, William J., Eber, and Ehringer. 2,724,892.  
 Knowles, Dewey D. 2,716,719.  
 Koch, Gustav H. 2,728,038.  
 Koerner, Harry E., and Bantz. 2,701,744.  
 Koerner, Harry E., and Wagner. 2,712,080.  
 Krenke, Vincent G. 2,727,964.  
 Kroft, Herbert M., and Vore. 2,724,971.  
 Kuhne, Clarence A., and Redmond. 2,725,450.  
 Laidig, Alfred H. 2,716,715.  
 Large, William E., and Barrell. 2,703,860.  
 Lewin, Gerhard. 2,721,108.  
 Leyde, Warren L., and Houston. 2,727,144.  
 Lilliendahl, William C., and Gregory. 2,707,679.  
 Lingal, Harry J. 2,700,082.  
 Lingal, Harry J. 2,703,829.  
 Lockwood, George H., and Peterson. 2,707,687.  
 Longini, Richard L. 2,727,157.  
 Longini, Richard L., and Coles. 2,727,118.  
 Longini, Richard L., and McIntosh. 2,727,173.  
 Macdonald, Angus A. 2,703,825.  
 MacNeill, John B. 2,709,731.  
 Malick, Franklin S., and Mershon. 2,725,519.  
 Manecke, Siegfried E. 2,715,201.  
 Marbury, Ralph E. 2,705,301.  
 Marbury, Ralph E. 2,722,634.  
 Marbury, Ralph E. 2,722,656.  
 Marshall, Donald E. 2,707,753.  
 Marshall, Donald E., Lewin, and Goldman. 2,727,168.  
 Marshall, Fitz-Hugh B. 2,725,483.  
 Marshall, Fitz-Hugh B. 2,727,183.  
 Martello, Norman E. 2,725,321.  
 Mason, Julien J. 2,725,497.  
 Mathias, Gerald E. 2,714,696.  
 Mathias, Gerald E. 2,719,256.  
 Mathias, Gerald E., and Hunt. 2,712,105.  
 McBride, Byron V. 2,725,310.  
 McClellan, Cyril E. 2,712,061.  
 McCulloch, Leon. 2,722,561.  
 McGowan, Michael E. 2,698,987.  
 Meister, George. 2,699,371.  
 Meister, George. 2,715,691.  
 Meister, George, and Heine. 2,714,682.  
 Meister, George, and Heine. 2,714,684.  
 Meister, George, and Heine. 2,714,685.  
 Mershon, Clarence L. 2,725,452.  
 Merwin, Harry H., and Sweeney. 2,704,914.  
 Miller, Carl F. 2,727,176.  
 Miller, Theodore, and Fromm. 2,727,184.  
 Miner, John D., Jr. 2,719,259.  
 Mohr, Glenn R., and Gelpi. 2,727,113.  
 Moore, Raymond W., and Fitzer. 2,715,701.  
 Moses, Graham L. 2,722,616.  
 Mullan, Daniel, May, and Bauer. 2,720,690.  
 Musk, Henry A. 2,727,145.  
 Nagy, Rudolph, and Etzel. 2,709,766.  
 Narbutovskih, Paul. 2,711,882.  
 O'Neill, Louis R. 2,721,317.  
 Opel, Lawrence G. 2,709,763.  
 Ostrander, William M. 2,727,592.  
 Page, Fountain T. 2,709,746.  
 Parr, Bernard F. 2,724,322.  
 Parsons, John R. 2,701,843.  
 Parsons, John R., and Van Ness. 2,701,852.  
 Platte, William N. 2,727,969.  
 Potter, Marion G. 2,709,761.  
 Pouchot, Walter D. 2,712,221.  
 Purifoy, George R. 2,712,103.  
 Radkowski, Leo S. 2,727,613.  
 Rainone, Nicholas J. 2,721,291.  
 Rambo, Sheldon I., and Boyd. 2,723,334.  
 Rambo, Sheldon I., and Frey. 2,719,273.  
 Rasmussen, Arne P., and Roese. 2,727,705.  
 Rebuffoni, Martin. 2,719,209.  
 Redmond, John A. 2,724,763.  
 Reichert, Howard E., and Freese. 2,727,966.  
 Retzer, Theodore C. 2,716,584.  
 Richardson, Earl L. 2,714,939.  
 Ritter, John A. 2,712,218.  
 Rively, Clair M. 2,725,495.  
 Rively, Clair M., and Gleim. 2,725,525.  
 Rowe, Floyd H. 2,724,454.  
 Santini, Danilo, and Suozzo. 2,717,056.  
 Sarles, Peter M. 2,714,801.  
 Savage, Conwell. 2,728,064.  
 Schaelchlin, Walter. 2,714,695.  
 Slepian, Joseph. 2,724,056.  
 Slepian, Joseph. 2,724,057.  
 Slepian, Joseph. 2,725,446.  
 Smith, Guy F. 2,709,122.  
 Spencer, Douglas C., and Tusing. 2,711,452.  
 Stahl, William L., and Voegel. 2,707,270.  
 Stamm, John J. 2,703,845.

Westinghouse Electric Corp.: *See*—Continued.

Stearley, George H. 2,728,044.  
 Stewart, Perry V. 2,719,251.  
 Stiglmeier, Donald M., Muczenski, and Penney. 2,726,343.  
 Storms, John A., and Peterson. 2,725,498.  
 Straka, Cyril J. 2,711,982.  
 Sueker, Keith H. 2,725,518.  
 Sunderlin, Joseph E. 2,727,159.  
 Sunderlin, Joseph E. 2,727,160.  
 Suozzo, John. 2,722,672.  
 Suozzo, John, and Rosenkrans. 2,727,591.  
 Taylor, Owen L. 2,722,135.  
 Thomas, Eugene P., and Wagner. 2,726,910.  
 Thoresen, Oscar. 2,727,402.  
 Thorpe, Robert J., and Winters. 2,701,609.  
 Toth, Julius, and Flick. 2,727,965.  
 Tremblay, Bernard G., and Stuellein. 2,725,442.  
 Tubbs, Lester G. 2,712,115.  
 Tull, Robert H. 2,719,945.  
 Tull, Robert H. 2,724,560.  
 Turner, Tom. 2,728,002.  
 Van Sickle, Roswell C., and Frink. 2,727,963.  
 Wagner, Robert J., and Thomas. 2,726,909.  
 Walker, Eugene J., and Gelzheiser. 2,709,729.  
 Wallace, James B., and Born. 2,727,939.  
 Wallace, James M., and Edwards. 2,700,081.  
 Way, Stewart. 2,716,330.  
 Wexler, Aaron, and Cunningham. 2,722,336.  
 Weyrick, Paul M. 2,725,456.  
 Wheeler, Myron S. 2,727,180.  
 Wheeler, Myron S. 2,727,186.  
 Wheeler, Myron S. 2,727,230.  
 Wibell, Martin, and Immel. 2,712,123.  
 Wilcox, Charles A. 2,725,454.  
 Williams, Clifton S., and Johnson. 2,727,972.  
 Willis, William J., and Schatz. 2,709,777.  
 Winchester, Amos J., Jr. 2,715,702.  
 Wright, Robert L., Jr. 2,719,234.  
 Wroughton, Donald M., and Gregory. 2,699,015.  
 Young, Douglass A. 2,718,869.  
 Zehrbach, Edgar L. 2,724,905.  
 Westlake, Harry E., Jr.: *See*—  
   Hardy, William B., and Westlake. 2,712,017.  
   Hardy, William B., and Westlake. 2,716,653.  
 Westlake, Harry E., Jr., and W. B. Hardy, to American Cyanamid Co. 2,716,654, Cl. 260—372.  
 Westlake, Harry E., Jr., and W. B. Hardy, to American Cyanamid Co. 2,717,255, Cl. 260—381.  
 Westling, Carl J., to Vulcan Research Corp. 2,707,494, Cl. 138—94.5.  
 Westmijze, Willem K.: *See*—  
   Kleis, Derk, Westmijze, and Fuchs. 2,700,073.  
 Westnes, Peder R. 2,704,414, Cl. 43—43.1.  
 Westofen G. m. b. H.: *See*—  
   Coors, Georg. 2,722,413.  
 Weston, Adelbert E.: *See*—  
   Johnson, Leon, and Weston. 2,701,465.  
 Weston, Arthur W., to Abbott Laboratories. 2,704,284, Cl. 260—247.2.  
 Weston, Arthur W., to Abbott Laboratories. 2,713,048, Cl. 260—294.8.  
 Weston, Arthur W., M. B. Moore, R. K. Richards, and E. J. Matson, to Abbott Laboratories. 2,700,041, Cl. 260—286.  
 Weston, David. 2,704,636, Cl. 241—183.  
 Weston Electrical Instrument Corp.: *See*—  
   Erbguth, Paul F. K. 2,718,239.  
   Hornbruch, Hugo, Bartley, and Flinn. 2,719,293.  
   Johnson, Robert W., and Kebbon. 2,713,625.  
   Kebbon, Earl R. 2,706,962.  
   Kunz, Miles C., and Lamb. 2,719,267.  
   Lamb, Anthony H. 2,703,983.  
   Lamb, Anthony H., and Kebbon. 2,713,265.  
   Lamb, Francis X. 2,720,187.  
   Miller, John H. 2,712,127.  
   Pierce, Raymond T. 2,721,480.  
   Sheehan, Thomas P. 2,704,349.  
   Skidmore, Walter H. 2,708,737.  
 Weston Hydraulics, Ltd.: *See*—  
   Gerwig, Harvey F. 2,712,422.  
 Weston, Sydney R. 2,716,516, Cl. 224—45.  
 West Point Mfg. Co.: *See*—  
   Ballard, Kempton W. 2,702,164.  
   Piper, Frank R. 2,699,896.  
   Piper, Frank R., and Gardner. 2,710,438.  
   Strother, Fred P. 2,704,633.  
   Strother, Fred P., Granberry, and Manning. 2,705,423.  
 Westrex Corp.: *See*—  
   Frayne, John G. 2,727,097.  
   Manley, Herbert A. 2,710,188.  
   Templin, Edwin W. 2,725,785.  
 Westwood, David H.: *See*—  
   Trachtenberg, Robert, and Westwood. 2,713,160.  
 Westwood, David H., to Radio Corp. of America. 2,708,258, Cl. 318—28.  
 Westwood, David H., to Radio Corp. of America. 2,716,233, Cl. 343—7.  
 Wethe, Harry K.: *See*—  
   Foster, Willis R., and Wethe. 2,699,849.  
 Wethe, Harry K., to Package Machinery Co. 2,727,444, Cl. 93—51.  
 Wetherbee, Arthur E., Jr., to United Aircraft Corp. 2,703,959, Cl. 60—35.6.  
 Wetherbee, George D., and E. H. Hammond; said Wetherbee assor. to said Hammond. 2,726,067, Cl. 257—3.



- Wetherilt, James N.: *See*—  
Davis, Neville R., and Wetherilt. 2,726,300.
- Wetterholm, Gustav A., and K. R. Fossan, to Nitroglycerin Aktiebolaget. 2,702,824, Cl. 260—607.
- Wettstein, Albert: *See*—  
Miescher, Karl, Wettstein, and Heusler. 2,714,112.
- Wettstein, Walter, to Ciba Ltd. 2,699,441, Cl. 260—314.5.
- Wetzel, Clifford C. 2,705,986, Cl. 146—164.
- Wetzel, Frank O.: *See*—  
Knosp, Robert N., Linden, and Wetzel. 2,699,078.  
Knosp, Robert N., Linden, and Wetzel. 2,722,853.
- Wetzel, Fred J., to W. P. Equipment Corp. 2,723,792, Cl. 226—92.
- Wetzel, John W., to Houdry Process Corp. 2,704,758, Cl. 260—283.
- Wetzel, John W. 2,725,209, Cl. 248—154.
- Wetzel, William H. 2,727,349, Cl. 56—25.4.
- Wetzler, John M., to General Motors Corp. 2,711,072, Cl. 60—39.37.
- Wever, Franz, and W. Koch, to Manufacturers Chemical Corp. 2,705,196, Cl. 75—58.
- Wexler, Aaron, and G. T. Cunningham, to Westinghouse Electric Corp. 2,722,336, Cl. 220—14.
- Wexler, John W. 2,722,444, Cl. 292—153.
- Weyde, Edith, to AGFA Aktiengesellschaft für Photofabrikation. 2,699,393, Cl. 95—88.
- Weyde, Edith, to Agfa Aktiengesellschaft für Photofabrikation. 2,709,135, Cl. 95—88.
- Weyde, Edith, to Agfa Aktiengesellschaft für Photofabrikation. 2,712,995, Cl. 95—2.
- Weyenberg, Donald R., to Dow Corning Corp. 2,713,064, Cl. 260—448.8.
- Weyenberg, Donald R., to Dow Corning Corp. 2,714,099, Cl. 260—46.5.
- Weyerhaeuser Timber Co.: *See*—  
Heritage, Clark C., and Van Beckum. 2,701,255.  
Roberts, James R. 2,714,072.
- Weyl, Bernard A.: *See*—  
Watson, William A. 2,701,898.
- Weyl, Woldemar A.: *See*—  
Otley, Kurt O., and Weyl. 2,722,519.
- Weyrick, Paul M., to Westinghouse Electric Corp. 2,725,456, Cl. 219—37.
- Whalen, Edward J. 2,700,987, Cl. 137—784.
- Whalen, John N., to F. A. Bronzo. 2,728,374, Cl. 155—39.
- Whaley, Fred R., C. N. Smith, and R. H. Wellman, to Union Carbide and Carbon Corp. 2,699,419, Cl. 167—16.
- Whaley, Fred S., to Westinghouse Air Brake Co. 2,714,943, Cl. 188—151.
- Whaley, Ruth B. 2,722,222, Cl. 132—7.
- Whaley, Thomas P., to Ethyl Corp. 2,716,057, Cl. 75—0.5.
- Whaley, Thomas P., to Ethyl Corp. 2,727,817, Cl. 75—84.
- Whalley, George E., to Gaylord Container Corp. 2,706,099, Cl. 248—120.
- Whann, Jesse P.: *See*—  
Parker, Carol, and Whann. 2,723,779.
- Whann, R. Welton: *See*—  
MacLeod, Norman A. 2,703,297.
- Wharton, Armistead, and F. M. Benz, to Stromberg-Carlson Co. 2,714,197, Cl. 339—255.
- Wharton, Donald A. 2,698,921, Cl. 324—52.
- Whately, Louis B. 2,714,247, Cl. 30—3.
- Wheat, Grant, and H. A. Lozeau, to Koehler Mfg. Co. 2,709,238, Cl. 320—35.
- Wheatcroft, Arthur C., to North American Lace Co., Inc. 2,723,586, Cl. 87—2.
- Wheatcroft, Arthur C., to North American Lace Co., Inc. 2,723,588, Cl. 87—2.
- Wheatcroft, Arthur C., and F. Varney, to North American Lace Co., Inc. 2,723,587, Cl. 87—2.
- Wheatley, Max D.: *See*—  
Dawson, Helen L., and Wheatley. 2,717,227.
- Wheatley, Thomas. 2,707,575, Cl. 220—57.
- Wheatley, Thomas, to Tomco Supply Corp. 2,707,613, Cl. 251—162.
- Wheatley, William B.: *See*—  
Alberi, Joseph T., and Wheatley. 2,721,192.
- Wheaton, Robert M., to The Dow Chemical Co. 2,723,245, Cl. 260—2.1.
- Wheeler, Benjamin F., R. J. Norton, and J. A. Collins, to Radio Corp. of America. 2,706,286, Cl. 340—163.
- Wheeler, Byron E., and E. Micheletti, to The Pelton Water Wheel Co. 2,707,938, Cl. 121—43.
- Wheeler, Donald B., to Union Bag & Paper Corp. 2,728,479, Cl. 217—35.
- Wheeler, George L.: *See*—  
Spurlino, Pascal, Moser, Wheeler, and Struve. 2,698,715.
- Wheeler, Gordon C., to Lithographic Technical Foundation. 2,728,224, Cl. 73—150.
- Wheeler, Harold: *See*—  
Mathews, Joseph A., and Wheeler. 2,707,896.
- Wheeler, Harold A.: *See*—  
Alexanderson, Howard A., and Wheeler. 2,727,578.
- Wheeler, John L., to Stromberg-Carlson Co. 2,702,879, Cl. 321—8.
- Wheeler, Lisle L.: *See*—  
Garbarini, Robert F., Wheeler, and Ericson. 2,712,269.
- Wheeler, Marcus A.: *See*—  
Gresham, Harold E., Dunlop, and Wheeler. 2,712,498.
- Wheeler, Myron S., to Westinghouse Electric Corp. 2,727,180, Cl. 315—5.
- Wheeler, Myron S., to Westinghouse Electric Corp. 2,727,186, Cl. 315—39.75.
- Wheeler, Ralph. 2,727,252, Cl. 5—119.
- Wheeler, William H. 2,719,071, Cl. 312—327.
- Wheeling Machine Products Co.: *See*—  
Krause, David T. 2,713,714.
- Wheeling Steel Corp.: *See*—  
Ackermann, William E. 2,711,845.  
Felton, John M. 2,720,574.
- Wheelon, Orville A.: *See*—  
Harrison, Charles C., Mead, Rechton, and Wheelon. 2,702,577.
- Wheildon, William M., Jr., to Norton Co. 2,707,691, Cl. 117—104.
- Whelan, George M. 2,717,715, Cl. 220—3.94.
- Whelan, Howard J.: *See*—  
Bathon, George H., and Whelan. 2,698,645.
- Whelan, Matthew P. 2,705,173, Cl. 301—41.
- Wheland Co., The: *See*—  
Campbell, George E. 2,717,186.
- Wheler, Myron S., to Westinghouse Electric Corp. 2,727,230, Cl. 343—100.
- Whetstone, John, and N. A. R. Bell, to Imperial Chemical Industries Ltd. 2,720,446, Cl. 23—103.
- Whildin, Harry R. 2,728,824, Cl. 200—61.12.
- Whillock, Arthur F.: *See*—  
Forty, Albert J., and Whillock. 2,714,440.
- Whipple, Leon V.: *See*—  
Halstead, Richard L., and Whipple. 2,710,990.
- Whirlpool Corp.: *See*—  
Geldhof, Peter E., and Ringer. Re. 24,016.  
Geldhof, Peter E., and Ringer. 2,726,558.
- Whisler, Paul A., to Allis-Chalmers Mfg. Co. 2,728,180, Cl. 56—2.
- Whitaker, Arthur W. 2,699,302, Cl. 244—103.
- Whitaker, Douglas C., to Proctor Electric Co. 2,712,829, Cl. 137—469.
- Whitaker, Joseph H.: *See*—  
Gardner, George W., and Whitaker. 2,720,940.
- Whitaker, Leonard W.: *See*—  
Fewings, David J., and Whitaker. 2,728,910.
- Whitaker, Leonard W., to Marconi's Wireless Telegraph Co. Ltd. 2,713,638, Cl. 250—36.
- Whitaker, Paul B., to The Electron Corp. 2,710,762, Cl. 287—52.06.
- Whitaker, Seldon V., and P. A. Derham, to J. Bishop & Co. Platinum Works. 2,720,880, Cl. 128—218.
- Whitaker, Thelma U.: *See*—  
Gribble, Vola J., and Whitaker. 2,717,389.
- Whitcomb, Arthur J.: *See*—  
Schofield, Wilfred C., and Whitcomb. 2,717,759.
- Whitcomb, George E., Jr. 2,720,213, Cl. 137—110.
- White, Albert J.: *See*—  
Jay, James B., White, and Hunt. 2,717,003.
- White, Albert R. 2,724,176, Cl. 29—419.
- White, Allen A. 2,699,203, Cl. 155—198.
- White, Alonzo, III: *See*—  
Callery, George L., and White. 2,699,960.
- White, C. B., Co., Inc.: *See*—  
White, Charles B. 2,706,522.
- White, Charles B., to C. B. White Co., Inc. 2,706,522, Cl. 160—115.
- White, Charles De B., and K. A. Matthews, to International Standard Electric Corp. 2,701,281, Cl. 179—171.
- White, Chester M., and R. E. Ivancic, to Genesee Research Corp. 2,721,183, Cl. 252—74.
- White, Clarence J. 2,717,750, Cl. 248—27.8.
- White, Donald K.: *See*—  
Grunwald, Robert, and White. 2,699,676.
- White, Edna S.: *See*—  
White, Halbert E. 2,703,597.
- White, Edward A., to International Telephone and Telegraph Corp. 2,718,594, Cl. 250—36.
- White, Edward J., to The Gates Rubber Co. 2,706,509, Cl. 152—209.
- White, Edythe S.: *See*—  
White, Ernest C. 2,708,415.
- White, Ellis E., to Multi-Deck Parking, Inc. 2,698,974, Cl. 20—1.13.
- White, Ellis E., to Multi-Deck Corp. of America. 2,717,428, Cl. 20—1.13.
- White, Eric L. C., to Electric & Musical Industries Ltd. 2,716,152, Cl. 178—6.
- White, Ernest C., to E. S. White. 2,708,415, Cl. 112—219.
- White, Frank B.: *See*—  
Huddleston, Loyd C., White, and Eastes. 2,698,635.
- White, Fred C., ½ to Griffin Fuel Co. 2,703,194, Cl. 226—66.
- White, Frederick: *See*—  
Railton, Denis E., and White. 2,699,265.
- White, Geoffrey K. and H. 2,713,548, Cl. 117—94.
- White, George W., to Veeder-Root Inc. 2,706,224, Cl. 200—39.
- White, Gerald. 2,727,484, Cl. 114—0.5.
- White, Gifford E.: *See*—  
Shepherd, James E., Miehler, and White. 2,710,399.  
Shepherd, James E., and White. 2,720,647.  
Statham, Louis D., White, and Grant. 2,698,886.
- White, Gifford E., to The Sperry Corp. 2,703,039, Cl. 89—41.
- White, Gifford E., to Sperry Rand Corp. 2,717,374, Cl. 340—212.
- White, Gifford E., to The Sperry Rand Corp. 2,726,810, Cl. 235—61.5.



- White, H. Calvin: *See*—  
Phreaner, Ellis H. 2,720,004.  
Phreaner, Ellis H. 2,720,495.
- White, Halbert C., to The Dow Chemical Co. 2,700,054, Cl. 260—534.
- White, Halbert E., deceased; E. S. White, executrix. 2,703,597, Cl. 153—76.
- White, Harold: *See*—  
White, Geoffrey K. and H. 2,713,548.
- White, Harry B.,  $\frac{1}{2}$  to D. F. Sansouci. 2,706,985, Cl. 128—283.
- White, Harry B., to The Hoover Co. 2,714,426, Cl. 183—58.
- White, Harry B., to The Hoover Co. 2,727,395, Cl. 74—16.
- White, Harry B., M. D. Stahl, and J. E. Duff, to the United States of America as represented by the Secretary of the Army. 2,728,902, Cl. 340—12.
- White, Harry J.: *See*—  
Armstrong, John A., and White. 2,711,225.
- White, Harry J., to Research Corp. 2,704,134, Cl. 183—7.
- White, Harvey R.: *See*—  
Casey, Ben F., and White. 2,728,602.
- White, Hobart S., to the United States of America as represented by the Secretary of the Navy. 2,715,617, Cl. 260—41.
- White, Howard T. 2,713,311, Cl. 103—87.
- White, James F., Jr.: *See*—  
Chelgren, Arvid E., Bell, and White. 2,700,729.
- White, Jesse S. 2,704,814, Cl. 307—132.
- White, Joe: *See*—  
Keller, Clarence J., and White. 2,724,757.
- White, Joe, to General Motors Corp. 2,707,781, Cl. 340—388.
- White, Joe, and C. J. Keller, to General Motors Corp. 2,700,761, Cl. 340—388.
- White, John A., Jr., to Be-Ge Mfg. Co. 2,720,716, Cl. 37—153.
- White, John A., Jr., and J. P. Conroy, to Be-Ge Mfg. Co. 2,726,464, Cl. 37—169.
- White, John E., to the United States of America as represented by the Secretary of the Army. 2,705,293, Cl. 313—193.
- White, John L., to The Upjohn Co. 2,701,789, Cl. 202—161.
- White, Joseph L.: *See*—  
McCormack, John C., and White. 2,699,812.
- White, Joseph T., to Fieldcrest Mills, Inc. 2,710,028, Cl. 139—38.
- White, Kenneth M., to Armco Steel Corp. 2,699,247, Cl. 198—33.
- White, Milton G., to the United States of America as represented by the Secretary of the Navy. 2,706,786, Cl. 250—36.
- White, Moses M. 2,713,889, Cl. 155—124.
- White, Paul W. 2,698,980, Cl. 24—194.
- White, Paul W., to Parva Products Co. Re. 24,071, Cl. 24—194.
- White, Paul W., and K. W. Schaefer. 2,727,289, Cl. 24—200.
- White, Richard M.: *See*—  
Schieser, Warren J., Kelley, White, and Hoffman. 2,726,061.
- White, Robert E., and A. J. Cirrito, to Lukens Steel Co. 2,724,909, Cl. 34—124.
- White, Robert H., to The Torrington Co. 2,724,625, Cl. 308—235.
- White, Roby B., Jr. 2,706,855, Cl. 33—1.
- White, Roby B., Jr. 2,717,804, Cl. 299—86.
- White, Roland J., to Boeing Airplane Co. 2,718,365, Cl. 244—82.
- White, S. S., Dental Mfg. Co., The: *See*—  
Uhler, Wilmer P. 2,701,118.
- White, Samuel, to Lown Shoes, Inc. 2,699,003, Cl. 36—19.5.
- White Sewing Machine Corp.: *See*—  
Ayres, Waldemar A. 2,699,745.  
Ayres, Waldemar A. 2,706,459.  
Ayres, Waldemar A. 2,708,892.  
Ayres, Waldemar A. 2,724,974.  
Ayres, Waldemar A. 2,725,023.  
Ayres, Waldemar A. 2,725,024.  
Ayres, Waldemar A. 2,728,315.  
Hamlett, Sidney J. 2,701,694.
- White, Sidney Y.,  $\frac{1}{2}$  to A. C. Nolte. 2,708,255, Cl. 317—239.
- White, Thomas. 2,700,258, Cl. 51—234.
- White, Thomas C. 2,700,933, Cl. 101—422.
- White, Walter E.: *See*—  
Page, Herbert F. 2,716,477.
- White, Walter H., to Northrop Aircraft, Inc. 2,706,259, Cl. 310—22.
- White, Walter R., and G. F. Nadeau, to Eastman Kodak Co. 2,703,284, Cl. 95—9.
- White, Walter T.: *See*—  
Knowles, Richard C., Holschuh, and White. 2,715,776.
- White, Wilfrid F., and J. W. Giffie, to Armour and Co. 2,713,021, Cl. 167—74.
- White, William A.: *See*—  
Norzorden, Oscar, White, and Hayward. 2,710,960.
- White, William D. 2,713,107, Cl. 219—8.
- White, William I. 2,699,957, Cl. 280—485.
- White, William J. 2,710,083, Cl. 190—42.
- Whitecar, Alten E., to Smith, Kline & French Laboratories. 2,722,357, Cl. 226—40.
- Whitecar, Alten E., to Smith, Kline & French Laboratories. 2,728,442, Cl. 198—30.
- White Castle System, Inc.: *See*—  
De Villers, Edmund J. 2,699,274.  
De Villers, Edmund J. 2,725,163.  
Long, William J. 2,727,246.  
Long, William J. 2,728,084.
- Whitehead Brothers Co.: *See*—  
Wallace, Burgess P. 2,714,077.
- Whitehead, Calvert W., to Eli Lilly and Co. 2,698,858, Cl. 260—434.
- Whitehead, Charles R.: *See*—  
Barrett, Charles D., and Whitehead. 2,719,490.
- Whitehead, Earl B., to Atlantic Carton Corp. 2,710,687, Cl. 206—45.26.
- Whitehead, Frederick W., to The Bristol Aeroplane Co. Ltd. 2,716,924, Cl. 90—13.
- Whitehead, Ned. 2,714,201, Cl. 340—149.
- Whitehead Stamping Co.: *See*—  
Dimmer, William J. 2,718,248.  
Whitehead, Thomas C. 2,705,122.
- Whitehead, Thomas C., to Whitehead Stamping Co. 2,705,122, Cl. 248—286.
- Whitehead, William R.: *See*—  
Grunder, Harold R. 2,707,358.
- Whitehill, Lynwood N., and J. A. Arvin, to The Sherwin-Williams Co. 2,704,750, Cl. 260—67.6.
- Whitehill, Richard W.: *See*—  
Eaves, William C., and Whitehill. 2,699,955.
- Whitehorn, Arthur R., to Westinghouse Air Brake Co. 2,702,851, Cl. 246—39.
- Whitehorn, Robert M.: *See*—  
Bourns, Marlan E., Harrison, Goeppinger, Whitehorn, and Hedges. 2,706,230.
- Whitehouse, Karl C.: *See*—  
Lecher, Hans Z., Chao, and Whitehouse. 2,717,906.
- Whitehouse Products, Inc.: *See*—  
Lawson, William L. 2,710,948.
- Whitehouse, Zebulon W., to Republic Steel Corp. 2,699,059, Cl. 73—15.
- Whitehurst, Brooks M.: *See*—  
Griset, Ernest J., Jr., Godehn, Nothstein, and Whitehurst. 2,724,956.
- Whitesell, Denham A. Re. 23,923, Cl. 214—330.
- Whitesell, Harry. 2,701,431, Cl. 51—193.
- Whiteley, Stanley B., to Trico Products Corp. 2,723,139, Cl. 287—53.
- Whiteside-Carlson, Virginia, and W. W. Carlson, to The Commonwealth Engineering Co. 2,716,237, Cl. 195—31.
- Whitfield, Joseph E., to Read Standard Corp. 2,701,683, Cl. 230—143.
- Whitfield, Joseph E., to Read Standard Corp. 2,721,494, Cl. 82—19.
- Whitfield, Joseph E., to Read Standard Corp. 2,721,747, Cl. 286—9.
- Whitfield, Marshall G., to Whitfield & Sheshunoff Inc. 2,702,525, Cl. 118—420.
- Whitfield & Sheshunoff Inc.: *See*—  
Whitfield, Marshall G. 2,702,525.
- Whitin Machine Works: *See*—  
De Santis, Fausto G. 2,707,807.  
Giemza, Thadeus J. 2,705,817.  
Joyce, Glover C. 2,718,360.  
Kalwaites, Frank. 2,705,818.  
Smith, Graydon. 2,728,531.  
Werth, William W., and McFarland. 2,728,111.
- Whiting Corp.: *See*—  
Ames, Victor H. 2,721,522.  
Bock, George E. 2,700,937.  
Bock, George E., and Ames. 2,718,195.  
Bock, George E., and Ames. 2,718,197.  
Fones, Frank H. 2,712,468.  
Hesler, Warren E. 2,707,022.  
Morey, Woodruff A. 2,722,897.
- Whitley, Maurice G.: *See*—  
Carrier, Robert M., Jr., and Whitley. 2,700,472.  
Carrier, Robert M., Jr., and Whitley. 2,705,070.
- Whitlock, Dean W. 2,728,841, Cl. 219—19.
- Whitlock, John L. 2,721,742, Cl. 273—86.
- Whitlock, Leslie A. 2,728,126, Cl. 25—128.
- Whitlock, Robert A., Jr., to Automatic Pump & Softener Corp. 2,714,897, Cl. 137—628.
- Whitlock, Robert A., Jr., to Automatic Pump & Softener Corp. 2,715,098, Cl. 210—24.
- Whitlock, Robert A., Jr., to Automatic Pump & Softener Corp. 2,716,422, Cl. 137—391.
- Whitlock, Robert A., Jr., to Automatic Pump & Softener Corp. 2,720,845, Cl. 103—278.
- Whitlow, Lyman B. 2,710,419, Cl. 15—104.12.
- Whitman, Alfred, to Tracerlab, Inc. 2,712,088, Cl. 313—93.
- Whitman, Harlan M., to Curtis 1000, Inc. 2,723,076, Cl. 229—69.
- Whitman, Harlan M., to Curtis 1000, Inc. 2,723,077, Cl. 229—69.
- Whitman, Kent. 2,717,619, Cl. 150—0.5.
- Whitman, Lawrence C., to General Electric Co. 2,702,374, Cl. 336—185.
- Whitman, Lawrence C., and J. R. Barr, to General Electric Co. 2,714,143, Cl. 200—140.
- Whitman, Nelson: *See*—  
Denison, Mortimer C., and Whitman. 2,711,686.
- Whitmore, Harland W., to Motor Products Corp. 2,715,976, Cl. 220—9.
- Whitmore, John L. 2,703,518, Cl. 97—78.
- Whitmore, Robert W.: *See*—  
Cooley, Kenneth D., and Whitmore. 2,719,952.
- Whitmore, Robert W., to The Youngstown Sheet and Tube Co. 2,719,951, Cl. 324—37.
- Whitner, Thomas C. 2,711,376, Cl. 117—141.



- Whitney Blake Co.: *See*—  
 Day, Samuel S. 2,718,660.  
 Judisch, Carl H. 2,718,659.  
 Quackenbush, Edward C., and Runge. 2,728,895.  
 Stevens, Charles H., Jr. 2,708,714.
- Whitney Chain Co., The: *See*—  
 Bailey, Albert H., and Chaffee. 2,705,852.
- Whitney, Frank C.: *See*—  
 Averill, Harold P., Peakes, Whitney, and Scruton. 2,719,794.
- Whitney, Gordon E., to International Business Machines Corp. 2,710,928, Cl. 307—88.
- Whitney, John E. S.: *See*—  
 Evans, Edward M., and Whitney. 2,698,868.
- Whitney, Kenneth E.: *See*—  
 Chappell, Ralph R., and Whitney. 2,708,745.
- Whitney, Ralph D. 2,709,590, Cl. 272—70.1.
- Whitney, Vernon L., Jr., and J. L. Weiler, to Fairchild Engine and Airplane Corp. 2,721,456, Cl. 62—136.
- Whitney, William B.: *See*—  
 Axe, William N., and Whitney. 2,702,819.
- Whitney, William B., to Phillips Petroleum Co. 2,710,303, Cl. 260—501.
- Whitsel, James L. 2,715,372, Cl. 107—4.
- Whitson, William L., J. Rabinow, and W. B. McLean, to the United States of America as represented by the Secretary of the Navy. 2,704,326, Cl. 250—27.
- Whittamore, James J., 50% to D. A. Garst. 2,706,002, Cl. 164—77.
- Whitten, John L. 2,724,124, Cl. 4—185.
- Whittier, Ellerton W., to The Foxboro Co. 2,718,619, Cl. 324—61.
- Whittier, Sidney B., to Polaroid Corp. 2,722,871, Cl. 95—13.
- Whittle, Oscar L. 2,710,544, Cl. 74—235.
- Whittlesey, Welsh C., to the United States of America as represented by the Secretary of the Army. 2,706,317, Cl. 20—92.7.
- Whittum, Gordon R., to United States Steel Corp. 2,700,514, Cl. 242—82.
- Whittum, Warren C., to Farrel-Birmingham Co., Inc. 2,718,827, Cl. 92—73.
- Whitworth, Edward: *See*—  
 Wright, Harold R., Zenftman, and Whitworth. 2,716,056.
- Zenftman, Henryk, and Whitworth. 2,724,394.
- Whorton, Leonidas P., and E. R. Brownscombe, to The Atlantic Refining Co. 2,724,437, Cl. 166—7.
- Whorton, Leonidas P., and E. R. Brownscombe, to The Atlantic Refining Co. 2,724,438, Cl. 166—7.
- Wibell, Martin, and R. B. Immel, to Westinghouse Electric Corp. 2,712,123, Cl. 339—246.
- Wiberg, Eric A.: *See*—  
 Lundkvist, Karl A., and Wiberg. 2,718,559.
- Wichita Precision Tool Co., Inc.: *See*—  
 Jackson, Nolan C. 2,720,347.
- Wick, Arne N., and M. J. Vander Brook, to The Upjohn Co. 2,701,795, Cl. 260—210.
- Wick, Edmund L. 2,724,914, Cl. 36—37.
- Wick, George F., Sr., to Jasco Aluminum Products Corp. 2,701,040, Cl. 189—36.
- Wick, Richard M., S. H. Jones, and S. W. McClemens, to Bethlehem Steel Co. 2,716,079, Cl. 148—10.
- Wick, Robert S.: *See*—  
 Jenner, William C., Wick, and Newpher. 2,713,715.
- Wickardt, Kurt W., to Hosemaster Machine Co. Ltd. 2,701,457, Cl. 66—110.
- Wickardt, Kurt W., to Hosemaster Machine Co. Ltd. 2,716,877, Cl. 66—96.
- Wickardt, Kurt W., to Hosemaster Machine Co. Ltd. 2,722,815, Cl. 66—110.
- Wickel, Robert R. 2,707,663, Cl. 311—41.
- Wicker, Dan B., to American Cyanamid Co. 2,698,970, Cl. 19—66.
- Wicks Bros., a division of The Wicks Corp.: *See*—  
 Kendall, George A., and Chriscaden. 2,704,955.
- Kendall, George A., and Chriscaden. 2,718,168.
- Wicks, David R. 2,715,804, Cl. 51—170.
- Wickham, Jay F.: *See*—  
 Tyler, Paul J., and Wickham. 2,704,685.
- Wicklitz, John E., to Phillips Petroleum Co. 2,719,139, Cl. 260—45.5.
- Wickman, Klas R.: *See*—  
 Person, Lars B., Von Sivers, Wadö, and Wickman. 2,717,277.
- Person, Lars B., von Sivers, Wadö, and Wickman. 2,718,554.
- Person, Lars B., von Sivers, Wadö, and Wickman. 2,728,817.
- Wicks, Donald L.: *See*—  
 Johnson, Herbert C., Wicks, and Nerdahl. 2,727,753.
- Wicks, Howard E. 2,719,016, Cl. 244—102.
- Wicks, Jack W.: *See*—  
 Fischer, Howard L., and Wicks. 2,710,533.
- Wicks, John, to Automatic Electric Laboratories, Inc. 2,704,788, Cl. 179—27.
- Wicks, John, to Automatic Electric Laboratories, Inc. 2,708,692, Cl. 179—27.
- Wickstrom, Eric A. 2,713,506, Cl. 292—341.18.
- Wickwire, Arthur M., and R. J. Killian, to Automatic Steel Products, Inc. 2,702,597, Cl. 164—60.
- Wico Electric Co.: *See*—  
 Alstrom, Albert I. 2,727,410.
- Widdoes, Lawrence C.: *See*—  
 Spiess, Newton E., Jr., Widdoes, and Weaver. 2,723,790.
- Widmer, Adolf, to Gebr. Stäubli & Co. 2,727,538, Cl. 139—74.
- Widmer, Gustav, to Ciba Ltd. 2,709,693, Cl. 260—67.6.
- Widmer, Gustav, and F. Zuppinger, to Ciba Ltd. 2,700,030, Cl. 260—47.
- Widmer, Nellie D.: *See*—  
 Bray, Clessa C. 2,705,564.
- Widmyer, Robert G., to Westinghouse Air Brake Co. 2,720,355, Cl. 230—18.
- Wiede, Donald, to Joy Mfg. Co. 2,713,479, Cl. 262—29.
- Wieck, Karl. 2,716,392, Cl. 121—17.
- Wiedemann, Erwin, to Sandoz A. G. 2,716,356, Cl. 74—572.
- Wiedemann Machine Co.: *See*—  
 Wiedemann, Theodore A. 2,701,017.
- Wiedemann, Robert A.: *See*—  
 Schweda, Albert M., and Wiedemann. 2,712,803.
- Wiedemann, Theodore A., to Wiedemann Machine Co. 2,701,017, Cl. 164—86.
- Wiedemer, George A. 2,724,836, Cl. 2—132.
- Wiederrecht, John S.: *See*—  
 Sisco, William E., and Wiederecht. 2,708,653.
- Wiederhold, Joseph A., and F. R. Bechen. 2,725,657, Cl. 43—12.
- Wiederhold, Joseph A., and F. R. Bechen. 2,725,658, Cl. 43—12.
- Wiederspan, Donald F. 2,717,641, Cl. 164—84.5.
- Wiegand, David E., to McGraw Electric Co. 2,704,826, Cl. 324—99.
- Wiegand, Edwin L., Co.: *See*—  
 Boggs, Alben C. 2,727,120.
- Boggs, Alben C., and Drugmand. 2,723,340.
- Fleming, Bruce A. 2,726,315.
- Kolb, Joseph E. 2,722,595.
- McOrlly, Joseph. 2,725,455.
- Sherk, Donald. 2,718,577.
- Wiegand, Howard W. 2,709,991, Cl. 122—268.
- Wiegel, John M. 2,702,587, Cl. 155—139.
- Wiegel, Julius H. 2,715,053, Cl. 311—90.
- Wiegerinck, Hendrikus T. J., to Pye Ltd. 2,712,066, Cl. 250—27.
- Wiegiers, Blair H.: *See*—  
 Mische, Henry J. 2,702,983.
- Wiehner, Raymond H., to The Tabor Mfg. Co. 2,726,428, Cl. 22—45.
- Wieland, Theodor, to C. H. Boehringer Sohn. 2,709,164, Cl. 260—112.
- Wieland, Theodor, and R. Sehring, to "C. H. Boehringer Sohn." 2,713,045, Cl. 260—112.
- Wieland, Theodor, and R. Sehring, to "C. H. Boehringer Sohn." 2,715,119, Cl. 260—112.
- Wielicki, Edward A., and E. Lewis, Jr., to American Viscose Corp. 2,701,263, Cl. 260—584.
- Wiemer, Hermann K. 2,711,964, Cl. 99—236.
- Wiener, Eino H. 2,721,381, Cl. 30—6.1.
- Wiener, Tibor: *See*—  
 Kather, William S., and Wiener. 2,711,418.
- Wiese, Lee O. 2,701,996, Cl. 97—217.
- Wiese, Randolph A., to the United States of America as represented by the United States Atomic Energy Commission. 2,716,075, Cl. 117—72.
- Wieseman, Robert W., to General Electric Co. 2,714,173, Cl. 310—194.
- Wiesenthal, Walter E. 2,702,974, Cl. 55—30.
- Wiessner, Willi: *See*—  
 Wagner, Adam, and Wiessner. 2,708,395.
- Wiest, Emil G., and W. J. Balon, to E. I. du Pont de Nemours & Co. 2,709,696, Cl. 260—124.
- Wiest, Fred N.: *See*—  
 Harris, Dale C., Wiest, Rosegart, and Crew. 2,705,751.
- Wiest, Waldo H., Jr. 2,700,171, Cl. 15—241.
- Wiest, Waldo H., Jr. 2,707,298, Cl. 15—236.
- Wieszeck, Emil S. 2,716,343, Cl. 73—361.
- Wigg, Raymond E., to Ruston & Hornsby Ltd. 2,712,729, Cl. 60—39.66.
- Wiggers, Glenn D.: *See*—  
 Geer, Harold C., and Wiggers. 2,721,620.
- Wiggins, E. B., Oil Tool Co. Inc.: *See*—  
 Preston, Don F. 2,724,093.
- Wiggins, John H. 2,712,395, Cl. 220—26.
- Wiggins, John H. 2,718,976, Cl. 220—26.
- Wiggins, John H. 2,718,977, Cl. 220—26.
- Wiggins, John H., J. W. Allen, and F. W. Horner; said Allen and said Horner assors. to said Wiggins. 2,723,908, Cl. 48—178.
- Wiggins, Oscar F.: *See*—  
 Harrison, Wallace K., Abramovitz, and Wiggins. 2,702,104.
- Wight, William A., to Janette Electric Mfg. Co. 2,724,289, Cl. 74—625.
- Wightman, Eric J., to Vickers-Armstrongs Ltd. 2,702,867, Cl. 307—149.
- Wightman, Lawrance W., to General Electric Co. 2,703,371, Cl. 310—87.
- Wiginton, William K. 2,707,474, Cl. 134—102.
- Wigle, Lloyd G., to A. V. Roe Canada Ltd. 2,706,013, Cl. 181—43.
- Wiglesworth, Victor T., 2½% to F. E. Schofield. 2,702,959, Cl. 43—24.
- Wiglesworth, Victor T., 2½% to F. E. Schofield. 2,724,204, Cl. 43—24.
- Wigmore, John R., to Northrop Aircraft, Inc. 2,726,667, Cl. 134—102.
- Wigton, Paul L. 2,713,421, Cl. 209—169.
- Wihtol, Weltis. 2,717,974, Cl. 313—293.
- Wihtol, Weltis. 2,717,975, Cl. 313—331.



- Wihtol, Weltis. 2,720,608, Cl. 313—332.  
 Wiig, Rasmus K. A. 2,722,928, Cl. 123—145.  
 Wiitala, Edwin S., and D. J. Kridel, to Eastman Kodak Co. 2,708,597, Cl. 299—59.  
 Wikander, Oscar R. 2,709,607, Cl. 287—52.  
 Wikle, George F., to United States Rubber Co. 2,716,437, Cl. 154—10.  
 Wikle, George F., O. B. Moore, and E. A. Stiegler, to United States Rubber Co. 2,717,623, Cl. 154—9.  
 Wikle, Richard H. 2,704,099, Cl. 150—1.  
 Wiklund, Carl H., to Airequip Mfg. Co., Inc. 2,711,602, Cl. 40—79.  
 Wiklund, Johan E., to Reymerholms Gamla Industri Aktiebolag. 2,709,833, Cl. 18—1.  
 Wilbro Corp.: See—  
     Geisler, William. 2,709,559.  
     Wandel, Kurt. 2,699,629.  
 Wilburn, Frank: See—  
     Cunningham, Jack B., and Wilburn. 2,708,703.  
 Wilbushewich, Eugen. 2,723,534, Cl. 62—7.  
 Wilckens, Eibe A., and H. A. Rau, to Crown Cork & Seal Co., Inc. 2,703,130, Cl. 154—15.  
 Wilckens, Kurt W., to Heinemann Electric Co. 2,700,711, Cl. 200—106.  
 Wilcock, Donald F., and M. M. Sprung, to General Electric Co. 2,716,129, Cl. 260—448.2.  
 Wilcock, John E., to Pilkington Brothers Ltd. 2,710,492, Cl. 49—22.  
 Wilcolator Co., The: See—  
     Biddle, William P., Jr., and Graves. 2,713,861.  
 Wilcox, Charles A., to Westinghouse Electric Corp. 2,725,454, Cl. 219—35.  
 Wilcox, Doyle E., to North American Aviation, Inc. 2,711,590, Cl. 33—206.  
 Wilcox-Gay Corp.: See—  
     Cain, Robert M. 2,706,637.  
 Wilcox, Harold R., to Riggs & Lombard, Inc. 2,718,773, Cl. 68—27.  
 Wilcox, Isaac L., to Oswego Falls Corp. 2,704,179, Cl. 229—5.5.  
 Wilcox, Isaac L., to Oswego Falls Corp. 2,718,322, Cl. 215—38.  
 Wilcox, Paul W.: See—  
     Wolff, John E., and Wilcox. 2,700,938.  
     Wolff, John E., Wilcox, and Wyatt. 2,727,473.  
 Wilcox, Roy F. 2,721,059, Cl. 255—61.  
 Wilcox, Warren N., to Modern Products, Inc. 2,703,558, Cl. 121—38.  
 Wilcoxon, Kenneth H. 2,709,981, Cl. 114—235.  
 Wild, Anthony M.: See—  
     Gasson, Edward J., Wild, Robson, and Millidge. 2,704,774.  
 Wild, Henry W., to Scovill Mfg. Co. 2,728,125, Cl. 24—205.11.  
 Wild, Herbert K., to International Business Machines Corp. 2,724,104, Cl. 340—213.  
 Wild, Norman R.: See—  
     Jenks, Frederic A., and Wild. 2,713,636.  
 Wild, Rudolf F., to Minneapolis-Honeywell Regulator Co. 2,717,359, Cl. 324—98.  
 Wildbolz, Rudolf, and E. Bachmann, to Actiengesellschaft Joh. Jacob Rieter & Cie. 2,713,701, Cl. 19—157.  
 Wilde, Alexander E., to Faspray Corp. 2,718,297, Cl. 198—208.  
 Wilde, Geoffrey L.: See—  
     Lovesey, Alfred C., Wilde, and Davies. 2,705,590.  
 Wilde, Geoffrey L., to Rolls-Royce Ltd. 2,718,349, Cl. 230—114.  
 Wilde, Geoffrey L., and A. B. McKenzie, to Rolls-Royce Ltd. 2,728,518, Cl. 230—115.  
 Wilde, Herman E., to Merck & Co., Inc. 2,707,689, Cl. 117—84.  
 Wilder, Edward A., and E. H. McMullen, to S. C. Johnson & Son, Inc. 2,703,807, Cl. 260—406.  
 Wilder, James J., to General Motors Corp. 2,825,046, Cl. 123—102.  
 Wilder, Loren W. 2,706,001, Cl. 164—60.  
 Wildhaber, Ernest. 2,709,902, Cl. 64—21.  
 Wildhaber, Ernest, to The Gleason Works. 2,725,792, Cl. 90—5.  
 Wildhaber, Ernest. 2,726,877, Cl. 280—96.  
 Wildhaber, Ernest. 2,728,586, Cl. 280—90.  
 Wildhaber, John F. 2,702,503, Cl. 98—33.  
 Wildhack, William A. 2,703,013, Cl. 73—357.  
 Wildi, Bernard S.: See—  
     Emerson, William S., and Wildi. 2,703,816.  
 Wildi, Bernard S., to Monsanto Chemical Co. 2,698,853, Cl. 260—397.2.  
 Wildmain, Blaine C. 2,702,165, Cl. 242—70.  
 Wildstein, Stephen N., to Palmer Plastics, Inc. 2,710,490, Cl. 46—200.  
 Wildt and Co. Ltd.: See—  
     Overfield-Collins, Edward, and Saunders. 2,723,544.  
     Saunders, Alfred P. 2,719,416.  
 Wildt, George J. 2,717,453, Cl. 33—174.  
 Wile, M., & Co., Inc.: See—  
     Caruso, Laura A. 2,718,011.  
 Wiley, Donald C., to American Meter Co., Inc. 2,705,021, Cl. 137—781.  
 Wiley, Evans C. 2,716,874, Cl. 64—23.  
 Wiley, Gaston. 2,705,048, Cl. 161—15.  
 Wiley, George G., to Streeter-Amet Co. 2,700,950, Cl. 116—114.  
 Wiley, Harry A., and H. F. Shaw, to Thayer, Inc. 2,707,633, Cl. 272—52.  
 Wiley, Mike M. 2,712,877, Cl. 214—86.  
 Wiley, Mike M., to W. T. Stringfellow and Co., Inc. 2,726,777, Cl. 214—86.  
 Wiley, Ray O., to Wilkinson Mfg. Co. 2,718,120, Cl. 62—3.  
 Wiley, Robert D., to Master Pneumatic, Inc. 2,720,278, Cl. 183—67.  
 Wiley, William C.: See—  
     McLaren, Ian H., and Wiley. 2,713,123.  
 Wiley, William C., to Bendix Aviation Corp. 2,706,788, Cl. 250—41.9.  
 Wilfert, Karl, to Daimler-Benz Aktiengesellschaft. 2,718,839, Cl. 98—2.  
 Wilhelm, Albert R. 2,727,953, Cl. 200—50.  
 Wilhelm Grupp Offene Handelsgesellschaft Werkzeug-und Maschinenfabrik: See—  
     Grupp, Christian. 2,699,691.  
 Wilhelm, Harry A., and J. R. Long, to the United States of America as represented by the United States Atomic Energy Commission. 2,700,606, Cl. 75—84.  
 Wilhelm, Henry A.: See—  
     Hetzl, George F., and Wilhelm. 2,701,222.  
 Wilhelm, Kurt E., to Rhee Elastic Thread Corp. 2,722,729, Cl. 28—21.  
 Wilhelm, Tru G. 2,701,564, Cl. 128—75.  
 Wilhide, Glenn C.: See—  
     Short, Harold O., and Wilhide. 2,725,770.  
 Wilhoit, Lowell M., H. B. Schramm, and H. C. Otis. 2,726,723, Cl. 166—224.  
 Wilhoit, Lowell M., H. B. Schramm, and H. C. Otis. 2,726,724, Cl. 166—224.  
 Wilkata Folding Box Co., The: See—  
     Leavens, William B. 2,714,981.  
 Wilke, Milton E.: See—  
     Blake, Ivan C., and Wilke. 2,699,459.  
 Wilke, Milton E., to Burgess Battery Co. 2,699,461, Cl. 136—111.  
 Wilke, Milton E., to Burgess Battery Co. 2,711,437, Cl. 136—90.  
 Wilken, John. 2,727,134, Cl. 219—38.  
 Wilkening, Arthur O. 2,704,504, Cl. 98—87.  
 Wilkening Mfg. Co.: See—  
     Pien, Hsia-Si. 2,713,527.  
 Wilkens, Howard J., to MacGregor Sport Products Inc. 2,708,955, Cl. 150—1.5.  
 Wilkerson, Augustus B., and M. E. Schacht, to Wilkerson & Nutwell, Inc. 2,714,345, Cl. 97—26.  
 Wilkerson & Nutwell, Inc.: See—  
     Wilkerson, Augustus B., and Schacht. 2,714,345.  
 Wilkes, Benjamin G., Jr., and A. B. Steele, to Union Carbide and Carbon Corp. 2,699,452, Cl. 260—584.  
 Wilkes, Gilbert, to the United States of America as represented by the Secretary of the Navy. 2,698,901, Cl. 250—33.63.  
 Wilkes, Gilbert, to the United States of America as represented by the Secretary of the Navy. 2,703,882, Cl. 343—100.  
 Wilkes, Gilbert, to the United States of America as represented by the Secretary of the Navy. 2,706,797, Cl. 315—39.  
 Wilkes, Norman A. 2,713,882, Cl. 151—28.  
 Wilkey, Edward B.: See—  
     Christensen, Niel. 2,721,425.  
 Wilkie, Leo O., to Scott & Williams, Inc. 2,717,510, Cl. 66—28.  
 Wilkie, Robert C., to Pacific Mills. 2,706,834, Cl. 19—56.  
 Wilkie, Robert C., to Pacific Mills. 2,707,806, Cl. 19—66.  
 Wilkin, William A. 2,727,517, Cl. 128—276.  
 Wilkins, Edward W., to Wilkins & Mitchell Ltd. 2,724,255, Cl. 68—133.  
 Wilkins, Leslie W.: See—  
     Trevaskis, Henry W., and Wilkins. 2,724,408.  
 Wilkins & Mitchell Ltd.: See—  
     Wilkins, Edward W. 2,724,255.  
 Wilkinson, Alvin H., to Franks Mfg. Corp. 2,705,059, Cl. 188—170.  
 Wilkinson, Gordon O. 2,707,454, Cl. 119—51.  
 Wilkinson, Herberta B.: See—  
     Wilkinson, William A., Jr. 2,708,755.  
 Wilkinson, James R.: See—  
     Wood, Ernest H., and Wilkinson. 2,701,241.  
     Wood, Ernest H., and Wilkinson. 2,704,749.  
 Wilkinson, James W. 2,722,697, Cl. 9—14.  
 Wilkinson, Laurant B.: See—  
     Ryan, George E., and Wilkinson. 2,721,361.  
 Wilkinson, Lester: See—  
     Hoppe, Lloyd G. 2,717,104.  
 Wilkinson Mfg. Co.: See—  
     Arkoosh, Fred G., and Carpenter. 2,713,995.  
     Wiley, Ray O. 2,718,120.  
 Wilkinson Sword Co. Ltd., The: See—  
     Hall, Henry W., Strain, and Mathisen. 2,719,197.  
     Mathisen, Anders. 2,701,827.  
     Mathisen, Anders. 2,712,881.  
 Wilkinson, Walter, to Air Reduction Co., Inc. 2,708,831, Cl. 62—122.  
 Wilkinson, William A., Jr., deceased; H. B. Wilkinson, administratrix. 2,708,755, Cl. 5—8.  
 Wilkinson, William K.: See—  
     Couper, Monroe, and Wilkinson. 2,709,163.  
 Wilkison, Jim P. 2,708,301, Cl. 27—2.  
 Wilkison, Jim P. 2,708,302, Cl. 27—2.  
 Willach, Bernhard: See—  
     Rose, Alexander D., and Willach. 2,727,389.



- Willard, George B., and O. A. Wallace, to Enterprise Railway Equipment Co. 2,726,744, Cl. 189—46.
- Willard, Gerald W., to Bell Telephone Laboratories, Inc. 2,723,556, Cl. 73—67.
- Willard, Joseph E. 2,717,432, Cl. 20—92.
- Willard, Miles J., Jr.: *See*—  
Griffin, Edward L., Jr., Sinnamon, and Willard. 2,719,970.
- Willard, William D. 2,707,888, Cl. 76—79.
- Willardson, Robert K., H. L. Goering, and A. E. Middleton, to The Battelle Development Corp. 2,710,253, Cl. 75—149.
- Willardson, Robert K., A. C. Beer, and A. E. Middleton, to Bradley Mining Co. 2,719,253, Cl. 317—237.
- Willat, Leon F. 2,709,442, Cl. 132—9.
- Willcox, Thomas N., to General Electric Co. 2,713,697, Cl. 18—5.
- Willcox, Thomas N., R. L. Borchert, and G. N. Harris, to General Electric Co. 2,710,988, Cl. 18—16.
- Willcox, William L. 2,706,468, Cl. 123—41.11.
- Willcox, William L. 2,725,185, Cl. 230—271.
- Wille, Karl, to American Cyanamid Co. 2,705,682, Cl. 117—11.
- Willert, August W., Jr.: *See*—  
Irwin, George C. 2,711,392.  
Irwin, George C., and Willert. 2,711,346.
- Willett, Albert V., Jr., and J. R. Pailthorp, to E. I. du Pont de Nemours & Co. 2,716,646, Cl. 260—294.9.
- Willfond, Clark A., to United States Steel Corp. 2,705,084, Cl. 214—654.
- Willgoos, Andrew V. D., deceased, by Hartford National Bank and Trust Co., executor, to United Aircraft Corp. 2,711,631, Cl. 60—39.37.
- William-Wallace Co.: *See*—  
Kinkead, Alan. 2,718,841.
- Williams, Alan E., and J. A. Leger. 2,701,460, Cl. 68—157.
- Williams, Albert E. 2,717,225, Cl. 154—128.
- Williams, Albert J., Jr., and W. R. Clark, to Leeds and Northrup Co. 2,715,209, Cl. 324—99.
- Williams, Albert J., Jr., W. R. Clark, and W. McAdam, to Leeds and Northrup Co. 2,724,022, Cl. 179—171.
- Williams, Albert S. 2,719,652, Cl. 222—81.
- Williams, Alfred L. W., to Clevite Corp. 2,710,191, Cl. 274—4.
- Williams, Alfred O. 2,715,348, Cl. 84—1.28.
- Williams, Angela L. 2,728,079, Cl. 2—42.
- Williams, Arthur E. 2,716,556, Cl. 280—6.
- Williams, Beverly E., to Lamitex Products, Inc. 2,713,002, Cl. 99—174.
- Williams, Bruce: *See*—  
Stringham, William S., and Summers. 2,724,645.  
Stringham, William S., and Summers. 2,724,646.
- Williams, C. K., & Co.: *See*—  
Marsh, Benjamin H. 2,716,595.
- Williams, Carl E. 2,709,795, Cl. 339—270.
- Williams, Charles R., to Northrup Aircraft, Inc. 2,707,766, Cl. 323—22.
- Williams, Charles R., to Northrop Aircraft, Inc. 2,723,365, Cl. 315—169.
- Williams, Chester I. 2,702,420, Cl. 25—131.
- Williams, Chester I. 2,724,165, Cl. 25—131.
- Williams, Chester P., to the United States of America as represented by the Secretary of the Army. 2,712,106, Cl. 318—467.
- Williams, Clarence E. 2,726,413, Cl. 12—103.
- Williams, Clayton H.: *See*—  
O'Connor, Thomas J., and Williams. 2,714,000.
- Williams, Clifton S., and E. W. Johnson, to Westinghouse Electric Corp. 2,727,972, Cl. 219—10.
- Williams, David C., to MacGregor Instrument Co. 2,714,888, Cl. 128—215.
- Williams, David, Sr. 2,707,126, Cl. 294—106.
- Williams, DeWayne K., to Williams Mfg. Co., Inc. 2,724,510, Cl. 211—104.
- Williams, Donald F. 2,703,689, Cl. 248—107.
- Williams, Earl C. 2,711,105, Cl. 74—681.
- Williams, Edgar T. 2,699,735, Cl. 105—366.
- Williams, Edward B., Jr. 2,708,103, Cl. 255—72.
- Williams, Edward B., Jr. 2,708,105, Cl. 255—72.
- Williams, Edward J., to Read Standard Corp. 2,706,033, Cl. 198—182.
- Williams, Edward T. 2,701,459, Cl. 67—7.1.
- Williams, Edwin K., to Western Electric Co., Inc. 2,700,929, Cl. 101—114.
- Williams, Ellis H. 2,714,900, Cl. 138—96.
- Williams, Elmer R. 2,726,729, Cl. 183—2.7.
- Williams, Elmer W., and H. J. Bowman, to Trent Tube Co. 2,716,692, Cl. 219—10.
- Williams, Ernest, to General Electric Co. 2,721,236, Cl. 200—50.
- Williams, Evan O. 2,704,449, Cl. 72—16.
- Williams, Evan O. 2,721,630, Cl. 189—1.5.
- Williams, Everard M., and E. V. Cousy. 2,703,399, Cl. 343—7.
- Williams, F. Norton, Jr.: *See*—  
Hammond, Edmund B., Jr., Wing, and Williams. 2,704,489.
- Williams, Ferd E.: *See*—  
Roberts, Shepard, and Williams. 2,721,808.
- Williams, Frank W., to The Manhattan Shirt Co. 2,704,123, Cl. 164—15.
- Williams, Fred D., Jr., to S. Ruben. 2,712,565, Cl. 136—107.
- Williams, Frederic C., to Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. 2,704,809, Cl. 250—27.
- Williams, Frederic C., T. Kilburn, and G. E. Thomas, to National Research Development Corp. 2,700,588, Cl. 346—74.
- Williams, Frederic C., T. Kilburn, and G. C. Tootill, to National Research Development Corp. 2,709,230, Cl. 315—22.
- Williams, Frederic C., and T. Kilburn, to National Research Development Corp. 2,727,988, Cl. 250—27.
- Williams, French B.: *See*—  
Bohannon, George S., Williams, and Graham. 2,718,662.
- Williams, George M., to United States Rubber Co. 2,724,675, Cl. 154—133.
- Williams, George W.: *See*—  
Ames, Robert G. 2,711,098.
- Williams, Gordon E. 2,699,515, Cl. 313—111.
- Williams, Gordon M., and J. Hensel, to Pittsburgh Coke & Chemical Co. 2,728,771, Cl. 260—290.
- Williams, Harold O. 2,724,417, Cl. 145—31.
- Williams, Harry L., and J. W. L. Fordham, to Polymer Corp. Ltd. 2,724,708, Cl. 260—82.5.
- Williams, Harry, Mfg. Co.: *See*—  
Horlick, Gordon T. 2,726,649.
- Williams, Harvey L. 2,701,903, Cl. 24—205.15.
- Williams, Henry L. 2,724,125, Cl. 4—253.
- Williams, Howard J., and W. J. Hall, to Bendix Aviation Corp. 2,705,047, Cl. 158—36.3.
- Williams, J. H., & Co.: *See*—  
Johnson, Walter J. 2,706,424.  
Johnson, Walter J. 2,719,449.
- Williams, Jack L.: *See*—  
Ross, Oren E., and Williams. 2,705,131.
- Williams, James H., to Grinnell Corp. 2,715,787, Cl. 37—188.
- Williams, John: *See*—  
Graham, Bruce, and Williams. 2,706,684.
- Williams, John C.: *See*—  
Hawley, Don M., and Williams. 2,698,558.  
Hawley, Don M., and Williams. 2,702,241.
- Williams, John C., to Hawley Products Co. 2,723,968, Cl. 260—79.5.
- Williams, John G., to Cochrane Corp. 2,713,556, Cl. 210—24.
- Williams, John H. 2,704,575, Cl. 164—6.
- Williams, John L. 2,720,379, Cl. 251—214.
- Williams, John L., and W. F. Ritcheson. 2,714,019, Cl. 280—480.
- Williams, Jones C. 2,715,292, Cl. 43—25.2.
- Williams, Judson. 2,714,372, Cl. 121—57.
- Williams, Julian C., to The Dow Chemical Co. 2,724,655, Cl. 106—106.
- Williams, Lawrence S., to Toledo Scale Co. 2,706,598, Cl. 235—61.
- Williams, Lawrence S., to Toledo Scale Co. 2,728,261, Cl. 88—1.
- Williams, Lee B., and C. M. McFarlin; said Williams assor. to said McFarlin. 2,702,584, Cl. 155—123.
- Williams, Lloyd L.: *See*—  
Pope, Erastus M., and Williams. 2,707,443.
- Williams Mfg. Co., Inc.: *See*—  
Williams, DeWayne K. 2,724,510.
- Williams Mfg. Co., Inc., The: *See*—  
Lorang, William J. 2,702,733.
- Williams, Moses M., 50% to R. S. Jackson. 2,704,114, Cl. 155—112.
- Williams, Norman C., and R. W. Fishwood, to Power Brake Equipment Co. 2,718,876, Cl. 121—38.
- Williams, Ollie D. 2,715,261, Cl. 29—252.
- Williams, Oscar S. 2,705,169, Cl. 296—111.
- Williams, Oscar S. 2,707,031, Cl. 180—54.
- Williams, Paul D., to Eitel-McCullough, Inc. 2,721,155, Cl. 148—13.1.
- Williams, Philip S., to the United States of America as represented by the Secretary of the Navy. 2,711,695, Cl. 102—79.
- Williams, Philip S., to Esso Research and Engineering Co. 2,716,018, Cl. 255—24.
- Williams, Philip S., to Esso Research and Engineering Co. 2,716,730, Cl. 324—8.
- Williams, Philip S., to Esso Research and Engineering Co. 2,723,374, Cl. 324—1.
- Williams, Philip S., to Esso Research and Engineering Co. 2,727,727, Cl. 255—61.
- Williams, Ray S., to Hagan Corp. 2,719,534, Cl. 137—84.
- Williams, Richard H.: *See*—  
Webb, Herbert J., and Williams. 2,703,755.
- Williams, Richard P.: *See*—  
Goldman, Leon, and Williams. 2,724,712.  
Goldman, Leon, and Williams. 2,724,713.
- Williams, Robert F., Jr., to Eastman Kodak Co. 2,713,546, Cl. 106—176.
- Williams, Robert K.: *See*—  
Kearfott, Arman J., and Williams. 2,702,771.
- Williams, Robert T., to Butterworth System, Inc. 2,728,589, Cl. 284—17.
- Williams, Roger W.: *See*—  
Bardeen, Thomas, and Williams. 2,717,369.
- Williams, Roy C. 2,723,627, Cl. 103—220.
- Williams, Russell J., and M. J. Heimos, to Bemis Bro. Bag Co. 2,716,372, Cl. 93—30.
- Williams, Russell T., to Little Giant Products, Inc. 2,709,269, Cl. 15—50.
- Williams, Samuel B., to Chrysler Corp. 2,700,530, Cl. 253—39.1.
- Williams, Stanley B., to General Electric Co. 2,716,735, Cl. 336—70.
- Williams, Thelma E. 2,700,413, Cl. 155—24.



- Williams, Theodore E. 2,726,090, Cl. 279—4.  
 Williams, Thurman V., Jr.: *See*—  
   Danby, Spencer, Jr., Ellett, Guess, and Williams. 2,713,698.  
 Williams, Todd. 2,700,250, Cl. 46—232.  
 Williams, Virgil C., to Mississippi River Fuel Corp. 2,713,780, Cl. 62—175.5.  
 Williams, Virgil C., to Mississippi River Fuel Corp. 2,713,781, Cl. 62—175.5.  
 Williams, William A., to The American Pulley Co. 2,709,374, Cl. 74—230.17.  
 Williams, William E., to R. D. Newcomb. 2,709,060, Cl. 248—298.  
 Williams, William J. 2,720,563, Cl. 200—80.  
 Williams, William M.: *See*—  
   Steinmeyer, Ralph H., and Williams. 2,712,688.  
 Williams, William W.: *See*—  
   Strobel, Albert F., and Williams. 2,723,996.  
 Williams, William W., and H. B. Freyermuth, to General Aniline & Film Corp. 2,700,665, Cl. 260—239.7.  
 Williams, William W., and H. B. Freyermuth, to General Aniline & Film Corp. 2,709,702, Cl. 260—309.6.  
 Williams, William W., and H. B. Freyermuth, to General Aniline & Film Corp. 2,713,046, Cl. 260—247.1.  
 Williams & Williams Ltd.: *See*—  
   Musgrave, Harold G. 2,727,597.  
 Williamsen Body & Equipment Co.: *See*—  
   Williamsen, Leland C. 2,701,654.  
   Williamsen, Leland C. 2,707,654.  
 Williamsen, Leland C., to Williamsen Body and Equipment Co. 2,701,654, Cl. 214—75.  
 Williamsen, Leland C., to Williamsen Body & Equipment Co. 2,707,654, Cl. 298—22.  
 Williamson, Charles D. 2,705,806, Cl. 2—115.  
 Williamson, Charles D. 2,721,326, Cl. 2—79.  
 Williamson, Edwin H.: *See*—  
   Newcomb, Walter J., and Williamson. 2,701,957.  
 Williamson, Frank C.: *See*—  
   Donovan, John J., Jr., Williamson, and Woody. 2,718,676.  
 Williamson, George L., to Gibson Electric Co. 2,706,759, Cl. 200—166.  
 Williamson, James S.: *See*—  
   Newcomb, Walter J., and Williamson. 2,707,383.  
 Williamson, James W., to The Ohio Crankshaft Co. 2,715,171, Cl. 219—10.79.  
 Williamson, John A. 2,702,143, Cl. 220—44.  
 Williamson, Lester C. 2,726,319, Cl. 240—9.  
 Williamson, Lowell W. 2,701,700, Cl. 248—146.  
 Williamson, Marshall I., to National Folding Box Co., Inc. 2,713,450, Cl. 229—40.  
 Williamson, Marshall I., to National Folding Box Co., Inc. 2,713,452, Cl. 229—40.  
 Williamson, Marshall I., to National Folding Box Co., Inc. 2,713,453, Cl. 229—40.  
 Williamson, Marshall I., and F. G. Fisher, to National Folding Box Co., Inc. 2,713,451, Cl. 229—40.  
 Williamson, Marshall I., and H. A. Carruth, to National Folding Box Co., Inc. 2,717,074, Cl. 206—58.  
 Williamson, Norman B., to Jarman-Williamson Co. 2,711,027, Cl. 33—141.  
 Williamson, Oscar C., and R. A. Withers. 2,698,992, Cl. 30—6.1.  
 Williamson, Oscar C., and R. A. Withers. 2,698,993, Cl. 30—6.3.  
 Williamson, Stewart D. 2,715,445, Cl. 170—135.4.  
 Williamson, T. D., Inc.: *See*—  
   Van Scoy, Davis A. 2,722,855.  
 Williamson, Timothy S.: *See*—  
   Von Reis, Alf E. G., Kreisher, Quitter, and Williamson. 2,721,820.  
 Willis, Willis N. 2,707,068, Cl. 222—175.  
 Willigman, Melvin G.: *See*—  
   Shea, James F., and Willigman. 2,703,271.  
 Willimann, Louis: *See*—  
   Studer, Martin, and Willimann. 2,703,270.  
 Willinger, Harding W., and H. N. Nestler. 2,702,125, Cl. 210—57.  
 Willis, Alan E., to The Teleregister Corp. 2,711,523, Cl. 339—253.  
 Willis, Edward H.,  $\frac{1}{2}$  to O. C. Sundsby. 2,706,342, Cl. 34—9.5.  
 Willis, Floyd, Jr. 2,718,612, Cl. 315—83.  
 Willis, James L. 2,721,777, Cl. 311—21.  
 Willis, James M.: *See*—  
   Bebb, Robert L., Musch, Willis, and Miller. 2,702,285.  
 Willis, Paul: *See*—  
   Sale, William H. 2,724,464.  
 Willis, Sumner C.: *See*—  
   Brulin, Laurence W., and Willis. 2,704,627.  
 Willison, Donald, to National Malleable and Steel Castings Co. 2,724,513, Cl. 213—50.  
 Willits, Charles O., and W. L. Porter, to the United States of America as represented by the Secretary of Agriculture. 2,715,581, Cl. 99—142.  
 Willits, George W., to Johnson & Johnson. Re. 24,037, Cl. 206—57.  
 Willits, Glenn D., and C. J. Herman, to General Electric Co. 2,701,316, Cl. 310—214.  
 Willmott, Herbert J., to United Shoe Machinery Corp. 2,719,990, Cl. 12—85.  
 Willner, Monroe J., to the United States of America as represented by the United States Atomic Energy Commission. 2,728,220, Cl. 73—70.  
 Willoughby, John A. 2,717,570, Cl. 115—42.  
 Wills, Alfred E.: *See*—  
   Holyoak, John K., Robbins, Smart, and Wills. 2,722,023.  
 Wills, Bob W. 2,722,980, Cl. 160—123.  
 Wills, H. S.: *See*—  
   Rose, Archie B. 2,725,206.  
 Wills, Marion C. and W. J., and E. E. Dorkins; said Dorkins assor. to said M. C. and W. J. Wills. Re. 23,989, Cl. 214—138.  
 Wills, Marion C. and W. J. 2,722,066, Cl. 37—144.  
 Wills, Sydney A., and E. F. J. Gathercole, to Tolimit Gauges Ltd. 2,718,064, Cl. 33—199.  
 Wills, Sydney A., and E. F. J. Gathercole, to Tolimit Gauges Ltd. 2,720,034, Cl. 33—199.  
 Wills, Wayne J.: *See*—  
   Wills, Marion C. and W. J. 2,722,066.  
   Wills, Marion C. and W. J., and Dorkins. Re. 23,989.  
 Willis, William J., and R. A. Schatz, to Westinghouse Electric Corp. 2,709,777, Cl. 323—43.5.  
 Willsey, Charles H. 2,723,695, Cl. 146—2.  
 Willson, Corwin D. 2,703,289, Cl. 106—93.  
 Willson, David S., and J. C. Woodford, to John Wood Co. 2,702,674, Cl. 242—86.  
 Willson, Gilbert G., Jr., to Minnesota Mining & Mfg. Co. 2,706,936, Cl. 94—5.  
 Willson Products, Inc.: *See*—  
   Hoffmaster, George R. 2,700,765.  
   Matheson, James N., and Wiswesser. 2,706,983.  
   Pipher, George J. 2,708,932.  
 Willyoung, David M., to General Electric Co. 2,712,085, Cl. 310—262.  
 Wilmington, Edna T. 2,717,472, Cl. 45—28.  
 Wilmot Engineering Co.: *See*—  
   Roller, Wilfred. 2,720,971.  
 Wilms, Carl A.: *See*—  
   Robbins, James S., and Wilms. 2,711,887.  
   Robbins, James S., and Wilms. 2,711,888.  
   Robbins, James S., and Wilms. 2,711,890.  
   Robbins, James S., and Wilms. 2,711,891.  
   Robbins, James S., and Wilms. 2,725,222.  
 Wilsdon, Sydney C.: *See*—  
   Oliver, Donald A., and Wilsdon. 2,721,378.  
 Wilsing, Elmer F. 2,725,065, Cl. 134—157.  
 Wilson, Allen T., to Radio Corp. of America. 2,716,352, Cl. 74—424.8.  
 Wilson, Alton B. 2,723,400, Cl. 4—251.  
 Wilson, Ashley F., and J. J. Clement, to Lisk-Savory Corp. 2,717,000, Cl. 137—343.  
 Wilson Athletic Goods Mfg. Co., Inc.: *See*—  
   Cook, Raymond C. 2,707,009.  
 Wilson, Ben W.: *See*—  
   Hunter, Herbert T., and Wilson. 2,709,974.  
 Wilson, Bert A., to Blaw-Knox Co. 2,701,496, Cl. 82—25.  
 Wilson, Broadus. 2,715,056, Cl. 21—53.  
 Wilson, Charles T., Jr.: *See*—  
   Wuerth, John M., Mullins, Smith, Goldberg, and Wilson. 2,713,637.  
 Wilson, Clarence W., to Sunkist Growers, Inc. 2,700,047, Cl. 260—345.2.  
 Wilson & Co., Inc.: *See*—  
   Garapolo, Orlando. 2,723,645.  
 Wilson, Daniel F. 2,710,059, Cl. 160—177.  
 Wilson, David A., to Hayssen Mfg. Co. 2,700,947, Cl. 112—10.  
 Wilson, David E. 2,710,437, Cl. 24—69.  
 Wilson, Delbert I.: *See*—  
   Zander, Waldo H. and F. D., and Wilson. 2,726,819.  
 Wilson, Delbert I., to McGraw Electric Co. 2,726,820, Cl. 242—9.  
 Wilson, Donald J.: *See*—  
   Sears, Carlton A., and Wilson. 2,723,991.  
 Wilson, Douglas: *See*—  
   Aarons, Ralph, and Wilson. 2,723,212.  
 Wilson, Doyné L., to Oil Base, Inc. 2,698,833, Cl. 252—8.5.  
 Wilson, Edward S., to International Business Machines Corp. 2,727,685, Cl. 235—61.11.  
 Wilson, Eldon M.: *See*—  
   Townsend, Claude M., and Wilson. 2,706,501.  
 Wilson, Ernest A. 2,718,445, Cl. 311—21.  
 Wilson, Floyd A.: *See*—  
   Meier, Axel W. 2,699,935.  
 Wilson, Fred E.: *See*—  
   Wray, George O., and Wilson. 2,716,974.  
 Wilson, Frank R. 2,706,853, Cl. 30—102.  
 Wilson, Frank R. 2,711,576, Cl. 29—284.  
 Wilson, Frank R. 2,711,771, Cl. 153—81.  
 Wilson, Frank R. 2,711,772, Cl. 153—79.  
 Wilson, Frank R. 2,711,773, Cl. 153—81.  
 Wilson, Frank R. 2,711,774, Cl. 153—81.  
 Wilson, Gene A. 2,717,702, Cl. 214—16.  
 Wilson, George, and J. C. Reid. 2,715,337, Cl. 73—290.  
 Wilson, George W. 2,714,433, Cl. 190—6.  
 Wilson, Golder P., to Olin Mathieson Chemical Corp. 2,714,752, Cl. 22—57.2.  
 Wilson, Graham R., and A. Asbury, to The English Electric Co. Ltd. 2,725,509, Cl. 318—6.  
 Wilson, Harold: *See*—  
   Hardeman, William E., Fletcher, Wilson, and Barlow. 2,722,389.  
 Wilson, Harold E. 2,716,022, Cl. 259—1.  
 Wilson, Harold F.: *See*—  
   Craig, W. E., Shropshire, and Wilson. 2,720,548.



- Wilson, Herman W., Jr.: *See*—  
 Dickey, Norman, and Sawyer. 2,700,496.  
 Sawyer, Marshall W., Wilson, Kenway, and Overholser. 2,712,210.
- Wilson, Howard L.: *See*—  
 Newberg, Raymond G., Wilson, and Sayko. 2,706,719.
- Wilson, Ira G.: *See*—  
 Kannenberg, Walter F., and Wilson. 2,720,630.
- Wilson, Ivan V., and R. Marotta, to Monsanto Chemical Co. 2,702,283, Cl. 260—6.
- Wilson, J Pearl. 2,723,678, Cl. 137—493.
- Wilson, Jack, to Universal Railway Devices Co. 2,723,832, Cl. 254—149.
- Wilson, Jack, to Universal Railway Devices Co. 2,724,286, Cl. 74—510.
- Wilson, Jack C. 2,719,385, Cl. 46—175.
- Wilson, Jack P.: *See*—  
 Redman, Frank R., Hamilton, and Wilson. 2,700,202.
- Wilson, Jack P., to Proctor and Schwartz, Inc. 2,710,764, Cl. 292—73.
- Wilson, Jack P., and W. H. Scott, to Proctor & Schwartz, Inc. 2,725,583, Cl. 15—40.
- Wilson, James A., to Esso Research and Engineering Co. 2,706,905, Cl. 73—61.
- Wilson, James E.: *See*—  
 Prescott, Basil O., and Wilson. 2,710,169.  
 Prescott, Basil O., and Wilson. 2,719,024.
- Wilson, James S., to M and W Co., Inc. 2,698,464, Cl. 18—55.
- Wilson, Jesse A., Jr.: *See*—  
 Faust, Delbert G., and Wilson. 2,726,732.
- Wilson, John A. 2,718,147, Cl. 73—328.
- Wilson, John H. 2,706,487, Cl. 137—102.
- Wilson-Jones Co.: *See*—  
 Marano, Herbert W. 2,717,643.  
 Marano, Herbert W. 2,719,294.  
 Marano, Herbert W. 2,719,295.  
 Marano, Herbert W. 2,719,296.  
 Marano, Herbert W. 2,724,832.  
 Marano, Herbert W. 2,726,392.
- Rundblad, George J., and Cairelli. 2,717,099.
- Rundblad, George J., and Cairelli. 2,726,659.
- Segal, Samuel. 2,705,796.
- Segal, Samuel. 2,726,721.
- Wilson, Joseph E., to Union Carbide and Carbon Corp. 2,707,178, Cl. 260—45.5.
- Wilson, Joseph G. 2,712,929, Cl. 261—113.
- Wilson, Keith E., to General Controls Co. 2,722,451, Cl. 297—8.
- Wilson, Kermit H. 2,702,585, Cl. 155—124.
- Wilson, Kermit H. 2,721,778, Cl. 311—89.
- Wilson, Kirke R.: *See*—  
 Silliman, Grant F. 2,707,819.
- Wilson, Leroy A. 2,712,222, Cl. 60—66.
- Wilson, Ludwig, to Illinois Duster & Brush Co. 2,705,336, Cl. 15—145.
- Wilson Mfg. Co.: *See*—  
 Rowan, Thomas M. 2,715,954.
- Wilson, Martin W.: *See*—  
 Zimmerley, Stuart R., and Wilson. 2,724,500.
- Wilson, Philip J., Jr., to United States Steel Corp. 2,710,663, Cl. 183—2.
- Wilson, Ray O., to The Woodman Co., Inc. 2,722,358, Cl. 226—49.
- Wilson, Raymond W.: *See*—  
 Cahow, Theodore W., and Wilson. 2,712,276.
- Frevik, Ralph C., Sewell, and Wilson. 2,701,733.
- McNally, Harold T., Sewell, and Wilson. 2,722,879.
- Sewell, Walter W., and Wilson. 2,712,389.
- Wilson, Raymond W., to Ford Motor Co. 2,704,015, Cl. 97—46.95.
- Wilson, Raymond W., to Ford Motor Co. 2,704,016, Cl. 97—47.1.
- Wilson, Raymond W., to Ford Motor Co. 2,704,017, Cl. 97—47.1.
- Wilson, Raymond W., to Ford Motor Co. 2,704,020, Cl. 97—47.89.
- Wilson, Raymond W., to Ford Motor Co. 2,712,278, Cl. 97—47.8.
- Wilson, Raymond W., to Ford Motor Co. 2,716,502, Cl. 214—313.
- Wilson, Reagan T.: *See*—  
 Lanning, William C., and Wilson. 2,715,603.
- Wilson, Robert F., to The Firestone Tire & Rubber Co. 2,700,181, Cl. 18—45.
- Wilson, Robert G. 2,722,882, Cl. 99—421.
- Wilson, Robert W.: *See*—  
 Anderson, Donald B., and Wilson. 2,720,451.
- Wilson, Robert W. 2,715,992, Cl. 230—31.
- Wilson, Roger. 2,727,521, Cl. 131—256.
- Wilson, Ross B., and M. R. Berg. 2,706,134, Cl. 299—60.
- Wilson, Rosser L., to American Brake Shoe Co. 2,711,230, Cl. 188—181.
- Wilson, Roy C., Jr., to Plastic Irrigation Products Co. 2,721,764, Cl. 299—106.
- Wilson, Roy K.: *See*—  
 Tharpe, William L., and Wilson. 2,719,665.
- Wilson, Russell E. 2,704,486, Cl. 88—28.
- Wilson, Russel T.: *See*—  
 Allison, Will H., and Wilson. 2,708,009.
- Wilson, Samuel A., to Maloney-Crawford Tank and Mfg. Co. 2,717,081, Cl. 210—52.5.
- Wilson, Samuel E. 2,725,254, Cl. 294—50.9.
- Wilson, Theodore J., to Minneapolis-Honeywell Regulator Co. 2,727,992, Cl. 250—27.
- Wilson, Thomas P.: *See*—  
 Davis, Hubert G., and Wilson. 2,717,259.  
 Davis, Hubert G., Wilson, and Kurtz. 2,717,260.
- Wilson, Thomas W., to The Terrell Machine Co. 2,707,309, Cl. 19—134.
- Wilson, Volney C., to General Electric Co. 2,708,518, Cl. 209—214.
- Wilson, Volney C., to the United States of America as represented by the United States Atomic Energy Commission. 2,728,867, Cl. 310—3.
- Wilson, Wash D., and F. C. Howland, to Revere Copper and Brass Inc. 2,708,511, Cl. 207—2.
- Wilson, William B., to Shell Development Co. 2,699,256, Cl. 209—172.
- Wilson, William G. M., to Aluminium Laboratories, Ltd. 2,720,967, Cl. 206—65.
- Wilson's, William M., Sons, Inc.: *See*—  
 Dunning, Leighton. 2,705,459.
- Wilt, Abram D., Jr. 2,712,775, Cl. 90—11.48.
- Wilt, Gerald B. 2,722,343, Cl. 222—98.
- Wiltzie, James N., and K. G. Hopkins, to G & Z Automatic Products Co. 2,704,672, Cl. 279—5.
- Wimberly, Floyd T., to Raytheon Mfg. Co. 2,717,378, Cl. 343—14.
- Wimberly, Joseph J., to Tennessee Corp. 2,721,135, Cl. 75—5.
- Wimmer, Glen E. 2,714,369, Cl. 120—96.
- Wimmer, Ludwig, and E. Ardell, to Emhart Mfg. Co. 2,713,448, Cl. 226—14.
- Winberg, Hilmer E., to E. I. du Pont de Nemours and Co. 2,705,228, Cl. 260—85.5.
- Wince, Yearl S., to Holophane Co., Inc. 2,710,340, Cl. 240—146.
- Winney, Elinor H.: *See*—  
 Winney, Guy C. H. and E. H. 2,710,643.
- Winney, Guy C. H. and E. H. 2,710,643, Cl. 155—78.
- Winchell, Frank J., to General Motors Corp. 2,726,906, Cl. 308—201.
- Winchester, Amos J., to Westinghouse Electric Corp. 2,715,702, Cl. 318—7.
- Winder, Samuel E., ½ to H. C. Daubenspeck. 2,722,084, Cl. 49—9.
- Windischman, Edward F., W. L. Hartop, Jr., and G. R. Ryan, to Abbott Laboratories. 2,716,983, Cl. 128—221.
- Windle, Calvin H.: *See*—  
 McMahon, John W., Blank, Windle, and Poole. 2,703,183.
- Windman Brothers: *See*—  
 Windman, Irving. 2,711,864.
- Windman, Irving, to Windman Brothers. 2,711,864, Cl. 242—77.
- Windmoeller & Hoelscher Co.: *See*—  
 Schmidt, Harry P. 2,724,331.
- Windsor Case Co., Inc.: *See*—  
 Daum, Bernard. 2,725,914.
- Windsor Mfg. Co. of Clifton, New Jersey: *See*—  
 Perryman, George H. 2,721,600.
- Windsor, R. H., Ltd.: *See*—  
 Smith, Samuel C. H. 2,724,146.
- Winegard Co.: *See*—  
 Winegard, John R. 2,700,105.
- Winegard, John R., to Winegard Co. 2,700,105, Cl. 250—33.51.
- Wines, William B.: *See*—  
 Nelson, Oscar G., and Wines. 2,718,320.
- Winet, Hans, to Landis & Gyr, A. G. 2,726,041, Cl. 236—99.
- Winfield, Edwin. 2,722,582, Cl. 200—138.
- Winfield, William S., to General Electric Co. 2,719,916, Cl. 250—20.
- Winfield, William S., to Sylvania Electric Products, Inc. 2,726,326, Cl. 250—20.
- Winfree, Robert N., and R. T. Watts, III. 2,715,973, Cl. 214—308.
- Wing, Arthur K., Jr., and T. J. Marchese, to International Telephone and Telegraph Corp. 2,726,349, Cl. 313—273.
- Wing Engineering Corp.: *See*—  
 Beck, Kenneth H., and Schreiner. 2,705,321.
- Wing, Willis G.: *See*—  
 Hammond, Edmund B., Jr., Wing, and Williams. 2,704,489.
- Wing, Willis G., to Sperry Rand Corp. 2,716,214, Cl. 323—52.
- Wing, Willis G., to Sperry Rand Corp. 2,719,291, Cl. 340—345.
- Wing, Willis G., to Sperry Rand Corp. 2,720,115, Cl. 74—5.6.
- Wing, Willis G., to Sperry Rand Corp. 2,720,626, Cl. 324—92.
- Wingate, Sidney A., to the United States of America as represented by the Secretary of the Navy. 2,702,861, Cl. 250—36.
- Winger Dairy Products Processing & Mfg. Corp.: *See*—  
 Herbold, Robert J. 2,713,818.
- Winger, Robert A.: *See*—  
 McHard, James A., and Winger. 2,699,411.
- Wingfield, Isaac S. 2,699,177, Cl. 137—466.
- Wingfoot Corp.: *See*—  
 Endres, Herbert A., Shaw, and Pullar. 2,700,655.
- Winicov, Murray W.: *See*—  
 Shelanski, Morris V., and Winicov. 2,710,277.
- Wink, Arthur B. 2,723,005, Cl. 188—32.
- Winkelman, William. 2,710,640, Cl. 154—31.
- Winkelsträter, Fritz, to M. A. Bitzer. 2,716,836, Cl. 43—146.
- Winkenbach, Anna: *See*—  
 Hersh, Maria A., and Winkenbach. 2,706,562.
- Winkle, Adolf, to Incoma S. p. A. 2,703,114, Cl. 142—15.
- Winklepleck, Roy G., to APRA Precipitator Corp. 2,712,362, Cl. 183—7.



- Winkler, Albert H., to Bendix Aviation Corp. 2,719,706, Cl. 261—39.
- Winkler, Albert H., and F. Barfod, to Bendix Aviation Corp. 2,712,928, Cl. 261—36.
- Winkler, Joseph, to Fumol Corp. 2,722,483, Cl. 99—222.
- Winkler, Joseph, to American Collo Corp. 2,725,396, Cl. 260—514.
- Winkler, Marion R., to Motorola, Inc. 2,710,341, Cl. 246—28.
- Winkler, Otto, to A. Vogt. 2,703,673, Cl. 230—101.
- Winkler, Otto C., to A. Vogt. 2,713,183, Cl. 22—73.
- Winkler, Raymond W., and A. F. Kaulakis, to Esso Research and Engineering Co. 2,728,714, Cl. 196—52.
- Winkler, Richard, to Bocjl Corp. 2,712,768, Cl. 85—17.
- Winkler, Wilhelm: *See—*  
Alix, Hans, and Winkler. 2,709,960.
- Winkler, Wynn G.: *See—*  
Anderson, Robert I., Winkler, and Wurn. 2,707,105.
- Winn, Sidney B. 2,710,201, Cl. 280—430.
- Winnicki, Henry S., to Food Machinery and Chemical Corp. 2,708,620, Cl. 23—165.
- Winnicki, Henry S., and C. P. Roberts, to Food Machinery and Chemical Corp. 2,708,619, Cl. 23—107.
- Winograd, Harold, to Allis-Chalmers Mfg. Co. 2,712,086, Cl. 313—33.
- Winona Tool Mfg. Co.: *See—*  
Fuglie, Elmer A. 2,700,851.
- Winquist, Carl V., to Mill Engineering & Supply Co. 2,723,689, Cl. 143—84.
- Winqvist, Gustav A. L.: *See—*  
Fransson, George L., and Winqvist. 2,718,413.
- Winsche, Warren E., L. G. Stang, Jr., W. D. Tucker, and G. J. Selvin, to the United States of America as represented by the United States Atomic Energy Commission. 2,710,249, Cl. 23—216.
- Winship, Edward J.: *See—*  
Rockstrom, Leonard, and Winship. 2,704,208.
- Winship, John T., to The Standard Oil Co. 2,712,885, Cl. 222—26.
- Winslow, Arthur F.: *See—*  
Hull, Edwin H., and Winslow. 2,698,514.
- Winslow, Arthur F., deceased (E. L. Winslow, administratrix), to the United States of America as represented by the Secretary of the Army. 2,719,584, Cl. 158—76.
- Winslow, Elizabeth L.: *See—*  
Hull, Edwin H., and Winslow. 2,698,514.
- Winslow, Arthur F. 2,719,584.
- Winslow, Field H., to Bell Telephone Laboratories, Inc. 2,712,536, Cl. 260—45.5.
- Winslow Mfg. Co.: *See—*  
Price, Leo. 2,709,854.
- Winslow, William R. Re. 23,936, Cl. 244—79.
- Winsor & Jerauld Mfg. Co.: *See—*  
Fish, Kenneth E. 2,703,020.
- Winstead, Thomas W. 2,702,411, Cl. 18—56.
- Winsted Hardware Mfg. Co., The: *See—*  
Collura, Francesco. 2,707,741.  
Collura, Francesco. 2,708,227.  
Collura, Francesco. 2,719,238.
- Winstrom, Leon O., to Allied Chemical & Dye Corp. 2,716,135, Cl. 260—580.
- Wintenberg, Adelbert C., to General Steel Castings Corp. 2,703,057, Cl. 105—188.
- Wintenberg, Adelbert C., to General Steel Castings Corp. 2,725,018, Cl. 105—139.
- Winter, Charles V. 2,705,147, Cl. 273—79.
- Winter, Charles W. R., to The Morgan Crucible Co., Ltd. 2,718,442, Cl. 308—237.
- Winter, Daniel F. 2,710,519, Cl. 56—377.
- Winter, David F., to Allen B. Du Mont Laboratories, Inc. 2,702,158, Cl. 235—61.
- Winter, Franklin P. 2,700,357, Cl. 114—86.
- Winter, John. 2,712,187, Cl. 37—98.
- Winter, Lester L.: *See—*  
Larson, Howard L., and Winter. 2,709,660.
- Winter, Paul H., to Pass & Seymour, Inc. 2,701,287, Cl. 200—172.
- Winter, Paul H., to Pass & Seymour, Inc. 2,727,956, Cl. 200—67.
- Winterburn, George A.: *See—*  
Cathers, Frank R., and Winterburn. 2,708,321.
- Winterhoff, Albert: *See—*  
Dahlhaus, Herman, and Winterhoff. 2,702,377.
- Wintermute, Harry A.: *See—*  
Hedberg, Carl W. J., Tripp, and Wintermute. 2,708,008.  
Hedberg, Carl W. J., and Wintermute. 2,708,487.
- Wintermute, Harry A., to Research Corp. 2,698,669, Cl. 183—7.
- Wintermute, Harry A., to Research Corp. 2,700,429, Cl. 183—7.
- Wintermute, Harry A., to Research Corp. 2,712,858, Cl. 183—7.
- Wintermute, Harry A., to Research Corp. 2,712,859, Cl. 183—80.
- Wintermute, Harry A., to Research Corp. 2,717,053, Cl. 183—7.
- Winters, Daniel J. 2,726,814, Cl. 241—46.
- Winters, Donald F.: *See—*  
Thorpe, Robert J., and Winters. 2,701,609.
- Winters, Ralph J.: *See—*  
Wahl, Eugene A., and Winters. 2,716,497.
- Winters, Ralph J., to P. Ballantine & Sons. 2,710,818, Cl. 134—18.
- Wintersberger, Karl: *See—*  
Jockers, Kurt, and Wintersberger. 2,719,778.  
Koudela, Gerhard, and Wintersberger. 2,719,076.
- Wintersberger, Karl, and O. Rommel, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,706,709, Cl. 204—163.
- Winther, Martin P., to Eaton Mfg. Co. 2,701,315, Cl. 310—105.
- Winther, Martin P., to Eaton Mfg. Co. 2,718,946, Cl. 192—21.5.
- Winther, Martin P., to Eaton Mfg. Co. 2,725,133, Cl. 192—21.5.
- Winther, Martin P., to Eaton Mfg. Co. 2,728,243, Cl. 74—472.
- Winther, Martin P., and R. L. Jaeschke, to Eaton Mfg. Co. 2,704,344, Cl. 318—204.
- Winther, Simon P., 40% to L. Kruger. 2,700,816, Cl. 30—43.
- Winther, Simon P., 40% to L. Krueger. 2,726,445, Cl. 30—43.
- Winthrop-Atkins Co., Inc.: *See—*  
Nichols, Gordon E. 2,698,493.
- Wintle, Thomas D. G.: *See—*  
Crabtree, John A., Wintle, and Alter. 2,712,440.
- Wintriss, George, to Industrial Hardware Mfg. Co., Inc. 2,704,837, Cl. 339—252.
- Wintriss, George, to Wintriss Inc. 2,712,201, Cl. 46—117.
- Wintriss Inc.: *See—*  
Wintriss, George. 2,712,201.
- Wiprud, Roy B.: *See—*  
Erickson, Lewis C. 2,714,772.
- Wire Coating & Mfg. Co., The: *See—*  
Hendrich, Robert T., and O'Brien. 2,701,186.
- Wirkler, Walter H., to Collins Radio Co. 2,715,995, Cl. 235—61.
- Wirsching, Robert J.: *See—*  
Links, Heinrich K., and Wirsching. 2,717,587.
- Wirt, Leslie S., to Ford Motor Co. 2,724,111, Cl. 340—403.
- Wirth, Armin. 2,712,848, Cl. 155—2.
- Wirth, Armin. 2,714,536, Cl. 308—2.
- Wirth, Carl & Son, Inc.: *See—*  
Engel, Paul R. 2,716,361.
- Wirth, Dick, and J. Anderson, and M. Crooks. 2,724,838, Cl. 4—67.
- Wirth, Hans, to Thermoid Co. 2,728,701, Cl. 154—81.
- Wirth, Otto, to Micafil A.-G. 2,699,902, Cl. 242—4.
- Wirth, Otto, to Micafil A.-G. 2,704,103, Cl. 153—67.
- Wirth, Sigurd: *See—*  
Kegel, Johannes, and Wirth. 2,710,692.
- Wirth, Walter V., and S. E. Krahler, to E. I. du Pont de Nemours & Co. 2,700,053, Cl. 260—507.
- Wirz, Willi, to Hoffmann-La Roche Inc. 2,721,202, Cl. 260—295.5.
- Wisby, Warren J.: *See—*  
Hasler, Arthur D., and Wisby. 2,699,751.
- Wischer, George F. 2,721,080, Cl. 272—1.
- Wisco, Inc.: *See—*  
Carlson, Gunnar V. 2,703,635.  
Knott, Frank W. 2,704,588.
- Wiscon Products, Inc.: *See—*  
Modine, Arthur B. 2,708,944.
- Wisconsin Alumni Research Foundation: *See—*  
Green, David E., and Beinert. 2,713,577.  
Robertson, Dale N., and Link. 2,703,320.  
Seidman, Martin, and Link. 2,702,806.
- Wisconsin Farmco Service Cooperative: *See—*  
Horkheimer, Ben. 2,720,326.
- Wisconsin Wire Works: *See—*  
Mackay, Malcolm J. 2,707,317.
- Wise, Bernard, to Radio Corp. of America. 2,727,950, Cl. 179—171.
- Wise, Clarence L. Re. 24,026, Cl. 138—50.
- Wise, Charles W. 2,711,457, Cl. 200—137.
- Wise, Daniel. 2,702,388, Cl. 2—224.
- Wise, Daniel E.: *See—*  
Affleck, David C., and Wise. 2,711,311.
- Wise, Earl V., Sr., to Wise Potato Chip Co. 2,705,585, Cl. 226—51.
- Wise, Elmer L., to Underwood Corp. 2,705,067, Cl. 197—2.
- Wise, Elmer L., to Underwood Corp. 2,707,077, Cl. 235—145.
- Wise, John T.: *See—*  
Copenhaver, James E., Biggs, Baxley, and Wise. 2,714,118.
- Wise Potato Chip Co.: *See—*  
Wise, Earl V., Sr. 2,705,585.
- Wise, Raleigh J., to The Western Union Telegraph Co. 2,721,231, Cl. 178—69.5.
- Wise, Raleigh J., G. H. Ridings, and R. D. Parrott, to The Western Union Telegraph Co. 2,718,547, Cl. 178—6.6.
- Wise, Ralph H., to Ford Motor Co. 2,712,146, Cl. 15—245.
- Wise, Ralph H., to Productive Inventions, Inc. 2,714,004, Cl. 268—133.
- Wise, Ralph H., to Productive Inventions, Inc. 2,714,005, Cl. 268—133.
- Wise, Ralph H., to Ford Motor Co. 2,716,256, Cl. 16—86.
- Wise, Ralph H., to Ford Motor Co. 2,720,673, Cl. 16—82.
- Wise, Robert A., to General Electric Co. 2,705,276, Cl. 219—20.
- Wise, Robert A., to General Electric Co. 2,707,219, Cl. 200—146.
- Wise, Ronald. 2,725,999, Cl. 214—620.
- Wise, Virgle V. 2,709,819, Cl. 5—351.
- Wise, Walter F. 2,728,153, Cl. 40—30.
- Wiselka, Albert E. 2,726,475, Cl. 43—43.13.



- Wiselogle, Frederick Y.: *See*—  
Bernstein, Jack, Lott, and Wiselogle. 2,699,448.  
Bernstein, Jack, Lott, and Wiselogle. 2,699,449.  
Bernstein, Jack, Lott, and Wiselogle. 2,699,450.
- Wiseman, William A., to Continental Motors Corp. 2,705,479, Cl. 123—56.
- Wishlinski, Thomas J., and M. W. Stacy, to Standard Oil Co. 2,705,681, Cl. 106—273.
- Wiskemann, Franz. 2,720,100, Cl. 68—205.
- Wiskerchen, Roman. 2,702,557, Cl. 134—52.
- Wisman, Franklin O., and R. J. Reek, to Bendix Aviation Corp. 2,727,166, Cl. 310—244.
- Wissing, Walter. 2,700,288, Cl. 68—131.
- Wissinger, Kenneth C. 2,725,611, Cl. 25—121.
- Wissinger, Lawrence H., to The Sportsmans Products Co. 2,700,100, Cl. 240—105.
- Wissman, Conrad C.: *See*—  
Dunn, Walter H., and Wissman. 2,712,165.
- Wissman, Henry E.: *See*—  
Fischer, Paul E., Hedin, Swanson, and Wissman. 2,726,498.  
Fischer, Paul E., Hedin, Swanson, and Wissman. 2,726,499.
- Wissman, Reuben E., to The Minster Machine Co. 2,728,288, Cl. 100—231.
- Wister, Cynthia W. 2,711,612, Cl. 46—7.
- Wiswesser, William J.: *See*—  
Matheson, James N., and Wiswesser. 2,706,983.
- Witco Chemical Co.: *See*—  
Lux, John H., and Parker. 2,699,428.  
Packer, Howard, and Chalfant. 2,707,195.
- Withall, William E., to W. H. Miner, Inc. 2,704,039, Cl. 105—197.
- Withall, William E., to W. H. Miner, Inc. 2,726,080, Cl. 267—1.
- Witherell, Robert R., to Henney Motor Co., Inc. 2,724,433, Cl. 158—36.3.
- Withers, John G., and R. Stansfield, to The British Petroleum Co. Ltd. 2,706,607, Cl. 248—22.
- Withers, Raymond A.: *See*—  
Williamson, Oscar C., and Withers. 2,698,992.  
Williamson, Oscar C., and Withers. 2,698,993.
- Withers, Raymond A. 2,722,737, Cl. 30—6.1.
- Withington, Lothrop: *See*—  
Thompson, Ralph E. 2,716,368.
- Witker, Lawrence C.: *See*—  
Thelander, W. Vincent, and Witker. 2,725,966.
- Witkower, Leonard J. 2,719,301, Cl. 2—42.
- Witmer, Harold G., to Westinghouse Air Brake Co. 2,713,633, Cl. 246—34.
- Witmer, Nancy R. 2,710,052, Cl. 155—189.
- Witmer, Walter C., to W. M. Golaszewski. 2,710,526, Cl. 66—89.
- Witt, Francisco C., to National-Simplex-Bludworth, Inc. 2,710,787, Cl. 346—74.
- Witt, Francisco C., to National-Simplex-Bludworth, Inc. 2,722,470, Cl. 346—65.
- Witt, Frank. 2,716,986, Cl. 131—88.
- Witt, George, H. W. and L. A. Miller. 2,715,399, Cl. 126—110.
- Witt, Harry. 2,727,130, Cl. 219—21.
- Witt, Kenneth F. 2,698,517, Cl. 60—97.
- Witt, Robert H.: *See*—  
Richey, Clarence B., Witt, and Sawyer. 2,701,437.  
Sawyer, Frederick D., and Witt. 2,701,438.
- Witt, Robert H., to Ford Motor Co. 2,711,931, Cl. 302—23.
- Witt, Stanley, to Century Electric Co. 2,716,725, Cl. 318—220.
- Wittberger, Frank H., to Harnischfeger Corp. 2,710,738, Cl. 254—186.
- Wittcoff, Harold: *See*—  
Aelony, David, and Wittcoff. 2,720,536.  
Renfrew, Malcolm M., and Wittcoff. 2,705,223.
- Wittcoff, Harold, to General Mills, Inc. 2,707,708, Cl. 260—18.
- Wittcoff, Harold, to General Mills, Inc. 2,728,737, Cl. 260—29.2.
- Witteck Mfg. Co.: *See*—  
Zartler, Herbert P. 2,724,885.
- Witteck, Rudolph J.: *See*—  
Fleming, Robert B. 2,708,423.
- Wittell, Otto, to Eastman Kodak Co. 2,721,627, Cl. 185—45.
- Wittenberger, Wallace W.: *See*—  
St. John, John M., and Wittenberger. 2,704,614.
- Wittenwyler, Clifford V.: *See*—  
Howard, Harry W., Wittenwyler, and Nikles. 2,713,565.
- Witter, Lawrie L. 2,707,141, Cl. 311—103.
- Witthofft, Charles H. 2,707,328, Cl. 30—202.
- Wittich, Rudolph: *See*—  
Schmitt, Heinrich. 2,703,167.
- Wittke, Ernest C., to Combustion Engineering, Inc. 2,722,581, Cl. 200—93.
- Wittkuhns, Bruno A., and G. F. Hill, to National Paper Bottle Co. Inc. 2,699,750, Cl. 118—52.
- Wittkuhns, Bruno A., and G. F. Hill. 2,719,465, Cl. 93—36.
- Wittkuhns, Bruno A., and G. F. Hill, to National Paper Bottle Co., Inc. 2,719,466, Cl. 93—79.
- Wittkuhns, Bruno A., and G. F. Hill, to National Paper Bottle Co., Inc. 2,719,467, Cl. 93—81.
- Wittle, Eugene L.: *See*—  
Snell, Esmond E., Wittle, and Moore. 2,722,551.
- Wittlin, Albert. 2,725,844, Cl. 116—117.
- Wittman, Alex. 2,711,039, Cl. 41—24.
- Wittmond, William C.: *See*—  
Reisert, August D., and Wittmond. 2,717,660.
- Wittnebert, Frederick R., to The Parker Pen Co. 2,724,367, Cl. 120—50.
- Wittnebert, Frederick R., to The Parker Pen Co. 2,726,639, Cl. 120—50.
- Wittriem, Herbert P. 2,704,101, Cl. 150—40.
- Wittstein, Jack A. 2,707,587, Cl. 229—34.
- Witwer, Wallace J., to The Cobey Corp. 2,719,727, Cl. 280—103.
- Witwer, Wallace J., to The Cobey Corp. 2,727,346, Cl. 55—19.
- Witworth, Otis R., to The Black-Clawson Co. 2,721,647, Cl. 198—213.
- Witworth, Otis R., and D. R. Hatton, to The Black-Clawson Co. 2,728,271, Cl. 92—44.
- Witzel, Ernst, to Milwaukee Gas Specialty Co. 2,699,821, Cl. 158—124.
- Witzke, Ernest C., and F. F. Cozza, to Combustion Engineering, Inc. 2,725,041, Cl. 122—6.
- Witzky, Julius E., to Studebaker-Packard Corp. 2,713,855, Cl. 123—90.
- Wizon, Irvin, P. W. Cummings, Jr., and A. Cresswell, to American Cyanamid Co. 2,714,052, Cl. 8—151.1.
- Wleügel, Johan: *See*—  
Nilsen, Knut A., and Wleügel. 2,704,530.
- Wockenfuss, William, to Burroughs Corp. 2,708,020, Cl. 197—1.
- Wodehouse, Richard A., Jr.: *See*—  
Kappes, Walter R., Vanden Berg, and Wodehouse. 2,719,796.
- Woehler, Harold, to Servel, Inc. 2,717,503, Cl. 62—7.
- Woehrl, Paul P., and S. E. Cotter, to The National Sugar Refining Co. 2,712,797, Cl. 105—367.
- Woelfel, Albert E.: *See*—  
Trimble, Harry C., and Woelfel. 2,709,490.
- Woelfer, Frank C., to Balcrank, Inc. 2,726,790, Cl. 222—122.
- Woerdemann, Hugo H.: *See*—  
Kabuss, Norbert G., Higa, and Woerdemann. 2,709,759.
- Woerdemann, Hugo H., to North American Aviation, Inc. 2,700,128, Cl. 323—66.
- Woerner, Erwin. 2,701,556, Cl. 123—119.
- Woertz, Byron B., to The Pure Oil Co. 2,727,588, Cl. 183—115.
- Woessner, Carl, to Gibraltar Mfg. Co., Inc. 2,704,560, Cl. 143—36.
- Wogsland, Willard L.: *See*—  
Sabee, Reinhardt N., and Wogsland. 2,715,934.
- Wohlfahrt, Fred. 2,708,852, Cl. 77—68.
- Wohlfarth, Edward J.: *See*—  
Petzal, Henry, and Wohlfarth. 2,708,059.
- Wohlman, Beatrice. 2,704,701, Cl. 2—30.
- Wohlrahe, Frank C.: *See*—  
Kowenstrot, Howard W., and Wohlrahe. 2,728,649.
- Wohrle, Carl H. H., to Zeiss Ikon A. G. 2,706,394, Cl. 70—363.
- Wolna, Benjamin A., to Republic Steel Corp. 2,709,123, Cl. 312—221.
- Wojciechowski, Bogumil M., to Western Electric Co., Inc. 2,721,975, Cl. 324—61.
- Wojciechowski, Bogumil M., to Western Electric Co., Inc. 2,721,976, Cl. 324—61.
- Wojnar, John. 2,722,688, Cl. 2—205.
- Wolak, Andrew H.: *See*—  
Gagliano, Joseph A. 2,725,886.
- Wolak, Aurora V.: *See*—  
Gagliano, Joseph A. 2,725,886.
- Wolcott, Frank E. 2,713,225, Cl. 38—99.
- Wolcott, Glenn W., to Penn Aircraft Products, Inc. Re. 24,051, Cl. 153—79.
- Wolcott, Leslie C., to General Motors Corp. 2,714,623, Cl. 174—120.
- Wolcott, Roger L.: *See*—  
Johnson, William C., Jr., Ross, and Wolcott. 2,710,157.
- Woleslagle, Arnold. 2,708,525, Cl. 212—61.
- Wolf, Alfred: *See*—  
Born, William T., Faust, and Wolf. 2,720,933.
- Wolf, Alfred, to Maschinenfabrik Fahr A. G. 2,713,343, Cl. 130—24.
- Wolf, Calvin N., to Ethyl Corp. 2,720,480, Cl. 167—33.
- Wolf, Calvin N., to Ethyl Corp. 2,728,767, Cl. 260—249.5.
- Wolf, Calvin N., R. D. Closson, and W. B. Ligett, to Ethyl Corp. 2,726,981, Cl. 167—33.
- Wolf, Carl F.: *See*—  
Hutchings, Brian L., Gordon, and Wolf. 2,704,289.  
Waller, Coy W., and Wolf. 2,716,651.
- Wolf, Cecil R., to Frantz Mfg. Co. 2,702,082, Cl. 160—201.
- Wolf, Cecil R., and C. E. Seidel, to Frantz Mfg. Co. 2,703,247, Cl. 292—220.
- Wolf, Cecil R., J. P. Holland, and C. E. Seidel, to Frantz Mfg. Co. 2,708,478, Cl. 160—201.
- Wolf, Charles, to J. L. Wolf. 2,705,512, Cl. 143—135.
- Wolf, Dale E.: *See*—  
Ryker, Truman C., and Wolf. 2,709,648.
- Wolf, Donald E., and K. Folkers, to Merck & Co., Inc. 2,710,298, Cl. 260—309.7.
- Wolf, Donald E., K. Folkers, and R. L. Peck, to Merck & Co., Inc. 2,720,527, Cl. 260—299.
- Wolf, E. Mark. 2,705,735, Cl. 154—2.25.
- Wolf, Erich L.: *See*—  
Ward, Earl C., and Wolf. 2,727,736.
- Wolf, Harold H., to Major Leather Goods Mfg. Co. 2,716,985, Cl. 129—1.
- Wolf, Irwin, and M. A. Szalkowski, to Electronic Devices, Inc. 2,725,503, Cl. 317—234.



- Wolf, Jerome L.: *See*—  
 Wolf, Charles. 2,705,512.
- Wolf, John. 2,718,333, Cl. 222—83.5.
- Wolf, Louis L., to Phillips Mfg. Co., Inc. 2,699,485, Cl. 219—26.
- Wolf, Michael J., J. A. Cannon, and M. M. MacMasters, to the United States of America as represented by the Secretary of Agriculture. 2,709,699, Cl. 260—209.
- Wolf, Otto J. 2,720,196, Cl. 123—119.
- Wolf, Robert D. 2,720,028, Cl. 33—1.
- Wolf, Robert W., to Heintz Mfg. Co. 2,706,577, Cl. 220—46.
- Wolf, Robert W., to Heintz Mfg. Co. 2,721,661, Cl. 211—41.
- Wolf, Seymour D. 2,722,693, Cl. 5—331.
- Wolf, Victor, Ltd.: *See*—  
 Rowe, Richard. 2,717,271.
- Wolf, Walther: *See*—  
 Rösch, Georg, Wolf, and Vollmann. 2,727,043.
- Wolf, William C., 50% to C. W. Hogan. 2,708,010, Cl. 188—259.
- Wolfanger, Fred J. 2,721,477, Cl. 73—161.
- Wolfe, Bruce E., to Hamilton Watch Co. 2,706,381, Cl. 58—115.
- Wolfe, Don M., and G. R. Sharpless, to American Cyanamid Co. 2,705,696, Cl. 167—78.
- Wolfe, Edgar H., to The Barrett Bindery Co. 2,722,434, Cl. 281—33.
- Wolfe, H. Hix, to The Duro Co. 2,710,018, Cl. 137—411.
- Wolfe, Howard, to Margon Corp. 2,700,248, Cl. 46—169.
- Wolfe, John A., to Allis-Chalmers Mfg. Co. 2,706,267, Cl. 318—6.
- Wolfe, Joseph A. 2,703,265, Cl. 311—27.
- Wolfe, Mark A. 2,700,830, Cl. 34—65.
- Wolfe, Paul C., and K. Ross. 2,704,210, Cl. 273—1.
- Wolfe, Walter W., to Superior Separator Co. 2,712,925, Cl. 259—45.
- Wolfe, William E. 2,701,548, Cl. 119—51.5.
- Wolfe, Willis E. 2,717,794, Cl. 292—2.
- Wolfenden, Ronald H.: *See*—  
 Hewlett, Stanley J., and Wolfenden. 2,705,774.
- Wolff, Edwin K.: *See*—  
 Von Hofe, George W., and Wolff. 2,703,660.  
 Von Hofe, George W., and Wolff. 2,723,775.
- Wolff, Edwin K., H. Voltmer, and K. Neimeier, to New Jersey Machine Corp. 2,726,861, Cl. 271—26.
- Wolff, Ernst. 2,703,250, Cl. 292—259.
- Wolff, George L. 2,701,701, Cl. 248—158.
- Wolff, H., Book Mfg. Co. Inc.: *See*—  
 Duby, Benjamin. 2,711,703.
- Wolff, Ivan A., R. L. Mellies, and C. E. Rist, to the United States of America as represented by the Secretary of Agriculture. 2,712,007, Cl. 260—209.
- Wolff, Ivan A., P. R. Watson, and C. E. Rist, to the United States of America as represented by the Secretary of Agriculture. 2,719,147, Cl. 260—209.
- Wolff, Jack G. 2,703,485, Cl. 69—22.
- Wolff, John A., to Milwaukee Gas Specialty Co. 2,719,202, Cl. 200—140.
- Wolff, John E., and P. W. Wilcox, to Merck & Co., Inc. 2,700,938, Cl. 107—1.
- Wolff, John E., P. W. Wilcox, and W. K. Wyatt, Jr., to Merck & Co., Inc. 2,727,473, Cl. 107—1.
- Wolff, Otto, to Siemens & Halske Aktiengesellschaft. 2,714,678, Cl. 313—84.
- Wolff, Otto E.: *See*—  
 Bachelder, Albert J., McCune, and Wolff. 2,709,223.
- Wolff, Otto E., to Polaroid Corp. 2,719,565, Cl. 154—1.6.
- Wolff, William F.: *See*—  
 Johnson, Carl E., and Wolff. 2,727,920.
- Wolff, William F., and C. E. Johnson, to Standard Oil Co. 2,720,547, Cl. 260—614.
- Wolfgang, Loren E. 2,719,372, Cl. 40—114.
- Wolfsong, Kurt, to Anken Chemical and Film Corp. 2,718,466, Cl. 95—6.
- Wolinski, Leon E., to E. I. du Pont de Nemours and Co. 2,715,075, Cl. 117—47.
- Wolinski, Leon E., to E. I. du Pont de Nemours and Co. 2,715,076, Cl. 117—47.
- Wolinski, Leon E., to E. I. du Pont de Nemours and Co. 2,715,077, Cl. 117—47.
- Wolk, Michael S.: *See*—  
 Berg, Theodore, and Szajna. 2,727,135.
- Miles, John R. 2,716,918.
- Wolkstein, Herbert J., to National Union Radio Corp. 2,704,328, Cl. 250—36.
- Wolldeckenfabrik Zoeppritz Aktiengesellschaft: *See*—  
 Fuchs, Carl. 2,703,112.  
 Fuchs, Carl. 2,707,005.
- Wollett, Ernest S. 2,699,022, Cl. 53—131.
- Wollner, Paul, and N. D. Tremaine, to Aeroil Products Co. Inc. 2,720,868, Cl. 122—448.
- Wollow, Joseph A. 2,707,049, Cl. 209—121.
- Wolman, Lane, to Librascope, Inc. 2,721,269, Cl. 250—40.
- Wolpert, David E. 2,709,368, Cl. 73—421.
- Wolski, Casimir. 2,714,953, Cl. 209—12.
- Wolter, Frederick J., to E. I. du Pont de Nemours and Co. 2,726,150, Cl. 71—2.6.
- Woltering, Joseph A., and K. S. Claxton, Jr., to Cincinnati Coffin Co. 2,718,687, Cl. 27—19.
- Wolters, August W. 2,728,310, Cl. 109—46.
- Wolverhampton Die-Casting Co., Ltd., The: *See*—  
 West, Vivian J., and Stockham. 2,704,388.
- Wolverton, Marcine P.: *See*—  
 Durant, Lyndon A., and Wolverton. 2,724,024.
- Wonders, Roland W. 2,727,313, Cl. 33—185.
- Wong, Herbert K., to Cepco, Inc. 2,710,335, Cl. 240—9.
- Wong, Herbert K., to Cepco, Inc. 2,728,595, Cl. 292—197.
- Wonso, Stanley. 2,698,451, Cl. 15—132.5.
- Wood, Alexander R., and N. R. Wood, 1/3 to F. E. Fanning. 2,715,021, Cl. 261—56.
- Wood & Brooks Co.: *See*—  
 Fauser, Richard F. 2,710,642.
- Wood Bros., Inc.: *See*—  
 Beasley, Don L. 2,698,704.
- Wood, Burl T., to Lindsay Ripe Olive Co. 2,719,555, Cl. 146—55.
- Wood Conversion Co.: *See*—  
 Jones, W. Bartlett. 2,715,755.
- Wood, Daniel R. 2,705,057, Cl. 187—62.
- Wood, Donald W.: *See*—  
 Burnside, Harvey E. W., Maisel, and Wood. 2,722,476.
- Wood, Earl H., to Research Corp. 2,706,927, Cl. 88—14.
- Wood, Elwood S., Jr.: *See*—  
 Roberts, Henry B., and Wood. 2,721,341.
- Wood, Ernest H., and J. R. Wilkinson, to Union Carbide and Carbon Corp. 2,701,241, Cl. 260—45.9.
- Wood, Ernest H., and J. R. Wilkinson, to Union Carbide and Carbon Corp. 2,704,749, Cl. 260—45.85.
- Wood, Frank, 1/2 to E. A. McKibbin. 2,723,325, Cl. 200—142.
- Wood, Frank J., to Kaiser Aluminum & Chemical Corp. 2,699,904, Cl. 242—78.
- Wood, Frank J., to Kaiser Aluminum & Chemical Corp. 2,725,104, Cl. 164—65.
- Wood, Fred A. 2,704,052, Cl. 119—153.
- Wood, Frederick: *See*—  
 Rowe, Orville M., Wood, and Gayne. 2,700,827.
- Wood, Fredric E.: *See*—  
 Sargisson, Robert L., and Wood. 2,726,292.
- Wood, Gar, Industries, Inc.: *See*—  
 Barrett, Edward R. 2,703,184.  
 Gwinn, Joseph M., Jr. 2,704,221.  
 Gwinn, Joseph M., Jr. 2,725,152.  
 Hicks, Willie G. 2,701,666.  
 Krasno, Maxwell R. 2,706,565.
- Wood, George B., Jr., to J. D. Robertson. 2,722,415, Cl. 271—2.6.
- Wood, George H., Jr.: *See*—  
 Farnworth, Edwin, and Wood. 2,728,567.
- Wood, Glenn D., to Domore Chair Co., Inc. 2,703,601, Cl. 155—156.
- Wood, Harald I.: *See*—  
 Kilner, William N., and Wood. 2,727,161.
- Wood, Henry W., to Ilford Ltd. 2,710,805, Cl. 95—7.
- Wood, Homer J., to The Garrett Corp. 2,703,674, Cl. 230—116.
- Wood, Homer J., to The Garrett Corp. 2,704,925, Cl. 62—6.
- Wood, Homer J., to The Garrett Corp. 2,709,567, Cl. 253—39.1.
- Wood, Ira E. 2,715,465, Cl. 210—57.
- Wood, J. R., & Sons, Inc.: *See*—  
 Debler, Edmund. 2,726,520.
- Wood, James Q.: *See*—  
 Bethea, Charles F., Pollock, and Wood. 2,717,658.
- Wood, James Q., to Phillips Petroleum Co. 2,719,135, Cl. 260—33.6.
- Wood, James R., to Harris-Seybold Co. 2,717,154, Cl. 271—12.
- Wood, John, Co.: *See*—  
 Vitols, Viktors. 2,706,064.
- Willson, David S., and Woodford. 2,702,674.
- Wood, Kenneth M.: *See*—  
 Dildilian, Ara T., and Wood. 2,705,693.
- Wood, Leon G. S.: *See*—  
 Rodman, Isaac P., Nolle, Chernosky, and Wood. 2,709,796.
- Wood, Louis S., to L. A. Young Spring & Wire Corp. 2,719,637, Cl. 214—77.
- Wood, Louvan E., to Bendix Aviation Corp. 2,703,269, Cl. 346—105.
- Wood, Noel R.: *See*—  
 Wood, Alexander R., and N. R. 2,715,021.
- Wood, Peirce M.: *See*—  
 Hensgen, Bernard T., Vanden Bosch, Lederer, and Wood. 2,717,212.
- Wood, Robert H., to Simplex Paper Corp. 2,721,816, Cl. 154—45.9.
- Wood, Russell A.: *See*—  
 Jepsen, Hans G., and Wood. 2,702,842.
- Wood, Straud K. 2,725,135, Cl. 194—9.
- Wood, Thomas R.: *See*—  
 Rickes, Edward L., and Wood. 2,703,302.  
 Rickes, Edward L., and Wood. 2,703,303.
- Wood, Walter A. 2,700,340, Cl. 103—44.
- Woodall Industries, Inc.: *See*—  
 Johnson, Charles B. 2,716,804.
- Woodard, Elva A.: *See*—  
 Loftin, Kenthal C. and L. B., and Woodard. 2,722,758.
- Woodberry, Norman T.: *See*—  
 Dixon, James K., and Woodberry. 2,706,718.
- Woodburn, Harriett M. 2,709,626, Cl. 304—31.5.
- Woodburn, Ralph E. 2,711,776, Cl. 154—1.
- Woodbury, Glen P.: *See*—  
 Rice, Richard L., Kingsley, and Woodbury. 2,726,013.
- Woodcock, Alan H. 2,707,593, Cl. 237—60.
- Woodcock, Charles A.: *See*—  
 Hadley, David J., and Woodcock. 2,716,665.
- Woodell, Albert F.: *See*—  
 Steiner, Edwin. 2,722,851.



- Woodell, Albert F. 2,728,366, Cl. 144—229.  
 Woodell, Victor A., to Electra Mfg. Co. 2,724,306, Cl. 90—11.46.  
 Woodell, Victor A., and P. R. Hannaway, to Electra Mfg. Co. 2,700,368, Cl. 118—316.  
 Woodford, Joseph C.: *See*—  
   Willson, David S., and Woodford. 2,702,674.  
 Woodhams, Walter J., to Woodlin Metal Products Co. 2,703,520, Cl. 98—46.  
 Woodhead, Daniel, Co.: *See*—  
   Woodhead, Daniel, Jr. 2,703,838.  
   Woodhead, Daniel, Jr. 2,703,871.  
 Woodhead, Daniel, Jr., to Daniel Woodhead Co. 2,703,838, Cl. 240—54.  
 Woodhead, Daniel, Jr., to Daniel Woodhead Co. 2,703,871, Cl. 339—189.  
 Woodhead, Jonas, & Sons Ltd. *See*—  
   Barnett, Leonard H. 2,715,952.  
 Wooding, William M., and T. J. Suen, to American Cyanamid Co. 2,719,798, Cl. 117—76.  
 Woodings-Verona Tool Works: *See*—  
   Skowron, Edmund A. 2,704,618.  
 Woodlin Metal Products: *See*—  
   Singleton, Benoit M. 2,699,232.  
   Woodhams, Walter J. 2,703,520.  
 Woodling, George V. 2,707,297, Cl. 15—182.  
 Woodman, Charles K.: *See*—  
   Seabury, Frank, II, and Woodman. 2,724,844.  
 Woodman Co., Inc.: *See*—  
   Wilson, Ray O. 2,722,858.  
 Woodman, Roger S.: *See*—  
   Boyle, Kenneth E., and Woodman. 2,711,789.  
 Woodring, William B., to Olin Mathieson Chemical Corp. 2,719,096, Cl. 117—37.  
 Woodrow, Jack. 2,721,660, Cl. 210—88.  
 Woodrow, Wallace H.: *See*—  
   Hale, Andrew, Perkins, and Woodrow. 2,725,220.  
 Woodruff, Ben H. 2,710,610, Cl. 128—406.  
 Woodruff, George M., to Diamond Crystal Salt Co. 2,705,092, Cl. 222—156.  
 Woodruff, Henry W. and H. C. 2,716,273, Cl. 29—229.  
 Woodruff, Hugh C.: *See*—  
   Woodruff, Henry W. and H. C. 2,716,273.  
 Woodruff, Lee B.: *See*—  
   Hammerstrom, Henry H., and Woodruff. 2,713,646.  
 Woodruff, Morgan L. 2,703,893, Cl. 9—36.  
 Woodruff, Richard L., P. K. Mulvany, and J. O. Clayton, to California Research Corp. 2,716,087, Cl. 252—18.  
 Woodruff, Thomas E., to Hughes Aircraft Co. 2,701,328, Cl. 318—18.  
 Woodruff, Thomas E., to General Electric Co. 2,712,128, Cl. 340—183.  
 Woodruff, Thomas E., to Hughes Aircraft Corp. 2,714,185, Cl. 318—18.  
 Woodruff, Thomas E., to Hughes Aircraft Co. 2,717,310, Cl. 250—27.  
 Woods, Albert J. 2,711,044, Cl. 43—17.6.  
 Woods, Carl N. 2,711,298, Cl. 248—23.  
 Woods, Charles W., 1/2 to J. D. Hough. 2,700,904, Cl. 74—471.  
 Woods, Ernest H., Co., Inc.: *See*—  
   Smith, Joseph A. 2,701,662.  
 Woods, George B., to Spheric Structures, Inc. 2,711,181, Cl. 135—4.  
 Woods, George J.: *See*—  
   Curtis, Lloyd R., Steward, and Woods. 2,723,368.  
 Woods, Gilbert F. 2,707,196, Cl. 260—638.  
 Woods, Gordon K.: *See*—  
   MacKenzie, Edward P., and Woods. 2,712,096.  
 Woods, Herbert J.: *See*—  
   Burnet, Arthur L., and Woods. 2,720,019.  
 Woods, J. R., & Sons, Inc.: *See*—  
   Debler, Edmund. 2,725,730.  
 Woods, Robert J., to Bell Aircraft Corp. 2,709,947, Cl. 89—1.7.  
 Woods, S. A., Machine Co.: *See*—  
   Carlson, Lewis B. 2,725,084.  
 Woods, William E., to Radio Corp. of America. 2,702,854, Cl. 250—27.  
 Woods-Hill, William, and D. T. Davis, to International Business Machines Corp. 2,703,201, Cl. 235—61.  
 Woodson, Walter R., to Gunite Concrete and Construction Co. 2,702,932, Cl. 25—131.5.  
 Woodson, William S., Jr., to The Manhattan Shirt Co. 2,714,758, Cl. 28—78.  
 Woodstock Metal Products, Inc.: *See*—  
   Marsilius, Mac. 2,707,664.  
 Woodward, Clarence M. 2,699,607, Cl. 33—27.  
 Woodward, Clement A., to United-Carr Fastener Corp. 2,702,359, Cl. 317—234.  
 Woodward, Frank E. 2,723,405, Cl. 10—106.  
 Woodward, Lewis J., and C. H. Titus, to General Electric Co. 2,702,358, Cl. 317—22.  
 Woodward, Lewis J., and R. Baskerville, to General Electric Co. 2,717,298, Cl. 200—168.  
 Woodward, Richard H., to the United States of America as represented by the Secretary of the Navy. 2,700,102, Cl. 250—27.  
 Woodward, Robert B., to Research Corp. 2,701,807, Cl. 260—397.3.  
 Woodward, Robert B., to Research Corp. 2,702,805, Cl. 260—340.5.  
 Woodworth Industrial Process Co., Inc.: *See*—  
   Woodworth, Walter J. 2,699,584.  
 Woodworth, Julian E.: *See*—  
   Morrill, Frank B., and Woodworth. 2,709,270.  
 Woodworth, Lee R., to the United States of America as represented by the Secretary of the Navy. 2,704,089, Cl. 138—37.  
 Woodworth, N. A., Co.: *See*—  
   Hohwart, George and E. F. 2,714,514.  
 Woodworth, Walter J., to Woodworth Industrial Process Co., Inc. 2,699,584, Cl. 22—136.  
 Woodworth, William H., to the United States of America as represented by the Secretary of the Navy. 2,725,520, Cl. 323—89.  
 Woody, Carl D.: *See*—  
   Donovan, John J., Jr., Williamson, and Woody. 2,718,676.  
 Wooldridge Mfg. Co.: *See*—  
   Corsini, Neo. 2,706,010.  
 Wooldridge, Richard J. 2,703,501, Cl. 70—232.  
 Woolf, Cyril, to Allied Chemical & Dye Corp. 2,714,618, Cl. 260—653.  
 Woolf, Don R., to Curtiss-Wright Corp. 2,700,211, Cl. 29—190.  
 Woolf, Don R., L. H. Wurster, and L. Ayondoglio, to Curtiss-Wright Corp. 2,718,267, Cl. 170—159.  
 Woolf, James W.: *See*—  
   Ball, Charles F., and Woolf. 2,715,425.  
 Woolfolk, Louis W.: *See*—  
   Notar, Joseph, and Woolfolk. 2,718,334.  
 Woolley, Harold O., Jr., to Aircraft-Marine Products Inc. 2,715,716, Cl. 339—276.  
 Woolley, Lee A., to Kingston Products Corp. 2,726,873, Cl. 280—11.28.  
 Woolley, Ned S. 2,720,128, Cl. 81—186.  
 Woolrich, Willis R., Jr., and R. L. Erickson. 2,702,709, Cl. 273—134.  
 Woollayer, Homer J., C. Jenkins, and C. D. Iddings, to Lee C. Moore Corp. 2,701,039, Cl. 189—11.  
 Woollayer, Homer J., C. Jenkins, C. D. Iddings, and E. A. Campbell, to Lee C. Moore Corp. 2,706,539, Cl. 189—15.  
 Woollayer, Homer J., C. Jenkins, C. L. Turner, and E. A. Campbell, to Lee C. Moore Corp. 2,706,540, Cl. 189—15.  
 Woollayer, Homer J., C. Jenkins, and C. L. Turner, to Lee C. Moore Corp. 2,708,565, Cl. 254—145.  
 Woollayer, Homer J., C. Jenkins, and C. D. Iddings, to Lee C. Moore Corp. 2,711,804, Cl. 189—15.  
 Woolston, John R.: *See*—  
   Webster, William M., Jr., and Woolston. 2,725,505.  
 Wooten, Allen D., to the United States of America as represented by the United States Atomic Energy Commission. 2,713,097, Cl. 200—61.53.  
 Wooten, George M. 2,707,536, Cl. 189—76.  
 Wooten, William A. 2,706,218, Cl. 178—5.8.  
 Wootton, William C., to United-Carr Fastener Corp. 2,715,402, Cl. 128—214.  
 Worden, Donald P., to General Motors Corp. 2,701,833, Cl. 219—6.  
 Worden, Floyd O. 2,702,020, Cl. 119—157.  
 Work, Robert S.: *See*—  
   Shertz, Edward W., and Work. 2,710,029.  
 Work, Robert S., to Lansdowne Steel & Iron Co. 2,710,030, Cl. 139—187.  
 Workinger, Paul M. 2,705,052, Cl. 181—18.  
 Workman, Donald R. 2,714,971, Cl. 220—16.  
 Workman, Edward C.: *See*—  
   Heiskell, Theodore W., and Workman. 2,725,409.  
 Workman, Everly J.: *See*—  
   Bleakney, Robert M., and Workman. 2,712,791.  
 Workman, Everly J., to the United States of America as represented by the Secretary of the Navy. 2,721,517, Cl. 102—49.  
 Worldbest Industries, Inc.: *See*—  
   Rusch, William H. 2,723,420.  
 Worley, Carl M. 2,725,782, Cl. 88—14.  
 Worley, Lee, to Fairchild Engine and Airplane Corp. 2,707,939, Cl. 121—46.5.  
 Wormser, Hans H.: *See*—  
   Gray, Jacob H., and Wormser. 2,704,946.  
 Wormser, Paul. 2,720,989, Cl. 214—84.  
 Worne, Howard E., to The Robinson Foundation, Inc. 2,707,696, Cl. 167—65.  
 Worrell, Francis T., to the United States of America as represented by the Secretary of the Navy. 2,709,789, Cl. 333—81.  
 Worrell, Robert L., and C. E. Adams, to Allis-Chalmers Mfg. Co. 2,705,961, Cl. 130—27.  
 Worsham, Elmer L. 2,705,114, Cl. 242—90.  
 Worsham, Harry G. 2,714,386, Cl. 135—5.  
 Worsnop, Tom: *See*—  
   Stokes, Anthony S., Worsnop, and McDonald. 2,704,615.  
 Worson, Lee, to Techkote Co., Inc. 2,703,288, Cl. 99—222.  
 Worth, Daniel B., to Cummins Engine Co., Inc. 2,727,501, Cl. 123—103.  
 Worth, Francis C. 2,710,714, Cl. 226—92.  
 Worth, Thomas F., to General Electric Co. 2,703,849, Cl. 310—156.  
 Worth, Thomas F., and R. B. Kerr, to General Electric Co. 2,707,756, Cl. 310—254.  
 Worth, William E. 2,717,167, Cl. 292—30.  
 Worthen, Stephen V., and C. H. Van Dusen, Jr., to S. D. Warren Co. 2,707,359, Cl. 51—281.  
 Worthing, Dorothy H.: *See*—  
   Fowler, Gertrude M., Jayne, and Worthing. 2,720,653.



- Worthington Ball Co., The: *See*—  
Smith, Robert F. 2,722,264.
- Worthington Corp.: *See*—  
Baerenrodt, Eugene F. 2,708,127.  
Hilkemeier, Louis G. 2,722,408.  
Hirsch, Sylvan R. 2,701,684.  
Hirsch, Sylvan R. 2,708,945.  
McBath, Bartley R. 2,701,648.  
Metzger, Martin C. 2,714,883.  
Ramsey, Melvin A. 2,709,345.  
Walter, Hellmuth. 2,717,118.  
Walter, Hellmuth. 2,725,873.
- Worthington, Emory W.: *See*—  
Harless, Charles A., Worthington, and Hegeman. 2,727,739.  
Harless, Charles A., Worthington, and Zurick. 2,728,292.
- Worzel, John L.: *See*—  
Ewing, William M., and Worzel. 2,703,544.
- Wosika, Leon R., to Solar Aircraft Co. 2,713,990, Cl. 253—69.
- Wosika, Leon R., to Solar Aircraft Co. 2,714,802, Cl. 60—39,14.
- Wosika, Leon R., to Solar Aircraft Co. 2,722,101, Cl. 60—39,66.
- Wosika, Leon R., to Solar Aircraft Co. 2,727,355, Cl. 60—29.
- Wosika, Leon R., G. B. Hodgson, and P. A. Pitt, to Solar Aircraft Co. 2,723,531, Cl. 60—102.
- Wotton, Charles S. R. 2,714,651, Cl. 219—26.
- Wouters, Louis F., to the United States of America as represented by the United States Atomic Energy Commission. 2,717,962, Cl. 250—49,5.
- Woyton, Thomas M. 2,722,148, Cl. 81—43.
- Wrathall, Leishman R., to Bell Telephone Laboratories, Inc. 2,703,368, Cl. 307—106.
- Wray, George O., and F. E. Wilson. 2,716,974, Cl. 126—109.
- Wren, Clyde E. 2,700,500, Cl. 230—273.
- Wretling, Karl A. J. 2,700,278, Cl. 62—2.
- Wright, Alexander M.: *See*—  
Chandler, Milton E., and Wright. 2,720,752.
- Wright, Ansel J., to Master Addresser Co. 2,708,404, Cl. 101—134,5.
- Wright, Bruce R., to The Hawley Engineering Corp. 2,709,681, Cl. 210—5.
- Wright, Byron T., to the United States of America as represented by the United States Atomic Energy Commission. 2,725,478, Cl. 250—41,9.
- Wright, Byron T., and E. O. Lawrence, to the United States of America as represented by the United States Atomic Energy Commission. 2,713,641, Cl. 250—41,9.
- Wright, Charles, and W. A. Hanson, to Seeger Refrigerator Co. 2,717,839, Cl. 106—285.
- Wright, Charles S., to The Pure Oil Co. 2,728,679, Cl. 106—10.
- Wright, Clyde E.: *See*—  
Ingwer, Carl H., and Wright. 2,699,604.
- Wright, Clyde E., to The Ridge Tool Co. 2,704,477, Cl. 81—101.
- Wright, Don H.: *See*—  
Cromer, Jeremiah K., and Wright. 2,710,000.
- Wright, F. B., Co.: *See*—  
Reno, William H. 2,711,816.
- Wright, Edward S., and A. C. Robertson, to International Standard Electric Corp. 2,698,909, Cl. 310—9,5.
- Wright, Elvin W.,  $\frac{1}{2}$  to C. E. Nye. 2,718,156, Cl. 74—241.
- Wright, Ernest W., and A. M. Thiery. 2,714,792, Cl. 53—57.
- Wright, Ethewin M. 2,718,447, Cl. 312—241.
- Wright, Francis X. 2,699,718, Cl. 99—275.
- Wright, Frank P.: *See*—  
Holt, Marcus L., and Wright. 2,723,012.
- Wright, Fred J., to The Denison Engineering Co. Re. 24,048, Cl. 103—162.
- Wright, Fred S.: *See*—  
Lindstaedt, Frank F., and Wright. 2,725,168.
- Wright, Galileo. 2,719,196, Cl. 200—84.
- Wright, George C., to General Aniline & Film Corp. 2,723,248, Cl. 260—45,5.
- Wright, George E. 2,713,709, Cl. 25—100.
- Wright, Gilbert F., and G. W. Newton, to Boeing Airplane Co. 2,702,537, Cl. 123—169.
- Wright, Gladys B.: *See*—  
Johns, Jesse G. 2,707,486.
- Wright, Harold D. 2,713,469, Cl. 248—229.
- Wright, Harold R., H. Zenftman, and E. Whitworth, to Imperial Chemical Industries Ltd. 2,716,056, Cl. 52—13.
- Wright, Harry D., and E. G. Laue; said Laue assor. to said Wright. 2,714,672, Cl. 310—8,4.
- Wright, Harry T. 2,705,488, Cl. 126—121.
- Wright, Hazel H.: *See*—  
Brandon, Clarence W. 2,716,958.  
Brandon, Clarence W. 2,720,082.  
Brandon, Clarence W. 2,720,181.  
Brandon, Clarence W. 2,720,182.  
Brandon, Clarence W. 2,724,357.
- Wright, J. Rondie: *See*—  
Shawhan, Elbert N., and Wright. 2,724,271.
- Wright, James R., to California Research Corp. 2,727,054, Cl. 260—448,8.
- Wright, Joe S. 2,714,755, Cl. 25—131,5.
- Wright, John G., J. M. Chafin, E. Sudan, C. A. Watkins, and J. A. Hanson, to The Auto-Soler Co. 2,698,681, Cl. 203—129.
- Wright, John T. 2,712,260, Cl. 82—21.
- Wright, Joseph, and H. J. Butler, to Dunlop Rubber Co. Ltd. 2,728,420, Cl. 188—152.
- Wright, Laurel H. 2,727,581, Cl. 180—12.
- Wright, Leroy A.: *See*—  
Day, Earl R., Wright, and Nalley. 2,704,998.
- Wright Line, Inc., The: *See*—  
Miller, Stanley L. 2,721,662.
- Wright Machinery Co.: *See*—  
Petrea, James C. 2,701,639.  
Tracy, Glen M. 2,706,073.
- Wright, Manfred G.: *See*—  
Schwarz, Bertram A., and Wright. 2,701,330.
- Wright, Owen C. 2,715,320, Cl. 62—6.
- Wright, Paul D., to United States Rubber Co. 2,727,295, Cl. 28—78.
- Wright Products, Inc.: *See*—  
Falk, Harold W. 2,722,443.  
Falk, Harold W. 2,726,108.
- Wright, Richard H., and A. Zay, to The Guarantee Specialty Mfg. Co. 2,703,694, Cl. 248—264.
- Wright, Robert E.: *See*—  
Jones, Royce J., and Wright. 2,716,197.
- Wright, Robert L., Jr., to Westinghouse Electric Corp. 2,719,234, Cl. 250—102.
- Wright, Royale A. 2,715,407, Cl. 134—99.
- Wright Tool and Forge Co., The: *See*—  
Stone, Arthur P. 2,701,977.  
Stone, Arthur P. 2,715,955.
- Wright, Virgil L. 2,711,680, Cl. 97—55.
- Wright, William B., Jr., to American Cyanamid Co. 2,714,105, Cl. 260—244.
- Wright, William B., Jr., J. M. Smith, Jr., and K. H. Collins, to American Cyanamid Co. 2,715,644, Cl. 260—521.
- Wright, William R. 2,721,349, Cl. 15—210.
- Wrightson, John M.: *See*—  
Dittman, Albert L., and Wrightson. 2,705,706.
- Wrinkle, Raymond L. 2,699,072, Cl. 74—363.
- Wrought Iron Range Co.: *See*—  
Nagel, Eric W. 2,709,999.
- Wroughton, Donald M.: *See*—  
Dailey, Hampton J., and Wroughton. 2,720,997.
- Wroughton, Donald M., and E. D. Gregory, to Westinghouse Electric Corp. 2,699,015, Cl. 49—92,5.
- Wu, William I., to the United States of America as represented by the Secretary of War. 2,704,323, Cl. 250—17.
- Wu, William I. L., to the United States of America as represented by the Secretary of the Navy. 2,720,587, Cl. 250—27.
- Wucherer, Johannes: *See*—  
Becker, Rudolf, and Wucherer. 2,728,205.
- Wucherer, Johannes, and R. Becker, to Linde's Eismaschinen Aktiengesellschaft. 2,712,738, Cl. 62—175,5.
- Wuensch, John: *See*—  
Schulz, Alfred, and Wuensch. 2,723,820.
- Wuerth, John M.: *See*—  
Smith, Robert E., Wuerth, Horsfall, Goldberg, and Leine. 2,713,266.
- Wuerth, John M., W. D. Mullins, Jr., R. E. Smith, S. J. Goldberg, and C. T. Wilson, Jr., to North American Aviation, Inc. 2,713,637, Cl. 250—33,65.
- Wuertz, Paul P., to Minneapolis-Moline Co. 2,712,787, Cl. 100—142.
- Wulff Process Co.: *See*—  
Harris, Ford W. 2,706,210.  
Harris, Ford W. 2,718,534.  
Harris, Ford W. 2,721,888.
- Wulfsberg, Arthur H., to Collins Radio Co. 2,716,897, Cl. 74—10,54.
- Wulle, William A., to The Pyle-National Co. 2,701,998, Cl. 98—40.
- Wullschlegler, August. 2,725,970, Cl. 198—19.
- Wulzen, Richard H.: *See*—  
Cunningham, Marion D., Jones, and Wulzen. 2,728,642.
- Wunderlich, Emil F. 2,716,320, Cl. 56—50.
- Wunderlich, Lowell H. 2,704,111, Cl. 155—18.
- Wunderlich Spring Machinery Co.: *See*—  
Nelson, Martin J., and Cetnar. 2,718,315.  
Nelson, Martin J., and Ives. 2,718,314.
- Wuppermann, August T., to Exatest Gesellschaft fur Mechatnik mit beschränkter Haftung. 2,714,669, Cl. 250—83,6.
- Wurgler, Alfred O., Jr. 2,724,432, Cl. 157—1,26.
- Wurlitzer, Rudolph, Co., The: *See*—  
Hull, Charles J., and Osborne. 2,725,235.  
Wensel, Theodor, Jr. 2,719,892.  
Zuck, Victor I. 2,699,085.
- Wurn, Isadore T.: *See*—  
Anderson, Robert I., Winkler, and Wurn. 2,707,105.
- Wurster, Karl F. C. 2,713,337, Cl. 124—24.
- Wurster, Lee H.: *See*—  
Woolf, Don R., Wurster, and Avondoglio. 2,718,267.
- Wurton Machine Co.: *See*—  
Touton, Rush D. 2,718,891.
- Wurtz, Clifford H., to General Motors Corp. 2,723,896, Cl. 312—296.
- Wurtz, Clifford H., and L. H. Grenell, to General Motors Corp. 2,712,736, Cl. 62—126.
- Wurzbach, Hugh E. 2,713,415, Cl. 198—220.
- Wurzbarger, Paul D., to Northern Indiana Brass Co. 2,715,432, Cl. 153—48.
- Wurzel, Hugo, to Waldes Kohinoor, Inc. 2,710,202, Cl. 285—30.
- Wüthrich, Ernst, to Societe Financiere pour l'Industrie Metallurgique S. A. 2,714,498, Cl. 248—354.



- Wyandotte Chemicals Corp.: *See*—  
Hall, George E., Jr. 2,713,572.  
Korejwa, Alfred, and Reader. 2,709,160.  
Lundsted, Lester G., and McMahon. 2,718,509.  
Patton, John T. 2,716,137.
- Wyatt, George M. 2,704,541, Cl. 128—4.  
Wyatt, James L.: *See*—  
Stoddard, Carl K., and Wyatt. 2,709,078.
- Wyatt, James L., to National Lead Co. 2,718,538, Cl. 136—4.  
Wyatt, William K., Jr.: *See*—  
Wolff, John E., Wilcox, and Wyatt. 2,727,473.
- Wyatt, William W.: *See*—  
Porter, George S., and Wyatt. 2,725,958.
- Wyeth, Nathaniel, to Ford Motor Co. 2,723,006, Cl. 188—88.
- Wykman, Torsten G. A.: *See*—  
Dalin, David, and Wykman. 2,704,534.
- Wylie, Donald L., and D. J. Marhart, to the United States of America as represented by the Secretary of the Interior. 2,710,368, Cl. 317—28.
- Wylie, Howard H.: *See*—  
Kagley, William H., Wylie, and Webster. 2,719,477.
- Wylie, Howard W. 2,711,237, Cl. 192—33.
- Wylie Mfg. Co., Inc.: *See*—  
Wylie, William H. 2,703,704.
- Wylie, Roger, to Esso Research and Engineering Co. 2,718,454, Cl. 23—2.
- Wylie, William H., to Wylie Mfg. Co., Inc. 2,703,704, Cl. 259—157.
- Wyman, Glenn C., to Revere Copper and Brass Inc. 2,719,645, Cl. 220—42.
- Wyman, Guy C., to Red Devil Tools. 2,705,389, Cl. 49—48.
- Wyman, Howard A., Jr.: *See*—  
Pate, Albert F., and Wyman, Jr. 2,701,868.
- Wyman, Morris: *See*—  
Rapson, William H., and Wayman. 2,716,058.
- Wyman, Robert A., to Joy Mfg. Co. 2,721,068, Cl. 262—33.
- Wyner, Harry. 2,700,837, Cl. 40—70.
- Wyner, Justin L., to The Vanta Co., Inc. 2,725,565, Cl. 2—70.
- Wynkoop, Lewis M.: *See*—  
Blizzard, James R., Firth, and Wynkoop. 2,722,714.  
Blizzard, James R., Firth, and Wynkoop. 2,722,715.  
Blizzard, James R., Firth, and Wynkoop. 2,723,201.
- Wynn, Robert O.: *See*—  
Plumley, Harold J., and Wynn. 2,719,486.
- Wynn, Robert W., to General Aniline & Film Corp. 2,711,426, Cl. 260—556.
- Wynne, Hubert C., to Pilkington Brothers Ltd. 2,712,923, Cl. 257—95.
- Wynne, Richard H., Jr.: *See*—  
Faust, John W., Jr., and Wynne. 2,705,192.
- Wyrick, Harry H.: *See*—  
Morris, Rupert C., Van Winkle, and Wyrick. 2,714,064.
- Wysocki, Kazmier, to Progressive Machine Co. 2,699,278, Cl. 226—14.
- Wysong, Paul V., Jr., and W. S. Callaway, to Gustin-Bacon Mfg. Co. 2,716,532, Cl. 248—120.
- Wyss, Eugen, to W. Huguenin. 2,723,702, Cl. 153—78.
- Wythe, Frederick J., to Emhart Mfg. Co. 2,725,681, Cl. 49—55.
- Wyzenbeek, Andrew. 2,705,618, Cl. 259—1.
- Wzn, Jan A. D.: *See*—  
Schipper, Maarten E., Wzn, and Dekker. 2,705,845.
- Xanten, Elmer F. 2,705,887, Cl. 72—128.
- Yack, Waldo A., and F. H. Szczepanski, to The Dow Chemical Co. 2,720,310, Cl. 207—10.
- Yackel, Edward C.: *See*—  
Yutzy, Henry C., and Yackel. 2,716,059.
- Yaeger, Bernard W. 2,716,028, Cl. 273—85.
- Yaeger, Harry C., to Underwood Corp. 2,703,641, Cl. 197—17.
- Yaeger, Luther L., to American Motors Corp. 2,702,255, Cl. 117—103.
- Yakooleff, Joseph, to Ideal Toy Corp. 2,706,364, Cl. 46—166.
- Yale, Harry L.: *See*—  
Losee, Kathryn A., Bernstein, and Yale. 2,704,754.
- Yale, Harry L., and J. Bernstein, to Olin Mathieson Chemical Corp. 2,726,983, Cl. 167—65.
- Yale, Harry L., and J. Bernstein, to Olin Mathieson Chemical Corp. 2,727,896, Cl. 260—295.
- Yale, Marion W. 2,708,063, Cl. 224—45.
- Yale & Towne Mfg. Co., The: *See*—  
Behnke Albert F. 2,707,121.  
Check, Mathias M. 2,725,739.  
Framhein, Herbert J. 2,704,167.  
Framhein, Herbert J. 2,713,918.  
Golden, Abraham H., and Check. 2,720,103.  
Krupicka, William A. 2,720,408.  
Quayle, George F. 2,726,000.  
Schroeder, Charles S. 2,714,040.  
Spain, Roy C. 2,702,468.  
Spain, Roy C. 2,720,102.  
Ulinski, Bronislaus I. 2,699,269.  
Ulinski, Bronislaus I. 2,699,309.  
Ulinski, Bronislaus I. 2,708,998.  
Ulinski, Bronislaus I. 2,709,017.
- Yalowitz, Harold I., and W. J. Bannister, to Commercial Solvents Corp. 2,713,597, Cl. 260—583.
- Yamada, Tsutomu. 2,719,418, Cl. 66—60.
- Yanagisawa, Samuel T., and H. F. Miseroocchi, to Machlett Laboratories, Inc. 2,701,847, Cl. 313—72.
- Yamaguchi, Sakuji. 2,706,233, Cl. 219—10.53.
- Yamamoto, Kazumi: *See*—  
Tanaka, Manzo, Yamamoto, and Oku. 2,723,299.
- Yancey, William H. 2,718,994, Cl. 227—34.
- Yandow, Yvonne M. 2,707,962, Cl. 135—50.
- Yantzer, Anton. 2,705,891, Cl. 73—390.
- Yarber, Gordon W., to Hydro-Aire, Inc. 2,716,425, Cl. 137—620.
- Yarbrough, John A.: *See*—  
Cain, Claude W., and Yarbrough. 2,706,846.
- Yarbrough, Stanton L.: *See*—  
Rheem, Richard S., and Yarbrough. 2,701,554.
- Yarbrough, Stanton L., to Rheem Mfg. Co. 2,703,569, Cl. 126—307.
- Yardley, Alfred H., to Joseph Lucas Ltd. 2,707,256, Cl. 318—75.
- Yardley Plastics Co.: *See*—  
Rosel, Robert W. 2,722,237.
- Yard-Man, Inc.: *See*—  
Funk, Truman B. 2,720,560.
- Yardney International Corp.: *See*—  
André, Henri G. 2,701,332.  
Chapman, Christopher L. C. 2,719,874.  
Howard, Paul L. 2,724,732.  
Howard, Paul L. 2,724,734.
- Yarmak, Julius: *See*—  
Pearson, David, and Yarmak. 2,725,039.
- Yarnall-Waring Co.: *See*—  
Kinderman, Walter J. 2,716,892.  
McKee, John F. 2,724,399.
- Yarnell, Lorace A.,  $\frac{1}{2}$  to V. R. Marsh. 2,706,642, Cl. 280—41.
- Yasso, George H. 2,704,623, Cl. 222—456.
- Yates, Cecil F., R. C. Baird, and R. C. Sollars, to The Fluor Corp., Ltd. 2,715,331, Cl. 73—1.
- Yates, Charles E., to International Smelting and Refining Co. 2,715,385, Cl. 118—12.
- Yates, Charles G., Jr., and F. A. Gaynor, to General Electric Co. 2,705,116, Cl. 244—77.
- Yates, Finis G.: *See*—  
Miller, Melvin G., and Yates. 2,711,927.
- Yates, Henry G., to The Parsons and Marine Engineering Turbine Research and Development Assn. 2,714,020, Cl. 285—90.
- Yates, John L. 2,710,333, Cl. 240—7.1.
- Yates, Richard C., and L. E. Owen, to Binghamton Metal Forms, Inc. 2,722,045, Cl. 25—118.
- Yates, William F.: *See*—  
Walker, Harry M., and Yates. 2,726,255.
- Yates, William F., to Monsanto Chemical Co. 2,726,257, Cl. 260—465.4.
- Yavitch, Morris. 2,705,542, Cl. 182—1.
- Yavne, Raphael O.: *See*—  
Pitman, Richard W., and Yavne. 2,699,846.
- Yeager, Albert J. 2,705,892, Cl. 74—242.3.
- Yeager, John A., to General Aniline & Film Corp. 2,709,536, Cl. 222—70.
- Yeager, Ulysses B. 2,715,047, Cl. 302—29.
- Yeamans, Wilfred H.: *See*—  
Hammerly, Herman J., Casey, and Yeamans. 2,701,894.
- Yeasting, Maynard C.: *See*—  
Bradley, Robert O., and Yeasting. 2,728,285.
- Yeasting, Maynard C., to Toledo Scale Co. 2,712,082, Cl. 307—133.
- Yeaton, Raymond A.: *See*—  
Lawrance, Richard B., and Yeaton. 2,709,034.
- Yeboles, Saturnino. 2,713,684, Cl. 2—116.
- Yehuda, Ben-Zion. 2,720,067, Cl. 51—270.
- Yeiser, Andrew S.: *See*—  
Lundgren, Harold P., Binkley, and Yeiser. 2,715,592.
- Yelle, Orville D. 2,702,569, Cl. 144—136.
- Yellen, Inc.: *See*—  
Yellen, Maxwell. 2,723,712.
- Yellen, Maxwell,  $\frac{1}{2}$  to Yellen, Inc., and  $\frac{1}{2}$  to Sondra Kay, Inc. 2,723,712, Cl. 155—187.
- Yellin, Bernard, to Bernard Edward Co. 2,708,900, Cl. 119—17.
- Yellott, John I., to Bituminous Coal Research, Inc. 2,699,039, Cl. 60—39.46.
- Yelmgren, Alden E.: *See*—  
Kantrowitz, Morris S., and Yelmgren. 2,703,295.
- Yen, Ernest C., and F. E. Stirn, to American Cyanamid Co. 2,727,833, Cl. 117—94.
- Yendall, Edward F., and G. H. Zenner, to Union Carbide and Carbon Corp. 2,709,348, Cl. 62—123.
- Yeomans Brothers Co.: *See*—  
Ciabattari, Emil J. 2,725,825.  
Tholl, Ernest M. 2,722,461.
- Yerkes, Arnold P. 2,722,709, Cl. 15—343.
- Yerkes, Dean H., to Allis-Chalmers Mfg. Co. 2,699,105, Cl. 97—230.
- Yerkes, Frederick A. 2,721,394, Cl. 33—203.2.
- Yerrick, William D., to The Air Preheater Corp. 2,701,129, Cl. 257—6.
- Yetter, Edward W., to Sun Oil Co. 2,709,918, Cl. 73—290.
- Yetter, Harry: *See*—  
Pritchard, Bernard E. 2,719,397.
- Yevick, George J., to the United States of America as represented by the Secretary of the Navy. 2,724,054, Cl. 250—33.65.
- Yinger, Dora: *See*—  
Yinger, John E. 2,718,947.
- Yinger, John E.,  $\frac{1}{2}$  to D. Yinger. 2,718,947, Cl. 192—24.
- Yockey, Hubert P.: *See*—  
Hunt, Charles D'A., and Yockey. 2,712,223.
- Yockey, Hubert P., to the United States of America as represented by the United States Atomic Energy Commission. 2,715,694, Cl. 313—63.
- Yocum, Elmer L. 2,699,608, Cl. 33—46.



- Yoder, John H. 2,721,646, Cl. 198—177.  
Yoder, Raymond S., and H. F. Smith, to Motorola, Inc. 2,718,623, Cl. 336—192.  
Yodis, Anthony W., to Allied Chemical & Dye Corp. 2,725,280, Cl. 23—157.  
Yohn, Henry M.: *See*—  
Lockwood, Louis H., and Yohn. 2,720,230.  
Yokoi, Motoaki. 2,720,872, Cl. 123—65.  
Yokota, Sumio. 2,722,346, Cl. 222—526.  
York Corp.: *See*—  
Blum, Robert D. 2,712,927.  
Roseman, Richard E. 2,710,510.  
Stair, William S. 2,715,514.  
Stair, William S. 2,715,515.  
York Engineering & Construction Co.: *See*—  
MacGregor, James. 2,715,263.  
Yosano, Iku, to International Standard Electric Corp. 2,712,623, Cl. 318—29.  
Yoshida, Tadashi. 2,704,273, Cl. 204—51.  
Yoss, Adolph E.: *See*—  
Allen, Edwin H., Jr., and Yoss. 2,712,868.  
Yoss, Emanuel, deceased, by O. F. Yoss, executrix, to United States Tobacco Co. 2,724,309, Cl. 93—77.  
Yoss, Olive F.: *See*—  
Yoss, Emanuel. 2,724,309.  
Yost, Herman R.: *See*—  
Margles, Samuel G., and Yost. 2,723,020.  
Yost, John F., and I. B. Frederick, to American Cyanamid Co. 2,701,391, Cl. 18—57.  
Yost, Robert S.: *See*—  
Auten, Robert W., and Yost. 2,699,435.  
Yost, William G., to Producers Cotton Oil Co. 2,708,603, Cl. 302—49.  
Youger, Robert N. 2,702,892, Cl. 339—108.  
Youmans, Arthur H., to Well Surveys, Inc. 2,705,289, Cl. 250—83.6.  
Young, Alfred J. 2,704,080, Cl. 131—138.  
Young, Allan M., to General Electric Co. 2,704,063, Cl. 126—214.  
Young, Arthur J.: *See*—  
Thompson, Frederick C., Esterson, and Young. 2,716,711.  
Young, Arthur J., and D. C. Dehlsen, to English Electric Valve Co. Ltd. 2,724,069, Cl. 313—293.  
Young, Austin E.: *See*—  
Cook, Curtiss L., and Young. 2,708,397.  
Young, Austin F. B., to A. Reyrolle & Co. Ltd. 2,713,101, Cl. 200—147.  
Young, Carl: *See*—  
Thomsen, Fred. 2,710,120.  
Young, Charles A.: *See*—  
Midgley, Eric L., and Young. 2,721,584.  
Young, Charles J., to United States of America as represented by the Secretary of the Army. 2,716,048, Cl. 346—74.  
Young, Charles T. 2,711,449, Cl. 200—6.  
Young, Chester R. 2,708,041, Cl. 214—85.1.  
Young, Claude D., to The Foxboro Co. 2,703,018, Cl. 74—108.  
Young, David W.: *See*—  
Cottle, Delmer L., and Young. 2,705,724.  
Cottle, Delmer L., and Young. 2,711,415.  
Morway, Arnold J., Young, and Cottle. 2,723,957.  
Young, David W., and D. L. Cottle, to Esso Research and Engineering Co. 2,703,786, Cl. 252—42.7.  
Young, David W., D. L. Cottle, and L. K. Beach, to Esso Research and Engineering Co. 2,710,877, Cl. 260—485.  
Young, David W., D. L. Cottle, and W. F. Fischer, to Esso Research and Engineering Co. 2,716,096, Cl. 260—45.95.  
Young, David W., and D. L. Cottle, to Esso Research and Engineering Co. 2,723,286, Cl. 260—485.  
Young, De Walt S., to Eastman Kodak Co. 2,704,772, Cl. 260—618.  
Young, De Walt S., and G. F. Rodgers, to Eastman Kodak Co. 2,704,773, Cl. 260—620.  
Young, De Walt S., and G. F. Rodgers, to Eastman Kodak Co. 2,722,556, Cl. 260—625.  
Young, Don W. 2,725,746, Cl. 73—180.  
Young, Donald M., and B. Thompson, to Union Carbide and Carbon Corp. 2,700,662, Cl. 260—92.1.  
Young, Dorothy R.: *See*—  
Young, William D. 2,714,230.  
Young, Douglas, Inc.: *See*—  
Young, Lewis D. 2,709,517.  
Young, Lewis D. 2,711,820.  
Young, Lewis D. 2,717,073.  
Young, Douglass A., to Westinghouse Electric Corp. 2,718,869, Cl. 116—129.  
Young, Earle A., to Eastman Kodak Co. 2,719,288, Cl. 340—251.  
Young, Edward E., to J. W. Young & Sons Ltd. 2,728,535, Cl. 242—84.1.  
Young, Edward M., to Young Foundation Corp. 2,701,449, Cl. 61—53.  
Young, Einar T., to Sun Oil Co. 2,698,926, Cl. 339—91.  
Young, Ernest A. 2,712,886, Cl. 222—91.  
Young Foundation Corp.: *See*—  
Young, Edward M. 2,701,449.  
Young, Francis W., to United Aircraft Corp. 2,709,558, Cl. 248—74.  
Young, Frank W. 2,712,387, Cl. 210—199.  
Young, George A., Jr., to Regents of the University of Minnesota. 2,703,570, Cl. 128—1.  
Young, George G., to M. I. Glass. 2,716,839, Cl. 46—135.  
Young, George H. 2,702,606, Cl. 187—8.41.  
Young, Gerald W.: *See*—  
Flynn, Edward J., and Young. 2,700,212.  
Young, Gregory O.: *See*—  
Parode, Lowell C., and Young. 2,705,282.  
Young, Gregory O., to Hughes Aircraft Co. 2,710,915, Cl. 250—27.  
Young, Herbert, to National Brass Co. 2,698,763, Cl. 292—347.  
Young, Herbert. 2,702,720, Cl. 292—357.  
Young, Herbert, to National Brass Co. 2,707,649, Cl. 292—348.  
Young, Herbert. 2,728,597, Cl. 292—347.  
Young, Horace G., to N. Baker. 2,704,139, Cl. 189—92.  
Young, J. W., & Sons Ltd.: *See*—  
Young, Edward E. 2,728,535.  
Young, James F., to General Electric Co. 2,700,395, Cl. 137—523.  
Young, James F., to General Electric Co. 2,706,105, Cl. 257—36.  
Young, James F., to General Electric Co. 2,720,955, Cl. 192—18.  
Young, James H., to E. I. du Pont de Nemours and Co. 2,706,178, Cl. 252—99.  
Young, John C. 2,709,477, Cl. 155—10.  
Young, John P.,  $\frac{1}{2}$  to M. C. Casey. 2,726,011, Cl. 220—85.  
Young, John S. 2,719,052, Cl. 294—118.  
Young, Julius, and B. W. Colman, to Pakko Laboratories, Inc. 2,724,959, Cl. 70—408.  
Young, Julius, and B. W. Colman, to Pakko Laboratories, Inc. 2,728,670, Cl. 99—77.1.  
Young, Julius, and B. W. Colman, to Pakko Laboratories, Inc. 2,728,671, Cl. 99—77.1.  
Young, Julius, and B. W. Colman. 2,728,672, Cl. 99—77.1.  
Young, L. A., Spring & Wire Corp.: *See*—  
Heilman, Bernard. 2,715,988.  
Wood, Louis S. 2,719,637.  
Young, Lewis D., to Douglas Young, Inc. 2,709,517, Cl. 206—45.14.  
Young, Lewis D., to Douglas Young, Inc. 2,711,820, Cl. 206—45.19.  
Young, Lewis D., to Douglas Young, Inc. 2,717,073, Cl. 206—45.34.  
Young, Louise, and G. G. Harvey, to the United States of America as represented by the Secretary of the Navy. 2,699,501, Cl. 250—33.63.  
Young, Mary C. 2,701,884, Cl. 5—322.  
Young, Nancy L.: *See*—  
Young, William D. 2,714,230.  
Young, Philip E. 2,718,139, Cl. 73—32.  
Young, Philip E. 2,724,895, Cl. 33—1.  
Young, Philip E., to George S. Bailey Hat Co. 2,725,571, Cl. 2—178.  
Young, Ralph E. 2,702,173, Cl. 248—4.  
Young, Ralph M., and J. M. Tokar, to C. F. Braun & Co. 2,710,177, Cl. 261—114.  
Young, Ray C., and R. A. Rusca, to the United States of America as represented by the Secretary of Agriculture. 2,712,162, Cl. 19—78.  
Young, Raymond A. 2,716,460, Cl. 170—160.1.  
Young, Raymond A., to United States of America as represented by the Secretary of the Navy. 2,721,044, Cl. 244—2.  
Young, Richard V., and G. S. Dundon, to Eastman Kodak Co. 2,710,815, Cl. 117—34.  
Young, Richard W.: *See*—  
Anderson, George W., and Young. 2,722,526.  
Young, Richard W., and A. J. Barbaro, to American Cyanamid Co. 2,708,667, Cl. 260—112.  
Young, Robert E., to General Motors Corp. 2,700,889, Cl. 73—37.5.  
Young, Ruth R.: *See*—  
Franz, Ethan W. P. 2,725,975.  
Young, Stephen M.: *See*—  
Scarlett, Arthur A., and Young. 2,700,261.  
Scarlett, Arthur A., and Young. 2,704,429.  
Young, Thomas C., and T. B. Preston, to United States Rubber Co. 2,726,493, Cl. 51—168.  
Young, Thomas K., to Libbey-Owens-Ford Glass Co. 2,703,767, Cl. 117—211.  
Young, Vernon V., to Commercial Solvents Corp. 2,713,578, Cl. 260—239.1.  
Young, Victor M. 2,705,586, Cl. 227—49.  
Young, Walter L., C. J. Douglas, R. J. Stengl, and F. B. Bedwell, to Ozark-Mahoning Co. 2,723,659, Cl. 126—360.  
Young, William. 2,719,712, Cl. 268—126.  
Young, William D., 40% to D. R. Young, 20% to B. Y. Shorey, 20% to J. Y. Martin, and 20% to N. L. Young. 2,714,230, Cl. 19—144.5.  
Young, William E.: *See*—  
Mahaffy, Reid A., and Young. 2,711,473.  
Young, William J. 2,723,954, Cl. 210—2.  
Young, William L. 2,706,926, Cl. 84—451.  
Young, William R.: *See*—  
Pistey, John M., and Young. 2,700,099.  
Youngberg, Charles H.: *See*—  
Oehler, William P., and Youngberg. 2,704,018.  
Oehler, William P., and Youngberg. 2,728,179.  
Youngberg, Walter K. 2,724,509, Cl. 211—90.  
Youngren, Harold T., H. G. English, and S. V. Hettinger, Jr., to Borg-Warner Corp. 2,720,298, Cl. 192—99.  
Younghusband, Mary L., now by marriage Mary L. Ramsby. 2,698,944, Cl. 2—174.  
Youngnickel, William O., to Union Machine Co. 2,713,976, Cl. 241—26.



- Youngren, Harold T., H. G. English, and S. V. Hettinger, Jr., to Borg-Warner Corp. 2,699,076, Cl. 74—763.
- Youngren, Harold T., H. G. English, and S. V. Hettinger, Jr., to Borg-Warner Corp. 2,715,343, Cl. 74—765.
- Youngs, Alfred B.: *See—*  
Anderson, Roy H., and Youngs. 2,724,284.  
Lindeman, Jesse G., and Youngs. 2,725,809.
- Youngs, Delmar C., to Dow Corning Corp. 2,723,966, Cl. 260—46.5.
- Youngtown Sheet and Tube Co., The: *See—*  
Cooley, Kenneth D. 2,719,950.  
Cooley, Kenneth D., and Whitmore. 2,719,952.  
McMaster, Robert C. 2,719,949.  
Waldie, George A. 2,719,953.  
Whitmore, Robert W. 2,719,951.
- Youngtown Steel Door Co., The: *See—*  
Beauchamp, Wilfred A. 2,722,898.  
Blomberg, Harry. 2,711,700.  
Madland, Thorvald. 2,711,701.
- Youngtown Welding & Engineering Co., The: *See—*  
Townsend, Earl D. 2,701,546.  
Watson, Frank C. 2,709,680.
- Youngstrom, Clifford L. 2,709,837, Cl. 20—1.6.
- Yount, Stanley G. 2,707,553, Cl. 206—65.
- Yount, Stanley G. 2,722,165, Cl. 93—22.
- Youtz, Philip N., to Institute of Inventive Research. 2,720,017, Cl. 25—155.
- Yow, William P., Jr., and A. R. Phillips. 2,717,706, Cl. 214—383.
- Yuba Consolidated Gold Fields: *See—*  
Deaver, Charles V. 2,727,623.
- Yuba Mfg. Co.: *See—*  
Harris, Robert L., and Lothrop. 2,699,954.  
Lothrop, Marcus. 2,713,329.  
Von Bolhar, Edgar. 2,698,686.
- Yula, Henry F., to Yula Water Heaters, Inc. 2,714,139, Cl. 200—61.05.
- Yula Water Heaters, Inc.: *See—*  
Yula, Henry F. 2,714,139.
- Yule, John A. C., to Eastman Kodak Co. 2,721,892, Cl. 178—5.2.
- Yule, John A. C., and R. E. Maurer, to Eastman Kodak Co. 2,708,626, Cl. 95—5.
- Yundt, Albert P., to Camp Mfg. Co., Inc. 2,706,155, Cl. 92—3.
- Yungman, Elroy W., to West Coast Aero Tool Co. 2,725,639, Cl. 33—191.
- Yunker, George, 30% to E. E. Meier, and 15% to B. H. Ginther. 2,716,166, Cl. 200—61.5.
- Yunker, George. 2,721,237, Cl. 200—61.49.
- Yurdin, Alfred. 2,712,326, Cl. 138—99.
- Yurko, Malvin M., to Socony Mobil Oil Co., Inc. 2,722,475, Cl. 23—288.
- Yutzler, Fred W.: *See—*  
Kent, Moss A., and Yutzler. 2,719,596.
- Yutzy, Henry C., and B. H. Carroll, to Eastman Kodak Co. 2,713,305, Cl. 101—149.1.
- Yutzy, Henry C., and E. C. Yackel, to Eastman Kodak Co. 2,716,059, Cl. 95—6.
- Yutzy, Henry C., and H. B. Cowden, to Eastman Kodak Co. 2,725,298, Cl. 95—88.
- Yutzy, Henry C., and G. F. Frame, to Eastman Kodak Co. 2,728,662, Cl. 95—7.
- Yuza, Rudolph A., to Mills Industries, Inc. 2,723,052, Cl. 222—133.
- Z & W Machine Products, Inc.: *See—*  
Ziherl, Frank A. 2,705,171.
- Zabel, Bruno, deceased; M. C. Zabel, administratrix, 1/2 to V. Spinosa. 2,707,793, Cl. 15—226.
- Zabel, Carroll W., to the United States of America as represented by the Secretary of the Navy. 2,704,810, Cl. 250—31.
- Zabel, Carroll W., to the United States of America as represented by the Secretary of the Navy. 2,714,707, Cl. 333—21.
- Zabel, George W., to Fairbanks, Morse & Co. 2,698,468, Cl. 22—112.
- Zabel, Jacob. 2,706,323, Cl. 26—15.
- Zabel, Mathilda C.: *See—*  
Zabel, Bruno. 2,707,793.
- Zabriskie, Douglas M., to The Western Union Telegraph Co. 2,723,897, Cl. 346—139.
- Zabriskie, William A., to Gabriel Steel Co. 2,723,772, Cl. 214—730.
- Zachar, John: *See—*  
Van Ess, Paul R., and Zachar. 2,726,236.
- Zachariason, Richard H., to Radio Corp. of America. 2,708,168, Cl. 106—84.
- Zachariason, Richard H., to Radio Corp. of America. 2,710,286, Cl. 252—301.6.
- Zademach, Erich R., and W. W. Clarke. 2,698,628, Cl. 134—112.
- Zaffarano, Frank P., to the United States of America as represented by the Secretary of the Navy. 2,702,856, Cl. 250—27.
- Zahel, Jaroslav. 2,700,371, Cl. 120—18.
- Zahnradfabrik Friedrichshafen, Aktiengesellschaft: *See—*  
Maier, Albert. 2,723,739.
- Zahodiakin, Victor F. 2,707,661, Cl. 309—45.
- Zahradka, Jerome G.: *See—*  
Salners, Edward A., Setser, and Zahradka. 2,720,876.
- Zaiger, Louis. 2,702,395, Cl. 15—98.
- Zaiger, Louis, and R. I. Lappin. 2,714,810, Cl. 64—29.
- Zaiger, Max: *See—*  
Nesson, Israel. 2,703,900.  
Nesson, Israel. 2,703,901.  
Nesson, Israel. 2,709,825.
- Zakrajsek, Joseph J., to The Ohio Gear Co. 2,712,246, Cl. 74—426.
- Zalkind, Albert M.: *See—*  
Zalkind, Philip. 2,710,219.
- Zalkind, Albert M. 2,723,464, Cl. 35—32.
- Zalkind, Joseph. 2,711,793, Cl. 164—84.5.
- Zalkind, Joseph. 2,711,911, Cl. 282—29.
- Zalkind, Mollie: *See—*  
Zalkind, Philip. 2,710,219.
- Zalkind, Philip, deceased; A. M. and M. Zalkind, administrators. 2,710,219, Cl. 294—87.28.
- Zallea, James P. 2,699,959, Cl. 285—90.
- Zalm, Pieter, and J. van den Boomgaard, to Hartford National Bank and Trust Co., trustee. 2,717,244, Cl. 252—301.6.
- Zamierowski, Leon. 2,703,213, Cl. 248—44.
- Zampini, Arthur. 2,710,238, Cl. 311—2.
- Zand, Stephen J., and R. E. Forrester, to Aero Supply Mfg. Co. 2,726,671, Cl. 137—98.
- Zandelin, Johan S. 2,721,556, Cl. 129—20.
- Zander, Waldo H.: *See—*  
Zander, Waldo H. and F. D., and Wilson. 2,726,819.
- Zander, Waldo H. and F. D., and D. I. Wilson, to McGraw Electric Co. 2,726,819, Cl. 242—9.
- Zandmer, Solis M. 2,708,000, Cl. 166—100.
- Zandmer, Solis M., and A. J. Jacobs; said Jacobs assor. to said Zandmer. 2,707,997, Cl. 166—46.
- Zane, Edward E., and C. J. Caron, to Mojud Co., Inc. 2,713,783, Cl. 66—1.
- Zanelli, Albert P. 2,723,826, Cl. 248—360.
- Zanger, Arnold. 2,724,254, Cl. 68—22.
- Zängl, Karl. 2,721,355, Cl. 18—17.
- Zankey, Harry E., to W. E. Moore and Co. 2,727,585, Cl. 183—4.5.
- Zanotta, Alfred S. 2,727,340, Cl. 51—178.
- Zappone, Charles F.: *See—*  
Zappone, John B. and C. F., and Svetahor. 2,728,117.
- Zappone, John B. and C. F., and A. H. Svetahor, to Keystone Alloys Co. 2,728,117, Cl. 20—52.2.
- Zarnack, Werner. 2,711,884, Cl. 261—44.
- Zarra, Rinaldo D. 2,710,108, Cl. 215—13.
- Zartler, Herbert P., to Wittek Mfg. Co. 2,724,885, Cl. 24—279.
- Zastrow, Harold G., to Waldorf Paper Products Co. 2,727,677, Cl. 229—52.
- Zaug, William C., to Telephonics Corp. 2,704,133, Cl. 181—31.
- Zauner, Otto: *See—*  
Hughes, William E., Jr., and Zauner. 2,718,731.
- Zausner, Solomon. 2,709,838, Cl. 20—2.
- Zavales, Charles T., to F-R Machine Works. 2,724,073, Cl. 315—29.
- Zavist, Algerd F.: *See—*  
Richardson, Charles D., and Zavist. 2,707,204.
- Zawacki, John P.: *See—*  
Boitnott, Boyd D., and Zawacki. 2,726,104.
- Zay, Anthony: *See—*  
Wright, Richard H., and Zay. 2,703,694.
- Zayan, Henri C. 2,701,668, Cl. 222—484.
- Zayets, William M.: *See—*  
Halter, Cyril. 2,705,039.
- Zbornik, Thomas W., N. F. Morehouse, and A. W. Walde, to Dr. Salsbury's Laboratories. 2,715,600, Cl. 167—53.1.
- Zdansky, Ewald A. 2,717,872, Cl. 204—256.
- Zearfoss, Elmer W., Jr., to Philco Corp. 2,705,876, Cl. 62—117.3.
- Zearfoss, Elmer W., Jr., to Philco Corp. 2,709,342, Cl. 62—4.
- Zearfoss, Elmer W., Jr., to Philco Corp. 2,719,407, Cl. 62—6.
- Zearfoss, Elmer W., Jr., and C. J. Reichardt, to Philco Corp. 2,709,900, Cl. 62—103.
- Zebarth, Ralph S., to Gordon Johnson Co. 2,710,985, Cl. 17—11.2.
- Zebarth, Ralph S., to Gordon Johnson Co. 2,715,492, Cl. 229—23.
- Zebarth, Ralph S., to Gordon Johnson Co. 2,718,027, Cl. 17—11.
- Zehley, Donald D. 2,720,792, Cl. 74—243.
- Zech, John D., to Devoe & Reynolds Co., Inc. 2,712,000, Cl. 260—47.
- Zeckendorf, William, and I. M. Pei, to Webb & Knapp, Inc. 2,698,973, Cl. 20—1.1.
- Zeckendorf, William, and A. H. McPhee, to Webb & Knapp, Inc. 2,704,609, Cl. 214—16.1.
- Zee, Chong-Hung. 2,722,236, Cl. 137—637.4.
- Zeeb, Elmer G., to Chrysler Corp. 2,715,448, Cl. 180—68.
- Zeeb, Stanley H.: *See—*  
Smisko, John, and Zeeb. Re. 23,925.
- Zeeb, Stanley H., to Aeroquip Corp. 2,709,090, Cl. 284—4.
- Zeeb, Stanley H., to Aeroquip Corp. 2,709,093, Cl. 285—120.
- Zeh, Alfred. 2,721,024, Cl. 230—55.
- Zehden, Walter: *See—*  
Menzies, Alexander C. G., Fensom, and Zehden. 2,717,401.
- Zehnder, Louis R.: *See—*  
Dilley, Morris M., and Zehnder. 2,710,342.
- Zehnder, Victor L.: *See—*  
McMichael, Charles E., Godbey, and Zehnder. 2,717,256.
- Zehrbach, Edgar L., to Westinghouse Electric Corp. 2,724,905, Cl. 34—75.



- Zeidler, Kurt: *See*—  
Kauffmann, Carl, and Zeidler. 2,723,715.
- Zeidler Mfg. Co., Inc.: *See*—  
De Frances, Lawrence. 2,708,322.  
De Frances, Lawrence. 2,708,460.
- Zeidler, Reinhold C., to Borg-Warner Corp. 2,717,673, Cl. 192—3.2.
- Zeier, Frederick F., to The Singer Mfg. Co. 2,718,859, Cl. 112—199.
- Zeier, Frederick F., to The Singer Mfg. Co. 2,725,840, Cl. 112—254.
- Zeigler, Karl, and H.-G. Gellert. 2,699,457, Cl. 260—683.15.
- Zeigler, Paul P., to Kaiser Aluminum & Chemical Corp. 2,705,353, Cl. 22—200.1.
- Zeigler, Paul P., to Kaiser Aluminum & Chemical Corp. 2,708,297, Cl. 22—57.2.
- Zeiss, Carl: *See*—  
Bauersfeld, Walther. 2,698,554.  
Hansen, Gerhard. 2,705,434.  
Köhler, Horst, and Knutti. 2,721,500.  
Lange, Günther. 2,720,140.  
Lange, Günther. 2,724,994.  
Littmann, Hans. 2,705,490.  
Michel, Kurt, Kinder, and Küppenbender. 2,720,138.  
Räntsch, Kurt. 2,699,092.
- Zeiss Ikon A. G.: *See*—  
Taessler, Rudolf. 2,715,351.  
Wohrle, Carl H. H. 2,706,394.
- Zeiss Ikon A. G., Stuttgart: *See*—  
Krauskopf, Wilhelm. 2,710,911.
- Zeitlin, Edward J., H. S. Thorn, and L. R. Leighton, to Heat Timer Corp. 2,727,203, Cl. 318—480.
- Zeitlin, Eli A. 2,715,007, Cl. 248—180.
- Zeitew, Edward. 2,714,479, Cl. 224—26.
- Zelante, Ray D. 2,699,719, Cl. 99—336.
- Zeke, Andrew. 2,728,081, Cl. 2—153.
- Zelenay, Ludwig. 2,716,794, Cl. 24—113.
- Zelenetz, Morris: *See*—  
McGauley, Patrick J., and Zelenetz. 2,721,795.
- Zelkowitz, Philip, to Empire Oil Co. 2,704,931, Cl. 68—213.
- Zeller & Gmelin: *See*—  
Wagner, Adolf, and Hugel. 2,726,163.
- Zeller, Lewis A.: *See*—  
Vanderspek, Robert V., and Zeller. 2,723,809.
- Zeller, Theodore. 2,719,444, Cl. 81—3.42.
- Zelley, William E., to John A. Roebling's Sons Corp. 2,715,959, Cl. 205—14.
- Zeliner, Karl M. 2,717,985, Cl. 339—19.
- Zellner, Robert J., and P. J. Ehman, to Ansul Chemical Co. 2,722,552, Cl. 260—601.
- Zellstoffabrik Waldhof: *See*—  
Dimroth, Karl J., Holle, Hamm, and Jaenicke. 2,698,844.  
Reiff, Ferdinand, and Kirchhoff. 2,719,148.
- Zellweger, Conrad, to La Nationale S. A. 2,710,506, Cl. 62—1.
- Zellweger, Conrad, to La Nationale S. A. 2,711,082, Cl. 62—14.
- Zellweger, Conrad J. J., to La Nationale S. A. 2,714,805, Cl. 62—1.
- Zelnick, Charles, to The Lufkin Rule Co. 2,713,206, Cl. 33—115.
- Zelnick, Charles, to The Lufkin Rule Co. 2,726,626, Cl. 116—129.
- Zelnick, Charles, to The Lufkin Rule Co. 2,727,701, Cl. 242—84.9.
- Zemelka, John: *See*—  
Miura, John H., and Zemelka. 2,705,893.  
Miura, John H., and Zemelka. 2,726,551.
- Zen, Nobuo: *See*—  
Kodama, Shinjiro, Goto, Komiyama, Ota, and Zen. 2,716,629.
- Zenatti, Emile A. 2,708,928, Cl. 128—2.05.
- Zenftman, Henryk: *See*—  
Wright, Harold R., Zenftman, and Whitworth. 2,716,056.
- Zenftman, Henryk, and E. Whitworth, to Imperial Chemical Industries Ltd. 2,725,394, Cl. 260—461.
- Zenith Radio Corp.: *See*—  
Adler, Robert. 2,702,874.  
Adler, Robert. 2,717,972.  
Adler, Robert. 2,718,553.  
Adler, Robert. 2,719,229.  
Adler, Robert. 2,722,622.  
Bridges, Jack E. 2,702,875.  
Chelgren, Arvid E., Bell, and Matthews. 2,726,334.  
Chelgren, Arvid E., Bell, and White. 2,700,729.  
Cotsworth, Albert, III. 2,700,074.  
Cotsworth, Albert, III. 2,709,201.  
Druz, Walter S. 2,705,740.  
Dufield, Garth L. 2,719,963.  
Farbanish, Walter. 2,702,860.  
Gray, Richard O. 2,718,551.  
Johnson, Roland S. 2,719,922.  
Lucas, Jack J. 2,727,213.  
Mullaney, Ralph A. 2,701,721.  
Spindler, Joseph C. 2,702,347.  
Spracklen, John G. 2,721,895.  
Steinke, Carl J. 2,708,088.
- Zenner, George H.: *See*—  
Yendall, Edward F., and Zenner. 2,709,348.
- Zenner, Walter J., to Teletype Corp. 2,718,555, Cl. 178—92.
- Zenner, Walter J., to Teletype Corp. 2,727,091, Cl. 178—17.
- Zentner, John. 2,708,377, Cl. 76—85.
- Zepelovitch, Nathan, to N. A. Bernstein. 2,705,573, Cl. 215—52.
- Zepik, Oswald A. 2,728,588, Cl. 280—145.
- Zerlaut, Leonard E., to Narmco, Inc. 2,720,244, Cl. 154—1.8.
- Zern, Charles B., and F. Schwarzer; said Schwarzer assor, to said Zern. 2,698,484, Cl. 33—27.
- Zernov, Peter, to Mercury Engineering Corp. 2,703,263, Cl. 308—74.
- Zero, Anthony F. 2,711,653, Cl. 74—25.
- Zero Mfg. Co.: *See*—  
Duncan, George R. 2,702,019.
- Zeruneith, Rudolph E.: *See*—  
Sirmay, Julius, and Zeruneith. 2,705,410.
- Zervas, Paul: *See*—  
Suckfüll, Fritz, and Zervas. 2,718,518.  
Suckfüll, Fritz, and Zervas. 2,721,191.
- Zerweck, Werner, E. Honold, and M. Schubert, to Cassella Farbwerte Mainkur Aktiengesellschaft. 2,727,894, Cl. 260—276.
- Zerwes, Paul J., to Advance Transformer Co. 2,722,671, Cl. 339—198.
- Zesbaugh, Lawrence G., to Minnesota and Ontario Paper Co. 2,711,575, Cl. 29—148.4.
- Zetwo, Regis H., to Westinghouse Air Brake Co. 2,712,619, Cl. 317—234.
- Zibrun, Joseph. 2,719,530, Cl. 137—37.
- Zichichi, Anthony. 2,718,853, Cl. 107—47.
- Zickendraht, Christian: *See*—  
Buehler, Arthur, and Zickendraht. 2,727,032.
- Zickendraht, Christian, and A. Buehler, to Ciba Ltd. 2,727,031, Cl. 260—147.
- Zide, Ralph, to Perc-Tone Aluminum Products, Inc. 2,705,813, Cl. 16—116.
- Ziebell, William J., to The A. C. Gilbert Co. 2,706,804, Cl. 339—256.
- Ziebolz, Herbert, to Askania Regulator Co. 2,699,356, Cl. 299—73.
- Ziebolz, Herbert, to Askania Regulator Co. 2,724,397, Cl. 137—83.
- Ziebolz, Herbert, M. E. Campbell, and J. A. Baring, to Askania Regulator Co. 2,712,184, Cl. 35—10.
- Ziebolz, Herbert, M. E. Campbell, and J. A. Baring, to Askania Regulator Co. 2,712,414, Cl. 235—61.
- Ziegler, Alfred: *See*—  
Haberkorn, Rudolf, and Ziegler. 2,719,681.
- Ziegler, Arthur W., to Bell Telephone Laboratories, Inc. 2,709,147, Cl. 154—128.
- Ziegler, Brandt F., Jr., to The Hoover Co. 2,727,762, Cl. 285—169.
- Ziegler, Carl: *See*—  
Sprague, James M., and Ziegler. 2,724,715.
- Ziegler, Carl, to Merck & Co., Inc. 2,717,904, Cl. 260—472.
- Ziegler, Carl, to Merck & Co., Inc. 2,717,905, Cl. 260—472.
- Ziegler, George E., to Zonolite Co. 2,715,583, Cl. 106—110.
- Ziegler, Günther: *See*—  
Edelblut, Johann, and Ziegler. 2,722,680.
- Ziegler, Kurt. 2,711,716, Cl. 120—32.
- Ziegler, Walter H., to Storkline Furniture Corp. 2,725,590, Cl. 16—135.
- Ziegner, Heinrich, to Accumulatoren-Fabrik Aktiengesellschaft. 2,711,434, Cl. 260—722.
- Ziehr, Donald J., to Allis-Chalmers Mfg. Co. 2,728,810, Cl. 174—75.
- Zieler, Erich, to Hartford National Bank and Trust Co., trustee. 2,699,506, Cl. 250—83.6.
- Zielke, Clyde W.: *See*—  
Gorin, Everett, and Zielke. 2,717,868.
- Ziemelis, Karl G.: *See*—  
Reader, Ernest G., Ziemelis, and Karageorgieff. 2,714,315.
- Ziemiak, Leo W., to Chilean Nitrate Sales Corp. 2,698,819, Cl. 167—17.
- Zienty, Ferdinand B., to Monsanto Chemical Co. 2,701,248, Cl. 260—306.7.
- Zienty, Ferdinand B., and A. J. Speziale, to Monsanto Chemical Co. 2,704,300, Cl. 260—618.
- Ziep, Gustav A., to M. Bergman. 2,727,763, Cl. 285—196.
- Zier, Albert: *See*—  
Kiebler, Myron W., Jr., and Zier, and Euchner. 2,717,882.
- Zierer, Wallace E., to Chrysler Corp. 2,705,540, Cl. 180—54.
- Ziesmer, Richard. 2,726,082, Cl. 268—117.
- Ziffer, Garret F., to Tracerlab, Inc. 2,708,721, Cl. 250—43.5.
- Ziffer, Garret F., to Tracerlab, Inc. 2,728,858, Cl. 250—36.
- Zig Zag Spring Co.: *See*—  
Norman, Harry H. 2,708,964.
- Ziherl, Frank A. to Z & W Machine Products, Inc. 2,705,171, Cl. 299—86.
- Zilliken, Friedrich: *See*—  
György, Paul, Kuhn, and Zilliken. 2,710,806.  
György, Paul, Kuhn, and Zilliken. 2,710,807.
- Zimbalist, William H. 2,723,489, Cl. 46—99.
- Zimmer, Bernard P. 2,714,893, Cl. 134—93.
- Zimmer, Clyde R., to E. I. Brach & Sons. 2,725,831, Cl. 107—54.
- Zimmer, Myron J., and E. L. Duskey, to Ekco Products Co. 2,702,046, Cl. 137—467.
- Zimmerley, Stuart R., and M. W. Wilson, to Kennecott Copper Corp. 2,724,500, Cl. 209—166.
- Zimmerman, Carl W., to Schlumberger Well Surveying Corp. 2,719,948, Cl. 324—5.
- Zimmerman, Frederick H. 2,722,388, Cl. 243—18.
- Zimmerman, Harold F., to the United States of America as represented by the Secretary of the Army. 2,715,825, Cl. 67—98.



- Zimmerman, Harry. 2,704,482, Cl. 84—403.  
 Zimmerman, Haven M.: *See*—  
   Greenlee, Delbert L. and H. B., and Zimmerman. 2,709,437.  
 Zimmerman, Helen C. 2,718,912, Cl. 150—52.  
 Zimmerman, Herman W.: *See*—  
   Dodt, Elmer C., and Zimmerman. 2,717,798.  
 Zimmerman, Jack J., to Motorola, Inc. 2,728,890, Cl. 324—158.  
 Zimmerman, Jay V.: *See*—  
   Schoeneberg, Carl. 2,705,263.  
 Zimmermann & Jansen: *See*—  
   Scholl, Bernhard. 2,702,178.  
 Zimmermann, Richard, to Rosenkaimer G. m. b. H. 2,717,609, Cl. 135—40.  
 Zimmermann, Richard, and A. Völker, to Rosenkaimer G. m. b. H. 2,705,967, Cl. 135—22.  
 Zimmermann, Wilhelm: *See*—  
   Wendeborn, Helmut, and Zimmermann. 2,718,070.  
 Zimmerschied, Wilford J., to Standard Oil Co. 2,727,010, Cl. 252—411.  
 Zimmerschied, Wilford J., and H. Shalit, to Standard Oil Co. 2,726,991, Cl. 196—28.  
 Zimpel, Adolf, to Stahl- und Rohrenwerk Reisholz Gesellschaft mit Beschränkter Haftung. 2,728,373, Cl. 153—80.5.  
 Zimsky, John J.: *See*—  
   Sefton, Robert C., and Zimsky. Re. 23,987.  
 Zimsky, John J., to McGraw Electric Co. 2,700,207, Cl. 29—155.58.  
 Zimsky, John J., to McGraw Electric Co. 2,718,193, Cl. 103—87.  
 Zimsky, John J., to McGraw Electric Co. 2,725,012, Cl. 103—87.  
 Zingheim, Julian A.: *See*—  
   Marcus, Samuel M., Rinn, and Zingheim. 2,709,361.  
   Marcus, Samuel M., Rinn, and Zingheim. 2,709,362.  
   Marcus, Samuel M., Rinn, and Zingheim. 2,715,470.  
 Zingler, Paul. 2,706,005, Cl. 169—4.  
 Zingone, Anthony E., to Neo-Ray Products, Inc. 2,712,594, Cl. 240—51.11.  
 Zink, Donald G.: *See*—  
   Butler, John R., Wew, and Zink. 2,724,641.  
 Zink, John L.: *See*—  
   Greer, Donald M., and Zink. 2,709,656.  
 Zinke, Erwin M. 2,718,253, Cl. 153—32.  
 Zinn, Otis E. 2,707,387, Cl. 72—0.5.  
 Zinn, Walter H.: *See*—  
   Fermi, Enrico, and Zinn. 2,714,577.  
 Zinn, Walter H., to the United States of America as represented by the United States Atomic Energy Commission. 2,714,668, Cl. 250—83.  
 Zinn, Walter H., to the United States of America as represented by the United States Atomic Energy Commission. 2,716,705, Cl. 250—108.  
 Zinn, Walter H., to the United States of America as represented by the United States Atomic Energy Commission. 2,719,823, Cl. 204—193.  
 Zint, George. 2,701,632, Cl. 197—84.  
 Zint, George. 2,706,989, Cl. 131—81.  
 Zinty, Marcel J., H. A. Rowan, and P. E. Gabelmann, to Magnus Chemical Co., Inc. 2,726,642, Cl. 121—150.  
 Zion, Moses, to The Lionel Corp. 2,721,984, Cl. 339—164.  
 Zipay, John: *See*—  
   Born, William F., and Zipay. 2,725,541.  
 Zippo Mfg. Co.: *See*—  
   Flickinger, Lester, and Pierotti. 2,704,447.  
 Zirconium Corp. of America: *See*—  
   Schoenlaub, Robert A. 2,721,115.  
   Schoenlaub, Robert A. 2,721,117.  
 Ziskal, Joseph F.: *See*—  
   Hubert, Clarence A., and Ziskal. 2,716,966.  
 Ziskal, Joseph F., to International Harvester Co. 2,699,150, Cl. 121—38.  
 Ziskin, Manuel S., and R. B. Billig, to Kromex Corp. 2,726,825, Cl. 242—55.4.  
 Zisman, William A.: *See*—  
   Merker, Robert L., and Zisman. 2,719,123.  
 Zitkus, Victor J., to Owens-Illinois Glass Co. 2,721,535, Cl. 118—301.  
 Zivanow, Dimitrije M. 2,714,467, Cl. 220—43.  
 Zletz, Alex: *See*—  
   Evering, Bernard L., Roebuck, and Zletz. 2,727,023.  
 Zobel, Alfred: *See*—  
   Becker, Helmut, Bender, Bergmann, Rost, and Zobel. 2,728,222.  
 Zocchi, Leon G. 2,713,094, Cl. 200—30.  
 Zoeller, Herman J.: *See*—  
   Perry, Stephen F., Zoeller, and Bailly. 2,723,942.  
 Zoll, Raymond F.: *See*—  
   Vanderberg, Lawrence J., and Zoll. 2,728,226.  
 Zöller, Hans. 2,712,302, Cl. 121—157.  
 Zoller, Howard F.: *See*—  
   Kennison, Adrian B., and Zoller. 2,702,627.  
 Zollner, Fred. 2,713,526, Cl. 309—14.  
 Zoltok, Harry. 2,704,665, Cl. 267—65.  
 Zonite Products Corp.: *See*—  
   Coopridge, Rex C., and Mina. 2,702,957.  
 Zonolite Co.: *See*—  
   Goff, David C. 2,707,984.  
   Ziegler, George E. 2,715,583.  
 Zook, William M., to Kalamazoo Tank and Silo Co. 2,706,503, Cl. 143—158.  
 Zophel, Emil. 2,705,029, Cl. 143—88.  
 Zozulin, Igor: *See*—  
   Okulitch, George J., Zozulin, and Atkinson. 2,699,283.  
 Zrodowski, Joseph J., to General Electric Co. 2,726,523, Cl. 64—9.  
 Zubler, Camp M., and C. G. Bird. 2,709,589, Cl. 272—1.  
 Zublin, John A. 2,699,920, Cl. 255—1.6.  
 Zublin, John A. 2,706,615, Cl. 255—1.6.  
 Zublin, John A. 2,708,099, Cl. 255—1.6.  
 Zublin, John A. 2,717,146, Cl. 255—28.  
 Zublin, John A. 2,722,494, Cl. 148—19.  
 Zubricky, Adam P. 2,720,306, Cl. 206—16.  
 Zuck, Daniel R. 2,708,587, Cl. 280—278.  
 Zuck, Donald A.: *See*—  
   Gerzon, Koert, and Zuck. 2,715,622.  
 Zuck, Donald A., and W. H. Rix, to Eli Lilly and Co. 2,718,486, Cl. 167—55.  
 Zuck, Victor I., to The Rudolph Wurlitzer Co. 2,699,085, Cl. 84—1.04.  
 Zucker, Abraham H. 2,717,405, Cl. 15—147.  
 Zucker, Frank C. 2,719,690, Cl. 248—183.  
 Zucker, Manny: *See*—  
   Simon, Alfred J., and Zucker. 2,720,655.  
 Zucker, William. 2,726,893, Cl. 296—44.  
 Zuckerman, Samuel G.,  $\frac{1}{2}$  to H. Glatzer, as trustee, and  $\frac{1}{8}$  to M. Forman. 2,707,834, Cl. 33—166.  
 Zucrow, Maurice J., to The M. W. Kellogg Co. 2,708,341, Cl. 60—39.06.  
 Zucrow, Maurice J., to Aerojet-General Corp. 2,714,286, Cl. 60—35.6.  
 Zuerker, Siegfried, to General Electric Co. 2,707,246, Cl. 313—79.  
 Zuerker, Siegfried, to General Electric Co. 2,718,606, Cl. 313—76.  
 Zugel, Victor A., and C. H. Heigl, to Macey Co. 2,702,189, Cl. 270—58.  
 Zühlke, Marcel, to Siemens-Schuckertwerke Aktiengesellschaft. 2,707,740, Cl. 200—150.  
 Zuhn, Arthur A., and J. H. Parks, to Caterpillar Tractor Co. 2,721,072, Cl. 264—3.  
 Zumeta, Herman V. 2,704,861, Cl. 18—42.  
 Zummach, Karl G., to Briggs Mfg. Co. 2,702,588, Cl. 155—179.  
 Zumwalt, Robert F., to Wales-Strippit Corp. 2,711,313, Cl. 267—1.  
 Zuppinger, Paul: *See*—  
   Widmer, Gustav, and Zuppinger. 2,700,030.  
 Zurawski, Edward F., to Garden City Plating & Mfg. Co. 2,724,047, Cl. 240—51.11.  
 Zurbuchen, Louis E.: *See*—  
   Werner, Frank R., Sterzer, and Zurbuchen. 2,710,576.  
 Zurick, Albert T.: *See*—  
   Harless, Charles A., Worthington, and Zurick. 2,728,292.  
 Zurmühle, Ernest, to Constructions Mecaniques S. A. Renens. 2,712,287, Cl. 104—12.  
 Zurn, J. A., Mfg. Co.: *See*—  
   Schmid, John H. 2,702,391.  
   Schmid, John H. 2,712,871.  
 Zutavern, Philipp A., Gempp, and W. Mothes, to Knoll A. G. Chemische Fabriken. 2,712,018, Cl. 260—285.  
 Zutter, Hans: *See*—  
   Suter, Hans, and Zutter. 2,711,424.  
 Zveibil, Salvador M. 2,699,823, Cl. 160—62.  
 Zveibil, Salvador M. 2,699,824, Cl. 160—62.  
 Zwack, Raymond T.: *See*—  
   Mergen, Joseph M., Zwack, and Knapp. 2,720,927.  
 Zwald, Henry J.: *See*—  
   Gartner, Stanley J., and Zwald. 2,717,092.  
 Zwaska, John M. 2,724,317, Cl. 97—125.  
 Zweidler, Reinhard, and E. Keller, to J. R. Geigy A. G. 2,713,057, Cl. 260—308.  
 Zweigbaum, Harold, to the United States of America as represented by the Secretary of the Army. 2,699,547, Cl. 343—17.7.  
 Zwelling, Martin I., to McGraw Electric Co. 2,707,156, Cl. 117—72.  
 Zwick, Kurt, to H. and F. W. Deckel. 2,703,510, Cl. 90—13.1.  
 Zwick, Kurt, to H. and F. W. Deckel. 2,713,289, Cl. 90—13.1.  
 Zwick, Kurt, to H. and F. W. Deckel. 2,713,290, Cl. 90—13.1.  
 Zwick, Kurt, to H. and F. W. Deckel. 2,715,859, Cl. 90—13.1.  
 Zwiesler, George J. 2,724,941, Cl. 56—26.5.  
 Zwilmeyer, Frithjof, to E. I. du Pont de Nemours and Co. 2,715,629, Cl. 260—304.  
 Zwingenberger, Arno, to K. Liebrandt. 2,699,052, Cl. 66—86.  
 Zwobada, René: *See*—  
   Touraton, Emile, Dumousseau, and Zwobada. 2,717,327.  
 Zworykin, Vladimir K., to Radio Corp. of America. 2,711,289, Cl. 235—61.  
 Zworykin, Vladimir K., to Radio Corp. of America. 2,725,420, Cl. 178—5.4.  
 Zyburt, Walter J., to Allied Chemical & Dye Corp. 2,700,034, Cl. 260—85.5.  
 Zyburt, Walter J., to Allied Chemical & Dye Corp. 2,721,785, Cl. 18—54.  
 Zylstra, John J., and J. C. Mueller, to Rheem Mfg. Co. 2,709,997, Cl. 126—116.  
 Zynda, Alfred E. and H. F. 2,726,892, Cl. 292—341.14.  
 Zynda, Herbert F.: *See*—  
   Zynda, Alfred E. and H. F. 2,726,892.







1955

# LIST OF DESIGN PATENTEES

- A. R. A. Mfg. Co.: *See*—  
 Lind, William E. 175,625.  
 Aaronson, Silman H. 175,820, Cl. D81—10.  
 Abbott, Dorothy, to Campus Belt, Inc. 174,306, Cl. D3—10.  
 Abbott Laboratories: *See*—  
 Fields, Mack R., Ryan, and McMinn. 174,985.  
 Abco Metal Products, Inc.: *See*—  
 McCraw, Douglas H. 175,791.  
 Abel, Frederick, to The Huffman Mfg. Co. 173,777, Cl. D90—8.  
 Abeles, Murray J., and C. A. Troutman. 175,002, Cl. D56—4.  
 Aberney Corp.: *See*—  
 Berney, Harold J. 174,937.  
 Abildgaard, William H., to Livestock Sprayer Mfg. Co. 174,208, Cl. D12—2.  
 Abrams, Henry. 175,703, Cl. D14—6.  
 Accardi, Lonard J. 175,098, Cl. D47—7.  
 Acme Steel Co.: *See*—  
 Moxley, Murray. 176,473.  
 Acris Manufacturing Co., Inc.: *See*—  
 Dietz, Robert E. 176,313.  
 Adams, Jeanne L. 174,483, Cl. D29—1.  
 Addressograph-Multigraph Corp.: *See*—  
 Hueber, Carl J., and Oatess. 175,168.  
 Adler, Adolf E. 174,406, Cl. D26—14.  
 Adler, Samuel E., to Admiral Corp. 174,072, Cl. D56—4.  
 Adler, Samuel E., to Admiral Corp. 175,003, Cl. D56—4.  
 Adler, Samuel E., to Admiral Corp. 175,382, Cl. D56—4.  
 Admiral Corp.: *See*—  
 Adler, Samuel E. 174,072.  
 Adler, Samuel E. 175,003.  
 Adler, Samuel E. 175,382.  
 Mason, John W. 173,961.  
 Mason, John W. 173,962.  
 Mason, John W. 173,963.  
 Mason, John W. 174,093.  
 Mason, John W. 174,701.  
 Wilson, Lawrence H. 174,364.  
 Aero-Nautical Boat Shop, Inc.: *See*—  
 Lyman, Joseph. 175,424.  
 Aeschliman, Eugene, to Avco Mfg. Corp. 175,290, Cl. D56—4.  
 Af Odencrants, Henning, to North and Judd Mfg. Co. 173,878, Cl. D17—1.  
 Agajanian, Benjamin J. 173,778, Cl. D34—5.  
 Agnew, Gilmore W., and R. B. Leatham. 174,975, Cl. D48—23.  
 Ahl, Harry C.: *See*—  
 Collins, Anna E. and L. A. 173,978.  
 Ahl, Thelma F.: *See*—  
 Collins, Anna E. and L. A. 173,978.  
 Ahlbin, Fred E., to John Ahlbin and Sons Inc. 175,578, Cl. D22—5.  
 Ahlbin, Fred E., to John Ahlbin and Sons, Inc. 176,169, Cl. D22—5.  
 Ahlbin, John, and Sons, Inc.: *See*—  
 Ahlbin, Fred E. 175,578.  
 Ahlbin, Fred E. 176,169.  
 Ahrens, Claude W. 174,847, Cl. D34—5.  
 Airfix Products Ltd.: *See*—  
 Kove, Nicholas. 174,127.  
 Airguide Instrument Co.: *See*—  
 Taylor, Howard S. 175,375.  
 Taylor, Howard S. 175,654.  
 Airkem, Inc.: *See*—  
 Paxton, Worthen. 174,465.  
 Air Reduction Co., Inc.: *See*—  
 Hughes, John, Jr. 176,260.  
 Air-Way Electric Appliance Corp.: *See*—  
 Florian, Gordon W. 174,382.  
 Ajax Hardware Mfg. Corp.: *See*—  
 Leichter, Newton S. 175,473.  
 Aladdin Industries, Inc.: *See*—  
 Bramming, Carl. 174,941.  
 Clemens, Charles. 174,676.  
 Clemens, Charles W. 174,677.  
 Clemens, Charles W. 174,799.  
 Clemens, Charles W. 174,946.  
 Clemens, Charles W. 175,461.  
 Clemens, Charles W. 175,462.  
 Clemens, Charles W. 175,494.  
 Clemens, Charles W. 175,587.  
 Clemens, Charles W. 175,588.  
 Clemens, Charles W. 175,589.  
 Clemens, Charles W. 175,590.  
 Aldis Brothers Ltd.: *See*—  
 Cook, Sidney A. 174,078.  
 Aleks, Vytant, to The Brearley Co. 175,750, Cl. D52—10.  
 Aleks, Vytant P., to National Lock Co. 175,452, Cl. D10—8.  
 Aleks, Vytant P., to National Lock Co. 175,751, Cl. D10—8.  
 Alex, Ralph P., to United Aircraft Corp. 173,779, Cl. D71—1.  
 Allen, Albert E. 176,399, Cl. D54—12.  
 Allen, Earl D. 176,092, Cl. D83—8.  
 Allen Electric & Equipment Co.: *See*—  
 Reynolds, Carl. 173,999.  
 Allen, Kenneth C., and D. A. Meeker, to The Hobart Mfg. Co. 174,846, Cl. D52—10.  
 Allen, Perry E. 174,668, Cl. D14—6.  
 Allen, Perry E. 174,671, Cl. D14—6.  
 Allen, R. S. 175,139, Cl. D33—8.  
 Allen, Robert Y.: *See*—  
 Shaw, Evan K., Allen, and Shaw. 175,987.  
 Shaw, Evan K., Allen, Shaw, and Loeffler. 175,132.  
 Allen, Robert Y., and E. K. and M. Shaw, to Metlox Mfg. Co. 174,669, Cl. D44—15.  
 Allender, Charles W. G. 174,670, Cl. D44—29.  
 Alley, Clement W., to Curtiss-Wright Corp. 175,004, Cl. D44—10.  
 Allgemeine Elektrizitäts-Gesellschaft: *See*—  
 Haseloff, Fritz. 176,329.  
 Alliance Mfg. Co., The: *See*—  
 Reinecke, Jean O. 174,235.  
 Altemiller, Arthur D., to Hercules Steel Products Corp. 173,974, Cl. D81—10.  
 Altemiller, Arthur D., to Hercules Steel Products Corp. 174,154, Cl. D81—10.  
 Altemiller, Arthur D., to Hercules Steel Products Corp. 175,526, Cl. D81—10.  
 Altman, Peter, L. D. Bakke, and R. T. Robinette, to Continental Motors Corp. 174,976, Cl. D77—1.  
 Aluminum Co. of America: *See*—  
 Guild, Lurelle. 173,843.  
 Guild, Lurelle. 175,072.  
 Keller, Nicholas W. 173,905.  
 Amdal, Dagfinn O., to National Lock Co. 175,453, Cl. D10—8.  
 Amdal, Dagfinn O., to National Lock Co. 175,454, Cl. D10—8.  
 Amend, Donald F. 174,155, Cl. D9—2.  
 Amerex Trading Corp.: *See*—  
 Breslauer, Henry E. 175,667.  
 American Arts & Crafts, Inc.: *See*—  
 Reif, Rubin. 175,643.  
 American Floor Surfacing Machine Co., The: *See*—  
 Dolan, Francis D. 175,396.  
 Dolan, Francis D. 176,111.  
 American Hardware Corp., The: *See*—  
 Bernhard, Benjamin S. 175,928.  
 American Hospital Supply Corp.: *See*—  
 Borin, Harlan F. 175,247.  
 American-Marietta Co.: *See*—  
 Palma, Joseph, Jr., and Knapp. 175,439.  
 American Optical Co.: *See*—  
 Armbruster, John T. 174,010.  
 Armbruster, John T. 176,300.  
 De Angelis, Armand. 174,983.  
 Tuomi, Astro J. 175,376.  
 American Photocopy Equipment Co.: *See*—  
 Jones, Charles E., and Crowle. 176,138.  
 American Radiator & Standard Sanitary Corp.: *See*—  
 Baker, Walter, Jr. 173,928.  
 Tiller, James A. 174,784.  
 Trout, Harry R., and Hill. 175,327.  
 Trout, Harry R., and Hill. 175,656.  
 Trout, Harry R., and Hill. 175,868.  
 Trout, Harry R., and Hill. 175,869.  
 American Seating Co.: *See*—  
 Brulin, Laurence W. 174,016.  
 Hoven, Alfred C., and Nordmark. 175,683.  
 American Sign and Indicator Corp.: *See*—  
 Williams, Charles M. 176,053.  
 American Type Founders, Inc.: *See*—  
 Brodersen, Harold T. 175,930.  
 Mullen, Jerry R. 175,970.  
 American Wringer Co., Inc.: *See*—  
 Keltie, George R. 173,845.  
 Ammon, Edwin M., and H. J. Griffith. 175,291, Cl. D31—4.  
 Ammon, Roscoe A. 175,140, Cl. D61—1.  
 Ammon, Roscoe A. 176,400, Cl. D52—1.  
 Ampoker, Dwight E., to The B. F. Goodrich Co. 173,864, Cl. D90—20.  
 Ampoker, Dwight E., to The B. F. Goodrich Co. 174,977, Cl. D90—20.  
 Ampoker, Dwight E., to The B. F. Goodrich Co. 175,996, Cl. D90—20.  
 Anderle, Joseph A., to Lorentzen Hardware Mfg. Corp. 174,407, Cl. D80—9.  
 Anderman, Frances. 174,484, Cl. D3—26.  
 Andersen, Robert G. 175,872, Cl. D44—1.



- Anderson, Annette. 174,607, Cl. D44—1.  
 Anderson, Cleon P., to Transportation Vendors, Inc. 173,829, Cl. D52—3.  
 Anderson, Jac B., and J. Hughes, Jr., to Enger-Kress Co. 176,093, Cl. D87—3.  
 Anderson, Joseph C. 174,307, Cl. D14—3.  
 Anderson, Melvin C., and S. F. Hanks. 175,488, Cl. D54—13.  
 Anderson, Reinhold J. 174,408, Cl. D80—9.  
 Anderson, Winslow, to Lenox Inc. 175,752, Cl. D44—15.  
 Andis Clipper Co.: *See*—  
 Andis, Mathew. 175,141.  
 Andis, Mathew, to Andis Clipper Co. 175,141, Cl. D22—5.  
 Andrus, Richard B., and J. R. Washburn. 175,241, Cl. D44—10.  
 Angeli, Quirico. 173,865, Cl. D35—3.  
 Angell, Robert C., to The S. S. White Dental Mfg. Co. 175,579, Cl. D24—2.  
 Anselmi, Silvio C. 175,663, Cl. D85—7.  
 Anson, Arthur H. 175,527, Cl. D44—10.  
 Anthony Costumes, Inc.: *See*—  
 Anthony, Milton R., and Calvacca. 173,927.  
 Anthony, Milton R., and D. Calvacca, to Anthony Costumes, Inc. 173,927, Cl. D3—17.  
 Apar, George J. 176,170, Cl. D47—7.  
 Aply-Tec Products, Inc.: *See*—  
 Lieber, Ben. 176,221.  
 Apostolescu, Stefan. 175,873, Cl. D71—1.  
 Appel, Wolfgang, and H. Krust, to Deutsche Grammophon Gesellschaft mit beschränkter Haftung. 175,142, Cl. D9—2.  
 Arbib, Richard H., and R. S. Quandt, to Independent Lock Co. 175,143, Cl. D50—6.  
 Archer, Joseph. 175,329, Cl. D54—13.  
 Arellano, Luis, Jr. 175,997, Cl. D33—10.  
 Arens, Egmont. 175,005, Cl. D52—2.  
 Argus Cameras, Inc.: *See*—  
 Hertzler, Frederick W. 174,429.  
 Armbrust Chain Co.: *See*—  
 Armbrust, Ferdinand. 174,789.  
 Armbrust, Ferdinand. 175,874.  
 Armbrust, Ferdinand. 175,875.  
 Armbrust, Ferdinand. 175,876.  
 Armbrust, Gottlob. 176,299.  
 Armbrust, Ferdinand, to Armbrust Chain Co. 174,789, Cl. D45—1.  
 Armbrust, Ferdinand, to Armbrust Chain Co. 175,874, Cl. D45—16.  
 Armbrust, Ferdinand, to Armbrust Chain Co. 175,875, Cl. D45—16.  
 Armbrust, Ferdinand, to Armbrust Chain Co. 175,876, Cl. D45—16.  
 Armbrust, Gottlob, to Armbrust Chain Co. 176,299, Cl. D45—16.  
 Armbruster, John T., to American Optical Co. 174,010, Cl. D61—1.  
 Armbruster, John T., to American Optical Co. 176,300, Cl. D61—1.  
 Armstrong, William H.: *See*—  
 Burrus, Robert E., Mackay, and Armstrong. 175,391.  
 Army, United States of America as represented by the Secretary of the: *See*—  
 Haller, Martin N. 174,808—174,812.  
 Hurley, Charles W. 175,946.  
 Hurley, Charles W. 176,189.  
 Kostopoulos, Emanuel A. 175,024.  
 Persico, Ralph W. 174,133.  
 Weiss, Alexander C. H. 175,450.  
 Weller, Warren C. 174,149.  
 Weller, Warren C. 174,151.  
 Weller, Warren C., and Johnson. 174,150.  
 Arnett, Leslie, to Square Mfg. Co. 174,485, Cl. D52—3.  
 Arneri, Anthony J. 174,243, Cl. D33—19.  
 Arnold, George B. 175,489, Cl. D26—14.  
 Arrowhead and Puritas Waters Inc.: *See*—  
 Suttle, Robert S. 175,196.  
 Arrowsmith Tool & Die Co.: *See*—  
 Grodt, William F. 174,176.  
 Grodt, William F. 174,177.  
 Grodt, William F., and Murdock. 175,886.  
 Arts and Crafts Co.: *See*—  
 Novgrad, Benjamin. 174,589.  
 Ashbach, Leonard, and L. Marks. 174,728, Cl. D62—4.  
 Ashkenazie, Jack: *See*—  
 Gindi, Isaac, and Ashkenazie. 174,497.  
 Gindi, Isaac, and Ashkenazie. 174,542.  
 Associated Packaging Corp.: *See*—  
 Cargill, Sylvester H., Thiele, and Holbert. 173,933.  
 Astatic Corp., The: *See*—  
 Kamp, Bruce. 175,947—175,951.  
 Kamp, Bruce. 176,069.  
 Kamp, Bruce. 176,192.  
 Palo, Maurice M. 175,440.  
 Aston, Bruno D., ½ to Marmike Mfg. Corp. 175,330, Cl. D74—17.  
 Astrup Co., The: *See*—  
 Beckstett, Rupert F. 174,011.  
 Atkin, Leonard, to Stone Mfg. Co. 175,528, Cl. D48—20.  
 Atkinson, Wallace E., to Long Mfg. Co., Inc. 175,705, Cl. D50—7.  
 Atkinson, Wallace E., to Long Mfg. Co., Inc. 176,437, Cl. D50—7.  
 Atlanta Paper Co.: *See*—  
 Gentry, Hermond G. 176,454.  
 Gentry, Hermond G. 176,455.  
 Atlas Press Co.: *See*—  
 Cole, Clayton K. 174,375.  
 Aucoin, Leo J., to The Gray Mfg. Co. 175,490, Cl. D26—14.  
 Aucoin, Leo J., to The Gray Mfg. Co. 175,664, Cl. D26—14.  
 Audette, Benjamin J. 175,144, Cl. D14—6.  
 Augenstein, Karl C., to Speidel Corp. 176,301, Cl. D45—4.  
 Aul, Albert H. 175,924, Cl. D4—3.  
 Auler, Harold: *See*—  
 Chepp, Milton J., Irwin, and Auler. 174,528.  
 Austgen, Kenneth J. 175,292, Cl. D31—2.  
 Austria, Gregorio M. 173,975, Cl. D29—20.  
 Austria, Gregorio M. 174,409, Cl. D29—20.  
 Auto Lamp Mfg. Co.: *See*—  
 Jones, Charles E., and Crowle. 176,413.  
 Autoyre Co., The: *See*—  
 Simpson, Paul F. 173,820.  
 Autry, Robert G. 174,367, Cl. D31—4.  
 Avco Mfg. Corp.: *See*—  
 Aeschliman, Eugene. 175,290.  
 Boldt, Melvin H. 174,610.  
 Boldt, Melvin H. 175,010.  
 Boldt, Melvin H. 175,011.  
 Reynolds, Carl, Jr. 175,647.  
 Axelrod, Joseph H., to Wamsutta Mills. 174,890, Cl. D92—1.  
 Ayres, Samuel, Jr., to The Gamewell Co. 175,006, Cl. D72—1.  
 B. B. Pen Co., Inc.: *See*—  
 Vogel, Jerome P. 173,918.  
 Babel, Rudolph M., to General Electric Co. 174,244, Cl. D42—7.  
 Babel, Rudolph M., to General Electric Co. 174,891, Cl. D42—7.  
 Babel, Rudolph M., to General Electric Co. 175,242, Cl. D45—7.  
 Babel, Rudolph M., to General Electric Co. 175,665, Cl. D42—7.  
 Backett, John C., to Wesix Electric Heater Co. 176,243, Cl. D81—10.  
 Baehre, Herman. 174,892, Cl. D13—1.  
 Bahr, Gustave F., to The Bead Chain Mfg. Co. 175,099, Cl. D31—4.  
 Bailey, George S., Hat Co.: *See*—  
 Young, Philip E. 175,061.  
 Young, Philip E. 175,451.  
 Bailey, William B. 176,302, Cl. D85—2.  
 Baird, Richard F.: *See*—  
 Bannister, Harry T., and Baird. 175,529.  
 Baker, Melvin R., and D. K. Williams. 175,580, Cl. D33—8.  
 Baker, Walter, Jr., to American Radiator & Standard Sanitary Corp. 173,928, Cl. D4—5.  
 Bakke, Laurence D.: *See*—  
 Altman, Peter, Bakke, and Robinette. 174,976.  
 Balcer, Edward H., to Hickok Mfg. Co. Inc. 176,055, Cl. D17—1.  
 Balcer, Edward H., to Hickok Mfg. Co. Inc. 176,056, Cl. D17—1.  
 Balcer, Edward H., to Hickok Mfg. Co. Inc. 176,242, Cl. D17—1.  
 Baldwin, Beatrice H.: *See*—  
 Hanellin, Richard M., and Baldwin. 175,403.  
 Baldwin Piano Co., The: *See*—  
 Millington, William, and Day. 176,423—176,427.  
 Ball, Eldon W., and C. J. Floyd, to Raytheon Mfg. Co. 175,207, Cl. D26—14.  
 Ball & Socket Mfg. Co., The: *See*—  
 Gilyard, David F. 173,870.  
 Balmer, James G.: *See*—  
 Squier, John M., Fales, McIntosh, Balmer, and Petlewski. 175,804.  
 Balzhiser, James K., to The B. F. Goodrich Co. 174,729, Cl. D90—20.  
 Balzhiser, James K., to The B. F. Goodrich Co. 174,934, Cl. D90—20.  
 Bamberger, Werner. 175,383, Cl. D58—6.  
 Ban, Leslie L., to Consolidated Leather Mfg. Co. 175,243, Cl. D87—3.  
 Ban, Leslie L., to Consolidated Leather Mfg. Co. 175,244, Cl. D87—3.  
 Bank of Hawaii: *See*—  
 De Bisschop, Constance C. 173,898.  
 Bannister, Harry T., and R. F. Baird, to Chrysler Corp. 175,529, Cl. D14—18.  
 Bannister, Harry T., to Chrysler Corp. 175,925, Cl. D14—30.  
 Banneyer, Joseph. 174,410, Cl. D35—3.  
 Banneyer, Joseph. 174,411, Cl. D35—3.  
 Barbarich, Ante. 175,998, Cl. D1—2.  
 Barbiers, Ferdinand S., to The New England Vinegar Works, Inc. 175,145, Cl. D58—8.  
 Barco Garment Co.: *See*—  
 Bassett, Jacqueline J. 175,492.  
 Bardahl Oil Co., Inc., The: *See*—  
 Fuchs, Irwin E. 175,341.  
 Barefoot, John D. 174,935, Cl. D14—6.  
 Barker, Luther P., Jr. 173,929, Cl. D3—13.  
 Barkley, Rex C.: *See*—  
 Blazek, William J., Evans, and Barkley. 173,831.  
 Barnaby, Lee, to Phil-Mar Corp. 174,608, Cl. D48—20.  
 Barnes Mfg. Co., Inc.: *See*—  
 Huff, William H. 174,955.  
 Huff, William H. 174,956.



- Barnhart, A. Baker, to The Rosenthal-Block China Corp. 174,368, Cl. D44—15.  
 Barnhart, A. Baker, to The Rosenthal-Block China Corp. 174,369, Cl. D44—26.  
 Barnhart, A. Baker, to The Rosenthal-Block China Corp. 174,370, Cl. D44—21.  
 Barnhart, A. Baker, to The Rosenthal-Block China Corp. 174,371, Cl. D44—15.  
 Barnhart, A. Baker, to The Rosenthal-Block China Corp. 174,372, Cl. D44—15.  
 Barnhart, A. Baker, 175,491, Cl. D44—15.  
 Barnhart, A. Baker, to The Rosenthal-Block China Corp. 176,057, Cl. D44—15.  
 Barnhart, A. Baker, to The Rosenthal-Block China Corp. 176,058, Cl. D44—15.  
 Barnhart, Herbert S., to National Dairy Products Corp. 174,978, Cl. D44—10.  
 Barnhart, Herbert S., to National Dairy Products Corp. 175,753, Cl. D44—15.  
 Barone, Ruth A., and J. Swbado. 176,171, Cl. D29—23.  
 Barone, Ruth A., and J. Swbado. 176,438, Cl. D29—23.  
 Barr, Thomas M. 175,926, Cl. D31—4.  
 Barreca, Henry J. 174,523, D7—3.  
 Barricks, Joseph B. 174,730, Cl. D34—15.  
 Barricks, Joseph B., 30% to F. W. Shipley. 174,731, Cl. D34—15.  
 Barry, Lewis. 174,790, Cl. D3—12.  
 Bartelstone, Louis. 173,866, Cl. D57—1.  
 Bartleman, Richard. 175,455, Cl. D54—2.  
 Bartlett-Collins Co.: See—  
 Block, Lawrence V. 175,708.  
 Bartolucci, Edgar O. 175,877, Cl. D5—4.  
 Barton Inc.: See—  
 Klein, Isaac. 176,270.  
 Bassett, Jacqueline J., to Barco Garment Co. 175,492, Cl. D3—25.  
 Bassetti, Fred: See—  
 Lovett, Wendell H. 174,394.  
 Bassford, Wallace O. 174,209, Cl. D22—3.  
 Bauch, Norman: See—  
 Wait, Louis S. 175,812.  
 Bauer, Lester L., to Gendron Wheel Co. 175,384, Cl. D83—1.  
 Bauer, Lester L., to Gendron Wheel Co. 176,401, Cl. D34—5.  
 Baum, Louis. 175,754, Cl. D54—12.  
 Baum, Louis. 175,755, Cl. D54—12.  
 Baum, Louis. 175,878, Cl. D54—12.  
 Baumker, Lowell R., to Baumker Mfg. Co. 176,172, Cl. D33—14.  
 Baumker Mfg. Co.: See—  
 Baumker, Lowell R. 176,172.  
 Bausch & Lomb Optical Co.: See—  
 Boughton, Olin W. 176,003.  
 Boughton, Olin W. 176,441.  
 De Grave, Charles J., Jr. 176,064.  
 Gay, Fred G., Jr., and Stegeman. 173,801.  
 Stegeman, Raymond F. E. 173,887.  
 Stegeman, Raymond F. E. 175,050.  
 Stegeman, Raymond F. E. 175,135.  
 Stegeman, Raymond F. E. 175,278—175,283.  
 Stegeman, Raymond F. E. 175,321.  
 Stegeman, Raymond F. E. 175,322.  
 Stegeman, Raymond F. E. 176,236.  
 Bays, Dorothea M.: See—  
 Bays, James L. and D. M. 173,890.  
 Bays, James L. and D. M. 173,890, Cl. D44—29.  
 Bead Chain Mfg. Co., The: See—  
 Bahr, Gustave F. 175,099.  
 Beal, Louis R., and L. H. Shrader. 176,303, Cl. D80—1.  
 Beale, Dorr D., J. N. Polivka, and G. T. Scharfenberg, to Shopmaster, Inc. 173,891, Cl. D93—3.  
 Beall, Richard W., Jr. 175,062, Cl. D58—10.  
 Becker, Alma. 175,756, Cl. D91—3.  
 Becker, Richard M.: See—  
 Markley, Robert M., and Becker. 176,150.  
 Beckerman, Max. 175,999, Cl. D7—7.  
 Beckstett, Rupert F., to The Astrup Co. 174,011, Cl. D92—1.  
 Beckstrom, Garfield L., to Cory Corp. 174,486, Cl. D74—24.  
 Bednarz, Felix L., to McCulloch Motors Corp. 175,706, Cl. D61—1.  
 Beer, Leo. 175,146, Cl. D92—1.  
 Beer, Leo. 175,147, Cl. D92—1.  
 Beer, Leo. 175,148, Cl. D92—1.  
 Beer, Leo. 175,149, Cl. D92—1.  
 Beer, Leo. 175,150, Cl. D92—1.  
 Behlefeldt, Knut G. 175,456, Cl. D33—8.  
 Beinert, John D., to Melnor Metal Products Co., Inc. 173,892, Cl. D91—1.  
 Belasch, Alfred O.: See—  
 Schoen, Kurt. 175,366.  
 Belden, Theodore F. 173,930, Cl. D15—1.  
 Belgard, Austin B. 173,867, Cl. D57—1.  
 Belgard, Austin B. 173,868, Cl. D57—1.  
 Belgard, Austin B. 174,153, Cl. D57—1.  
 Belgard, Austin B. 174,210, Cl. D57—1.  
 Belgard, Austin B. 176,000, Cl. D57—1.  
 Bell Aircraft Corp.: See—  
 Lichten, Robert L. 176,028.  
 Sandstrom, Roy J., and Stanley. 174,400.  
 Woods, Robert J. 174,404.  
 Bell, Charles I., Jr.: See—  
 Moore, James R., Jr., and Bell. 175,849.  
 Bell Harry A. 174,373, Cl. D54—2.  
 Bell & Howell Co.: See—  
 Muller-Munk, Peter. 175,035.  
 Muller-Munk, Peter. 175,036.  
 Bell Products Co.: See—  
 Ross, Allan. 176,485.  
 Bellini, Arthur J.: See—  
 Silber, Aaron and Bellini. 176,384.  
 Silber, Aaron and Bellini. 176,385.  
 Belokin, Paul, Jr., to U. S. Industries, Inc. 174,308, Cl. D44—1.  
 Belshaw, A., Inc.: See—  
 Mortrude, Albert D. 174,130.  
 Mortrude, Albert D. 174,131.  
 Belvidere Products, Inc.: See—  
 Kiefer, Walter J. 174,042.  
 Bennett, Earnest L., to J. I. Holcomb Manufacturing Co. Inc. 176,304, Cl. D9—2.  
 Benninghofen, Paul: See—  
 Katz, Russell. 176,357.  
 Benson, Arthur E., and V. J. Davis, to United States Rubber Co. 175,063, Cl. D90—20.  
 Benson, Ernest H. 173,780, Cl. D58—3.  
 Benson, Fritz C., to The H. B. Ives Co. 173,781, Cl. D10—10.  
 Benson, Harold R., to nuArc Co., Inc. 174,105, Cl. D48—20.  
 Bentley, John G., to Porter-Cable Machine Co. 176,001, Cl. D37—1.  
 Bentsen, Arthur R., to General Electric Co. 175,007, Cl. D48—4.  
 Berg, Bennie L., and P. R. Berg: said P. R. Berg assor. to said B. L. Berg. 174,791, Cl. D80—11.  
 Berg, Phyllis R.: See—  
 Berg, Bennie L. and P. R. 174,791.  
 Bergman, Wayne K. 173,830, Cl. D54—16.  
 Bergmans, Jacobus A. 174,979, Cl. D7—7.  
 Berk, Harry S., to National Silver Co. 175,008, Cl. D54—12.  
 Berk, Harry S., to National Silver Co. 175,009, Cl. D54—12.  
 Berk, Harry S., to National Silver Co. 175,100, Cl. D54—12.  
 Berk, Harry S., to National Silver Co. 175,101, Cl. D54—12.  
 Berk, Harry S., to National Silver Co. 175,927, Cl. D54—12.  
 Berkley Machine Products: See—  
 Lawrence, Maynard D. 173,957.  
 Berkowitz, Paul, to Mr. Boston Distiller Inc. 174,524, Cl. D34—5.  
 Berland, Jacob B., and G. Preti; said Preti assor. to said Berland. 176,094, Cl. D7—7.  
 Berman, Adolph P. 174,936, Cl. D58—26.  
 Berman, Adolph P. 176,439, Cl. D58—26.  
 Berney, Harold J., to Aberney Corp. 174,937, Cl. D26—14.  
 Bernhard, Benjamin S., to The American Hardware Corp. 175,928, Cl. D10—7.  
 Bernhardt, Paul, and D. Deen. 173,782, Cl. D14—6.  
 Berose, Gerard, to Gerard Industries. 175,530, Cl. D14—6.  
 Berry, Morris J., and L. Wells. 176,095, Cl. D83—8.  
 Bertolli, Eugene E., to The Napier Co. 175,757, Cl. D45—19.  
 Bertone, Antonio. 175,245, Cl. D44—29.  
 Bernz, Otto, Co., Inc.: See—  
 Webster, Milo E. 176,294.  
 Besal, Robert J.: See—  
 Vesely, Donald V., Besal, and Gresch. 175,053.  
 Better Bilt Products Co.: See—  
 Camp, Francis L. 174,247.  
 Beverlin, Robert S., to The City Auto Stamping Co. 175,331, Cl. D26—6.  
 Beversdorf, Elmer J. 173,783, Cl. D80—9.  
 Biddle, James G., Co.: See—  
 Foster, William P. 175,766.  
 Bieber, Phillip, and J. V. O'Grady. 176,305, Cl. D61—1.  
 Biederman, Joseph B. 176,402, Cl. D58—26.  
 Bienen, Herbert. 173,931, Cl. D87—3.  
 Biggle, Laurence C.: See—  
 Ray, William A., and Biggle. 176,483.  
 Billig, Ralph B.: See—  
 Ziskin, Manuel S., and Billig. 174,071.  
 Ziskin, Manuel S., and Billig. 174,605.  
 Ziskin, Manuel S., and Billig. 176,091.  
 Billingslea, Dorothy B. 175,581, Cl. D25—1.  
 Bing, Herbert A.: See—  
 Teague, Walter D., Bing, Ensign, Fairbank, and Hunter. 175,571.  
 Bingham, George H., Jr., to Cambridge Rubber Co. 173,932, Cl. D7—4.  
 Binns, Thomas W., to Quaker Lace Co. 175,582, Cl. D92—26.  
 Birdwell, Billy G. 175,583, Cl. D14—3.  
 Birkerts, Gunnar G., ½ to Sondra Kay, Inc., and ½ to Yellen, Inc. 174,211, Cl. D15—1.  
 Birkerts, Gunnar G., ½ to Sondra Kay, Inc., and ½ to Yellen, Inc. 174,212, Cl. D15—8.  
 Birnbach, Saul. 176,096, Cl. D4—3.  
 Biro, Joseph, to Mills Industries, Inc. 176,244, Cl. D2—3.  
 Birtman Electric Co.: See—  
 Karstadt, Clarence. 175,506.  
 Bishop, Joseph F. 174,792, Cl. D72—1.  
 Bissell, Wadsworth, and D. Watt, to Klise Mfg. Co. 174,012, Cl. D42—1.  
 Bissell, Wadsworth, and D. Watt, to Klise Mfg. Co. 174,013, Cl. D42—1.  
 Bivens, Carl F. 175,332, Cl. D56—1.  
 Bjorncrantz, Carl G., to Sears, Roebuck and Co. 175,457, Cl. D58—4.  
 Bjorncrantz, Carl G., to Sears, Roebuck and Co. 175,707, Cl. D81—24.  
 Black, Elmer M. 174,609, Cl. D37—1.



- Blackstone Corp.: *See*—  
 Oberg, Gunnard A. 174,702.
- Blanchard, Donn C., to Denison Corp. 174,156, Cl. D54—2.
- Blazek, William J., R. C. Evans, and R. C. Barkley, to Lempeo Products, Inc. 173,831, Cl. D37—1.
- Bletcher, James H.: *See*—  
 Bletcher, Ralph E., and Ward. 175,102.
- Bletcher, Pearl W.: *See*—  
 Bletcher, Ralph E., and Ward. 175,102.
- Bletcher, Ralph E., and I. A. Ward, 5% to R. E. Bletcher, 12½% to E. H. Bucknell, 12½% to M. Bucknell, 10% to P. W. Bletcher, 25% to M. B. Liston, 10% to J. H. Bletcher, 10% to H. B. Skinner, 8% to C. R. B. Robertson (also known as Mrs. F. K. Robertson), 2% to F. K. Robertson, as trustee, and 5% to J. H. Bletcher, as trustee. 175,102, Cl. D9—2.
- Bliss, Charles O. 174,073, Cl. D44—29.
- Bliss, Charles O. 174,793, Cl. D44—21.
- Bliss, Charles O. 175,385, Cl. D44—1.
- Blissfield Mfg. Co.: *See*—  
 Farver, Orville W. 174,381.
- Bloch, Jack, to Foster Grant Co., Inc. 176,440, Cl. D58—8.
- Block, Lawrence V., to Bartlett-Collins Co. 175,708, Cl. D36—8.
- Blod, Francis E., to The Farrington Mfg. Co. 174,672, Cl. D80—5.
- Blogett, Waldo L., Jr. 174,732, Cl. D44—15.
- Bloom, Charles, Inc.: *See*—  
 Hamre, Marion R. 174,178.
- Bloomberg, Max. 174,848, Cl. D86—10.
- Blosveren, Albert J. 175,246, Cl. D48—2.
- Bloyd, Frank T.: *See*—  
 Puzey, Jerome D., and Bloyd. 176,082.
- Blue Ridge Glass Corp.: *See*—  
 Glynn, Theodore W. 176,456.
- Bluem, Raymond C., to Toro Mfg. Corp. of Minnesota. 175,666, Cl. D61—1.
- Bluhill Foods, Inc.: *See*—  
 Schomp, Ralph S. 175,858.
- Blumberg, Lee. 174,014, Cl. D44—24.
- Bobrow, Abraham D. 175,879, Cl. D50—4.
- Boeing Airplane Co.: *See*—  
 Del Giudice, Frank J. 176,250.
- Boepple, Hans. 174,849, Cl. D3—4.
- Boggs, Le Roy R. 175,929, Cl. D90—17.
- Bohm, Zoltan, to Brooks & Bohm (Wineshippers) Ltd. 175,758, Cl. D58—25.
- Bolding, William E., to Johnston & Murphy. 176,059, Cl. D7—7.
- Bolding, William E., to Johnston & Murphy. 176,060, Cl. D7—7.
- Boldt, Melvin H., to Avco Mfg. Corp. 174,610, Cl. D67—3.
- Boldt, Melvin H., to Avco Mfg. Corp. 175,010, Cl. D67—3.
- Boldt, Melvin H., to Avco Mfg. Corp. 175,011, Cl. D67—3.
- Boldt, Melvin H., to National Presto Industries, Inc. 176,002, Cl. D81—10.
- Bo-Low Lamp Corp.: *See*—  
 Goldman, Robert, and Nemzer. 173,804.
- Bomersheim, Frank J. 174,611, Cl. D58—17.
- Bonafide Mills, Inc.: *See*—  
 Nobis, George V., and Lynen. 176,371.
- Rowe, William, and Nobis. 175,045.
- Bonistall, John F., to Shawnee Pottery Co. 176,097, Cl. D44—10.
- Bonistall, John F., to Shawnee Pottery Co. 176,098, Cl. D44—10.
- Bonistall, John F., to Shawnee Pottery Co. 176,099, Cl. D44—10.
- Bonistall, John F., to Shawnee Pottery Co. 176,100, Cl. D44—10.
- Bonistall, John F., to Shawnee Pottery Co. 176,101, Cl. D44—10.
- Bonistall, John F., to Shawnee Pottery Co. 176,102, Cl. D44—10.
- Bonistall, John F., to Shawnee Pottery Co. 176,103, Cl. D44—10.
- Bonsib, Louis W. 174,487, Cl. D13—1.
- Bonyhady, Emil M., to Embo Casual Footwear Corp. 174,938, Cl. D7—7.
- Booth, Leland W., B. A. Woods, and A. Burkhardt. 176,061, Cl. D44—29.
- Boppel, Henry L. 174,106, Cl. D52—1.
- Bordelon, Sam H., to Arthur Salm Inc. 173,784, Cl. D54—12.
- Bordelon, Sam H., to Arthur Salm Inc. 173,785, Cl. D22—3.
- Bordelon, Sam H., to Arthur Salm Inc. 173,786, Cl. D54—12.
- Bordman, Morris A. 174,733, Cl. D48—16.
- Bordner, Lee T. 174,525, Cl. D26—13.
- Bordner, Lee T. 175,012, Cl. D87—3.
- Borg-Warner Corp.: *See*—  
 Trombley, Bertrand N. 174,478.
- Wibalda, Raymond K. 174,786.
- Borin, Harlan F., to American Hospital Supply Corp. 175,247, Cl. D44—29.
- Borowitz, David. 174,939, Cl. D48—20.
- Borowitz, David. 174,940, Cl. D48—20.
- Borowitz, David. 175,151, Cl. D48—20.
- Borowitz, David. 175,152, Cl. D48—20.
- Borowitz, David. 175,208, Cl. D48—20.
- Borowitz, David. 175,386, Cl. D48—20.
- Bos, John R.: *See*—  
 Shulters, Robert B., and Bos. 175,193.
- Bosma, John H. 174,015, Cl. D74—1.
- Boston Woven Hose and Rubber Co.: *See*—  
 Hayes, Thomas P. 174,428.
- Hayes, Thomas P. 175,218.
- Boughton, Olin W., to Bausch & Lomb Optical Co. 176,003, Cl. D57—1.
- Boughton, Olin W., to Bausch & Lomb Optical Co. 176,441, Cl. D52—1.
- Boutwell, Rose. 174,893, Cl. D86—10.
- Bovay, Norman E., to United States Rubber Co. 173,893, Cl. D7—5.
- Bowlen, Nord, to Rogers, Lunt & Bowlen Co. 174,157, Cl. D54—12.
- Boyer, David S. 175,103, Cl. D33—3.
- Boyer, Marshall U.: *See*—  
 Goodnight, Austin G. 176,458.
- Braa, Lloyd W.: *See*—  
 Pelsue, Thurman A., and Braa. 176,429.
- Bracher, Walter H., to Studebaker-Packard Corp. 174,488, Cl. D14—6.
- Bradford, Stuart W.: *See*—  
 Triantafillou, Tom, Bradford, La Riviere, and Michutka. 174,520.
- Bradley, Robert I. 175,064, Cl. D52—7.
- Brady, Francis A., to Hickok Mfg. Co. Inc. 176,245, Cl. D17—1.
- Bragg, John W.: *See*—  
 French, William B., and Bragg. 174,029.
- French, William B., and Bragg. 174,030.
- Brame, Allen J., to Tubing Appliance Co., Inc. 175,493, Cl. D54—16.
- Bramming, Carl, to Aladdin Industries, Inc. 174,941, Cl. D58—12.
- Brandeis, Harold. 174,942, Cl. D58—9.
- Brandt, Charles S.: *See*—  
 Mayhill, Noble, and Brandt. 175,032.
- Brandt, Jules. 175,065, Cl. D20—4.
- Braun, Carl, to Maiden Form Brassiere Co., Inc. 175,387, Cl. D80—5.
- Braun, Jacob G. 174,107, Cl. D35—2.
- Braun, Samuel. 173,832, Cl. D58—12.
- Braymer, Lawrence E. 175,388, Cl. D57—5.
- Brearely Co., The: *See*—  
 Aleks, Vytant. 175,750.
- Breck, John H., Inc.: *See*—  
 Newton, Ralph W. 175,090.
- Breen, Frederick M., to Coty, Inc. 175,153, Cl. D86—10.
- Breen, Frederick M., to Coty, Inc. 175,821, Cl. D86—10.
- Brenner, Edward and H. 174,894, Cl. D82—2.
- Brenner, Hymie: *See*—  
 Brenner, Edward and H. 174,894.
- Breslauer, Henry E., to Amerex Trading Corp. 175,667, Cl. D54—12.
- Briddell, Chas. D., Inc.: *See*—  
 Harper, Irving. 174,747.
- Harper, Irving. 174,748.
- Brinson, Talmadge D. 173,833, Cl. D28—2.
- Brinton, Curt H. 175,531, Cl. D74—1.
- Briskman, Samuel: *See*—  
 Phinney, Earl R. 174,707.
- Bristol Mfg. Co.: *See*—  
 Smith, Maurice C., III. 173,971.
- Brito, José. 174,213, Cl. D4—5.
- Brock, Clara, to Technical Porcelain and Chinaware Co. 174,309, Cl. D44—15.
- Brock, Clara, to Technical Porcelain and Chinaware Co. 174,310, Cl. D44—15.
- Brocken, Karl. 175,013, Cl. D44—29.
- Brodersen, Harold T., to American Type Founders, Inc. 175,930, Cl. D64—17.
- Brokate, John. 174,612, Cl. D54—12.
- Brokate, John. 174,613, Cl. D54—12.
- Brokate, John. 174,614, Cl. D54—12.
- Brooks, Albert N. 174,108, Cl. D48—20.
- Brooks, Albert N. 174,311, Cl. D48—20.
- Brooks, Albert N. 176,104, Cl. D34—11.
- Brooks & Bohm (Wineshippers) Ltd.: *See*—  
 Bohm, Zoltan. 175,758.
- Brooks, Jay W., H. R. Seranton, and H. L. Morrill, Jr., to Scripto, Inc. 176,004, Cl. D80—11.
- Brosius, Robert M. 174,074, Cl. D50—4.
- Brown & Bigelow: *See*—  
 Laughlin, Clayton A. 175,028.
- Olson, John J. 174,462.
- Brown, Clarence C. 174,158, Cl. D61—1.
- Brown, Harry C. 174,245, Cl. D54—13.
- Brown, Harry C. 174,246, Cl. D54—13.
- Brown, John C. 174,489, Cl. D33—3.
- Brown, Milton E., & Co.: *See*—  
 Goddard, Ruth M. 174,856.
- Brown, Robert L., to Globe-Union, Inc. 176,105, Cl. D26—6.
- Brown-Saltman Furniture Co.: *See*—  
 Keal, John J. 173,904.
- Keal, John J. 176,142.
- Keal, John J. 176,462.
- Brown, William, Sr., to The Buxbaum Co. 175,709, Cl. D92—4.
- Browne, Donald C. 174,794, Cl. D34—15.
- Bruce, Leo I., to General Electric Co. 174,214, Cl. D42—7.
- Bruce, Leo I., to General Electric Co. 174,615, Cl. D42—7.
- Bruce, Leo I., to General Electric Co. 175,293, Cl. D42—7.
- Bruce, Leo I., to General Electric Co. 175,458, Cl. D42—7.
- Bruce, Leo I., to General Electric Co. 175,584, Cl. D42—7.
- Bruce, Leo I., and P. F. Huy, to General Electric Co. 174,895, Cl. D42—7.



- Bruce, Leo I., and P. F. Huy, to General Electric Co. 175,294, Cl. D42—7.
- Bruegger, Paul G. 174,215, Cl. D48—20.
- Brulin, Laurence W., to American Seating Co. 174,016, Cl. D15—1.
- Brumberger, Louis, to Teen-Age Beachwear Corp. 175,822, Cl. D3—17.
- Brüninghaus, Robert, to Ottavia Inc. 175,710, Cl. D17—3.
- Brunner, Sam W. 175,389, Cl. D87—3.
- Brunswick-Balke-Collender Co., The: *See—*
- Chapman, David, and Reineman. 173,835.
- Reineman, Richard G. 174,469.
- Reineman, Richard G. 174,923.
- Reineman, Richard G. 175,644.
- Reineman, Richard G. 175,645.
- Reineman, Richard G. 175,646.
- Bryan, Louise M. 174,374, Cl. D25—1.
- Buck Glass Co., Inc., The: *See—*
- Parsell, Mason R. 174,591.
- Buck, Gordon E. 176,106, Cl. D31—4.
- Bücking, Hans J. 174,412, Cl. D3—4.
- Bucking, Hans J. 174,943, Cl. D3—4.
- Bucking, Hans J. 174,944, Cl. D3—4.
- Bucknell, Ernest H.: *See—*
- Bletcher, Ralph E., and Ward. 175,102.
- Bucknell, Mabel: *See—*
- Bletcher, Ralph E., and Ward. 175,102.
- Budlong, Robert D., to Victor Adding Machine Co. 173,787, Cl. D64—11.
- Budlong, Robert D., to Victor Adding Machine Co. 173,788, Cl. D64—11.
- Budlong, Robert D., to Zenith Radio Corp. 174,075, Cl. D56—4.
- Budlong, Robert D., to Zenith Radio Corp. 174,076, Cl. D56—4.
- Budlong, Robert D., to Zenith Radio Corp. 174,077, Cl. D56—4.
- Budlong, Robert D., to Zenith Radio Corp. 174,109, Cl. D56—4.
- Budlong, Robert D., to Cory Corp. 174,980, Cl. D44—26.
- Buechler, Paul W., to General Motors Corp. 175,532, Cl. D14—6.
- Buechner, Rita. 175,390, Cl. D25—1.
- Buerger, Herbert. 176,306, Cl. D14—30.
- BullDog Electric Products Co.: *See—*
- Cataldo, John B. 175,586.
- Bundze, Nikolaus J. 176,403, Cl. D54—13.
- Burchstead, Ralph E., and R. Peterson. 175,823, Cl. D34—13.
- Burger, William C.: *See—*
- Kellogg, Neal H. 175,684.
- Burkhart, Alma: *See—*
- Booth, Leland W., Woods, and Burkhart. 176,061.
- Burn-Strauss, Inc.: *See—*
- Greenblat, Morris. 175,253.
- Burnett, Aaron G. 173,834, Cl. D33—6.
- Burroughs, John L. 175,711, Cl. D56—4.
- Burroughs, Louis R., to Electro-Voice, Inc. 175,759, Cl. D26—14.
- Burrus, Robert E., F. G. Mackay, and W. H. Armstrong, to Clark Equipment Co. 175,391, Cl. D14—3.
- Butler, Charles W., to Toro Mfg. Corp. of Minnesota. 173,976, Cl. D40—1.
- Buxbaum Co., The: *See—*
- Brown, William, Sr. 175,709.
- Bylock Electric Ltd.: *See—*
- Latham, Herbert J. 174,820.
- Byrd, Carl to Standard Packaging Corp. 176,307, Cl. D55—1.
- Byrd, William R. 173,789, Cl. D44—29.
- Cabe, Frank D.: *See—*
- Goodnight, Austin G. 176,458.
- Cahn, Bernard, Co., Inc.: *See—*
- Chase, Herbert S. 174,526.
- Chase, Herbert S. 174,527.
- Chase, Herbert S. 175,460.
- Chase, Herbert S. 176,444.
- Caird, Clarissa E. 174,673, Cl. D80—9.
- Caisse, Paul G., to The Fuller Brush Co. 176,308, Cl. D9—2.
- Caldwell Button Co., Inc.: *See—*
- Meltz, Sidney. 174,340.
- Caldwell, James R., to Wooster Rubber Co. 174,795, Cl. D9—6.
- Caldwell, James R., to Wooster Rubber Co. 174,796, Cl. D9—6.
- Caldwell, Robert H. 175,295, Cl. D81—25.
- Calmes, Dallas L. 176,062, Cl. D48—20.
- Calvacca, Dorothy: *See—*
- Anthony, Milton R., and Calvacca. 173,927.
- Calvine Cotton Mills, Inc.: *See—*
- Lesser, Paul. 174,129.
- Cambridge Rubber Co.: *See—*
- Bingham, George H., Jr. 173,932.
- Camfield Mfg. Co.: *See—*
- Olson, Henry L., and Florian. 176,032.
- Camp, Francis L., to Better Bilt Products Co. 174,247, Cl. D35—3.
- Camp, Georgia I. 175,533, Cl. D3—26.
- Camp, Richard L.: *See—*
- Paulson, William J. 176,378.
- Campbell, Laurie J., to Louis Marx & Co. 174,850, Cl. D34—2.
- Campbell, Laurie J., to Louis Marx & Co., Inc. 175,333, Cl. D34—15.
- Campbell, Lloyd E. 174,413, Cl. D29—23.
- Campus Belt, Inc.: *See—*
- Abbott, Dorothy. 174,306.
- Canfield, Howard S. 175,668, Cl. D45—10.
- Caplan, Abraham S. 174,851, Cl. D71—1.
- Cargill, Sylvester H., E. G. Thiele, and S. A. Holbert; said Thiele assor. to Associated Packaging Corp., and said Holbert assor. to Mille Lacs Maple Products Corp. 173,933, Cl. D58—17.
- Cariello, Philip. 176,005, Cl. D54—16.
- Carlesco, George S. 174,414, Cl. D34—15.
- Carlioni, Egiziano. 175,760, Cl. D56—1.
- Carlson, Axel S. 176,442, Cl. D35—3.
- Carlson, Warren M. 176,246, Cl. D4—3.
- Carlstead, Harold C. 175,585, Cl. D85—2.
- Carr-Lowrey Glass Co.: *See—*
- Funkey, John H. 175,676.
- Carr, William J., to Heywood-Wakefield Co. 174,017, Cl. D5—4.
- Carr, William J., to Heywood-Wakefield Co. 176,404, Cl. D33—6.
- Carrick, Vinton D., and N. B. Swanson. 176,107, Cl. D85—2.
- Carroll, Lawrence K., to Quikut, Inc. 175,248, Cl. D22—3.
- Carter, Charles A. 174,896, Cl. D54—13.
- Carter, Herman H. 175,931, Cl. D54—2.
- Carter, John M. 175,459, Cl. D14—3.
- Casey, Charles L., and R. G. Doell, to International Cellulose Products Co. 174,945, Cl. D4—3.
- Cassini, Oleg, to Oleg Cassini, Inc. 174,018, Cl. D3—26.
- Cassini, Oleg, to Oleg Cassini, Inc. 174,019, Cl. D3—26.
- Cassini, Oleg, to Oleg Cassini, Inc. 174,020, Cl. D3—26.
- Cassini, Oleg, to Oleg Cassini, Inc. 174,021, Cl. D3—26.
- Cassini, Oleg, Inc.: *See—*
- Cassini, Oleg. 174,018.
- Cassini, Oleg. 174,019.
- Cassini, Oleg. 174,020.
- Cassini, Oleg. 174,021.
- Castedello, William, and E. K. Kaprelian. 174,110, Cl. D61—1.
- Castedello, William, and E. K. Kaprelian, to The Kalart Co. Inc. 174,248, Cl. D61—1.
- Castorani, Francesco P., to Quaker Lace Co. 174,674, Cl. D92—26.
- Castorani, Francesco P., to Quaker Lace Co. 174,675, Cl. D92—26.
- Castro, Victor, and G. I. Featherstone. 176,247, Cl. D41—1.
- Cataldo, John B., to BullDog Electric Products Co. 175,586, Cl. D54—2.
- Cawood, Richard L., to The Patterson Foundry & Machine Co. 174,797, Cl. D26—5.
- Cedar, Elmer T. 175,534, Cl. D3—11.
- Century Laminated Products Corp.: *See—*
- Umanoff, Arthur. 176,237.
- Chain Belt Co.: *See—*
- Thomas, Austin K., Lendved, and McKillop. 175,990.
- Challis, Robert C. 174,852, Cl. D48—20.
- Chamberlain, John A. 173,977, Cl. D80—11.
- Champion, Warren W., to The Realistic Co. 175,014, Cl. D58—6.
- Champlin, Robert C.: *See—*
- Powers, Milton A., and Champlin. 175,520.
- Chance Vought Aircraft, Inc.: *See—*
- Gibbons, Henry B., Jarrett, and Mann. 175,342.
- Chantry, Ruth: *See—*
- Swanson, Doris A., and Chantry. 176,164.
- Chapin, Howard R., to Soreng Products Corp. 176,443, Cl. D31—4.
- Chapman, Dave, to The Gabriel Co. 174,159, Cl. D26—14.
- Chapman, Dave, to The Gabriel Co. 174,160, Cl. D26—14.
- Chapman, David, and R. G. Reineman, to The Brunswick-Balke-Collender Co. 173,835, Cl. D33—1.
- Chapman, Galen O. 175,535, Cl. D52—7.
- Char-Lynn Co.: *See—*
- Darr, Harold W. 175,395.
- Charms Co.: *See—*
- Reid, Walter W., III. 175,190.
- Chase, Herbert S., to Bernard Cahn Co., Inc. 174,526, Cl. D87—3.
- Chase, Herbert S., to Bernard Cahn Co., Inc. 174,527, Cl. D87—3.
- Chase, Herbert S., to Bernard Cahn Co., Inc. 175,460, Cl. D87—3.
- Chase, Herbert S., to Bernard Cahn Co., Inc. 176,444, Cl. D87—3.
- Chaudet, Louis W., II: *See—*
- Chaudet, Maora A. 174,490.
- Chaudet, Maora A., to L. W. Chaudet, II. 174,490, Cl. D33—10.
- Chemiglas, Inc.: *See—*
- O'Morrow, William D. 175,038.
- Chepp, Milton J., R. Irwin, and H. Auler, to Kayson, Inc. 174,528, Cl. D80—9.
- Chernow, Michael. 173,934, Cl. D45—4.
- Chernow, Michael. 174,734, Cl. D45—4.
- Chernow, Michael. 174,735, Cl. D45—4.
- Chernow, Michael. 174,736, Cl. D45—4.
- Chernow, Michael. 174,853, Cl. D45—4.
- Chernow, Michael. 175,334, Cl. D45—16.
- Cherouvrier, Robert E. 175,536, Cl. D61—
- Cheslak, Leonard W. 175,669, Cl. D71—1.
- Chesser, Cecil E. 174,529, Cl. D14—30.
- Chiarelli, Paul P. 176,173, Cl. D92—1.



- Chicopee Mills, Inc.: *See*—  
 McCord, Douglas D. 176,222.  
 McCord, Douglas D. 176,223.  
 McCord, Douglas D. 176,224.  
 McCord, Douglas D. 176,365.  
 Rudolph, Charles A. 173,914.
- Christensen, Norman B.: *See*—  
 Pfarr, John J., Stevens, and Christensen. 174,466.
- Christiansen, Nels M.: *See*—  
 Magnuson, Raymond A., and Christiansen. 174,700.
- Chrysler Corp.: *See*—  
 Bannister, Harry T. 175,925.  
 Bannister, Harry T., and Baird. 175,529.  
 Grayell, William G. 175,885.  
 Grayell, William G. 176,114.  
 Keane, Henry J. 174,389.  
 King, Henry T., and Getner. 174,907.  
 King, Henry T., and Getner. 175,553.  
 King, Henry T., and Getner. 175,554.  
 King, Henry T., and Pilkey. 175,172.  
 King, Henry T., and Pilkey. 175,552.  
 Niksa, Alfred E. 174,461.  
 Reynolds, Frederick. 175,565.  
 Reynolds, Frederick. 175,566.  
 Schwarz, John E. 175,235.  
 Voss, Clifford C. 175,572-76.  
 Wagner, Robert M., Swart, and Victory. 175,054.
- Chrzan, Henry J. 175,296, Cl. D29—20.
- Chuboff, David P., to Servel, Inc. 173,790, Cl. D62—4.
- Chuboff, David P., to Servel, Inc. 173,791, Cl. D62—4.
- Chuboff, David P., to Servel, Inc. 173,792, Cl. D62—4.
- Cipollone, Vincent C. 173,894, Cl. D71—1.
- City Auto Stamping Co., The: *See*—  
 Beverlin, Robert S. 175,331.
- Claire, John M. 176,248, Cl. D34—5.
- Claire, John M. 176,445, Cl. D34—5.
- Ciampa, Lincoln L., to United States Electric Mfg. Corp. 176,174, Cl. D48—2.
- Ciampa, Lincoln L., to United States Electric Mfg. Corp. 176,175, Cl. D48—2.
- Clanton, Hollis L., to North Hollywood Concrete Tile Co. 175,392, Cl. D18—2.
- Clare, George. 175,932, Cl. D58—10.
- Clark Equipment Co.: *See*—  
 Burrus, Robert E., Mackay, and Armstrong. 175,391.  
 Squier, John M., Fales, McIntosh, Balmer, and Petlewski. 175,804.
- Clark, James, to The Gothic Altar Studio, Inc. 175,335, Cl. D15—1.
- Clark, James A. 176,309, Cl. D57—1.
- Clark, Joseph D. 174,798, Cl. D34—15.
- Clark, Truman B.: *See*—  
 Tappan, William R., and Clark. 174,240.  
 Tappan, William R., and Clark. 175,807.
- Clarke, John G., to Owens-Illinois Glass Co. 175,297, Cl. D85—2.
- Claussen, Victor W.: *See*—  
 Hornung, Michael, and Claussen. 176,335.
- Clemens, Charles. 173,793, Cl. D48—20.
- Clemens, Charles, to Aladdin Industries, Inc. 174,676, Cl. D48—20.
- Clemens, Charles W., to Aladdin Industries, Inc. 174,677, Cl. D85—2.
- Clemens, Charles W., to Aladdin Industries, Inc. 174,799, Cl. D48—20.
- Clemens, Charles W., to Aladdin Industries, Inc. 174,946, Cl. D48—20.
- Clemens, Charles W., to Aladdin Industries, Inc. 175,461, Cl. D48—20.
- Clemens, Charles W., to Aladdin Industries, Inc. 175,462, Cl. D48—20.
- Clemens, Charles W., to Aladdin Industries, Inc. 175,494, Cl. D48—20.
- Clemens, Charles W., to Aladdin Industries, Inc. 175,587, Cl. D48—20.
- Clemens, Charles W., to Aladdin Industries, Inc. 175,588, Cl. D48—20.
- Clemens, Charles W., to Aladdin Industries, Inc. 175,589, Cl. D48—20.
- Clemens, Charles W., to Aladdin Industries, Inc. 175,590, Cl. D48—20.
- Clement, Clyde H. 175,393, Cl. D48—32.
- Coakley, Annie A. 175,336, Cl. D86—8.
- Coated Abrasive Products, Inc.: *See*—  
 Markley, Robert M., and Becker. 176,150.
- Cobb, Ralph L. 176,446, Cl. D34—5.
- Cobey Corp., The: *See*—  
 Mayhill, Noble, and Brandt. 175,032.
- Coca-Cola Co., The: *See*—  
 Hodgman, Clare E. 175,887.  
 Hodgman, Clare E. 176,187.
- Cochran, C. L., and Associates: *See*—  
 Cochran, Charles L. 174,678.  
 Cochran, Charles L. 174,679.
- Cochran, Charles L., to C. L. Cochran and Associates. 174,678, Cl. D71—1.
- Cochran, Charles L., to C. L. Cochran and Associates. 174,679, Cl. D71—1.
- Cohen, Edwin I. 174,897, Cl. D3—9.
- Cohen, Eve. 174,981, Cl. D48—20.
- Cohen, Eve. 175,154, Cl. D48—20.
- Cohen, Eve. 175,155, Cl. D48—20.
- Cohen, Lawrence Z. 176,447, Cl. D91—3.
- Cohen, Leon. 176,448, Cl. D29—1.
- Cole, Clayton K., to Atlas Press Co. 174,375, Cl. D40—1.
- Cole, Donald F.: *See*—  
 Wait, Clyde F., and Cole. 176,166.
- Cole, Edwin I., to The Stiffel Co. 173,794, Cl. D48—20.
- Cole, Edwin I., to The Stiffel Co. 173,836, Cl. D48—20.
- Cole, Edwin I., to The Stiffel Co. 173,837, Cl. D48—20.
- Cole, Edwin I., to The Stiffel Co. 173,895, Cl. D48—20.
- Cole, Edwin I., to The Stiffel Co. 173,935, Cl. D48—20.
- Cole, Edwin I., to The Stiffel Co. 173,936, Cl. D48—20.
- Cole, Thomas W., F. L. Combs, Jr., B. F. Richer, Jr., and L. C. Schaefer, to Westinghouse Electric Corp. 174,491, Cl. D26—5.
- Coleman Company, Inc., The: *See*—  
 Watkins, Norman B. 175,378.
- Coleman, Ellen. 176,449, Cl. D86—10.
- Colibri Lighters Ltd.: *See*—  
 Lowenthal, Hans. 175,895.
- Collier, Richard L., to Studebaker-Packard Corp. 175,249, Cl. D14—18.
- Collins & Aikman Corp.: *See*—  
 Smith, Edward A. 174,711.
- Collins, Anna E. and L. A., 25% T. F. Ahl and 25% to H. C. Ahl. 173,978, Cl. D9—2.
- Collins, Harry J., Jr., to Tape, Inc. 175,761, Cl. D74—1.
- Collins, Linza A.: *See*—  
 Collins, Anna E. and L. A. 173,978.
- Collura, Francesco, to General Mills, Inc. 176,063, Cl. D44—1.
- Colson, U. O., Co.: *See*—  
 Pehrson, Howard V. 174,191.  
 Reinecke, Jean O. 175,274.
- Combex Ltd.: *See*—  
 Reich, Max. 174,350.
- Combridge, George A. 175,537, Cl. D57—1.
- Combs, Dudley P., to The Maytag Co. 173,838, Cl. D49—1.
- Combs, Dudley P., to The Maytag Co. 174,022, Cl. D49—1.
- Combs, Dudley P., to The Maytag Co. 174,312, Cl. D81—4.
- Combs, Dudley P., to The Maytag Co. 174,313, Cl. D81—4.
- Combs, Dudley P., to The Maytag Co. 174,314, Cl. D81—4.
- Combs, Frayne L., Jr.: *See*—  
 Cole, Thomas W., Combs, Richer, and Schaefer. 174,491.
- Committee On Public & Patient Education On Professions: *See*—  
 Elmore, Marjorie J. 174,684.
- Commodities Sales Co. of America: *See*—  
 Tremulis, Alex S. 174,601.
- Commonwealth Plastics Corp.: *See*—  
 Levine, Morton. 173,806.  
 Levine, Morton. 173,873.  
 Levine, Morton F. 175,785.
- Conder, Christopher F., and W. R. Elliott. 174,680, Cl. D31—4.
- Congoleum-Nairn Inc.: *See*—  
 Milwid, Alben J. 173,874.
- Conlin, James, and W. Schulz, to Hanksraft Co. 176,310, Cl. D81—10.
- Connelly Containers, Inc.: *See*—  
 Kane, Alan H. 175,548.
- Conord, André: *See*—  
 Conord, Auguste. 175,495.
- Conord, Auguste, to André Conord. 175,495, Cl. D9—2.
- Conroy, Edward J., to The International Silver Co. 175,712, Cl. D54—12.
- Consolidated Diesel Electric Corp.: *See*—  
 Schaefer, Norman I., and Davis. 176,040.
- Consolidated Leather Mfg. Co.: *See*—  
 Ban, Leslie L. 175,243.  
 Ban, Leslie L. 175,244.
- Continental Art Co.: *See*—  
 Frenzel, Edgar G. 174,619.
- Continental Motors Corp.: *See*—  
 Altman, Peter, Bakke, and Robinette. 174,976.
- Continental Oil Co.: *See*—  
 Teague, Walter D. 175,051.
- Continental Scale Corp.: *See*—  
 Reinecke, Jean O. 173,913.
- Cook, Sidney A., to Aldis Brothers Ltd. 174,078, Cl. D72—1.
- Coon, James A. 176,006, Cl. D86—10.
- Copen, Edward H. 175,394, Cl. D87—3.
- Corbett, Joseph R. 174,161, Cl. D44—1.
- Cordis, Nat. 174,315, Cl. D52—3.
- Cornell Research Foundation, Inc.: *See*—  
 Weise, Frank. 173,920-173,923.
- Corning Glass Works: *See*—  
 Neal, Franklin M. 175,739.
- Coro, Inc.: *See*—  
 Breen, Frederick M. 175,821.  
 Katz, Adolph. 173,984-173,993.  
 Katz, Adolph. 173,947-173,955.  
 Katz, Adolph. 174,084-174,088.  
 Katz, Adolph. 174,126.  
 Katz, Adolph. 174,229.  
 Katz, Adolph. 174,260-174,286.  
 Katz, Adolph. 174,328.  
 Katz, Adolph. 174,388.  
 Katz, Adolph. 174,434-174,453.  
 Katz, Adolph. 174,502.  
 Katz, Adolph. 174,556-174,579.  
 Katz, Adolph. 174,626-174,639.  
 Katz, Adolph. 174,716.  
 Katz, Adolph. 174,755-174,758.  
 Katz, Adolph. 174,761-174,770.  
 Katz, Adolph. 174,860-174,878.  
 Katz, Adolph. 174,991.



- Coro, Inc.: *See*—Continued.  
 Katz, Adolph. 175,079–175,082.  
 Katz, Adolph. 175,113–175,121.  
 Katz, Adolph. 175,404–175,417.  
 Katz, Adolph. 175,507.  
 Katz, Adolph. 175,509.  
 Katz, Adolph. 175,510.  
 Katz, Adolph. 175,603–175,622.  
 Katz, Adolph. 175,724–175,730.  
 Katz, Adolph. 175,775–175,779.  
 Katz, Adolph. 175,838.  
 Katz, Adolph. 175,839.  
 Katz, Adolph. 175,952–175,967.  
 Katz, Adolph. 176,070.  
 Katz, Adolph. 176,071.  
 Katz, Adolph. 176,193–219.  
 Katz, Adolph. 176,265–176,269.  
 Katz, Adolph. 176,341–176,356.  
 Katz, Adolph. 176,416.  
 Corrigan, Francis J. 175,015, Cl. D57—1.  
 Corrigan, Joseph P. 175,670, Cl. D10—7.  
 Cory Corp.: *See*—  
 Beckstrom, Garfield L. 174,486.  
 Budlong, Robert D. 174,980.  
 Cosler, Arthur S., Jr., and R. K. Patterson. 173,795, Cl. D7—2.  
 Cote, Jeanette E. 175,880, Cl. D3—17.  
 Cote, Raymond E. 175,016, Cl. D15—8.  
 Cotterell, Theo R. 174,316, Cl. D85—2.  
 Cotts, Louis C. 174,415, Cl. D81—21.  
 Coty, Inc.: *See*—  
 Breen, Frederick M. 175,153.  
 Coughlin, William A. 174,737, Cl. D44—9.  
 Cowen, Wesley M. 174,530, Cl. D85—8.  
 Cowgill, Paul K. 174,738, Cl. D34—5.  
 Craftsmen's Guild: *See*—  
 Fuller, Richard P. 174,119.  
 Fuller, Richard P. 175,542.  
 Crandell, Frank F., and G. D. Perkins, to Photo Research Corp. 174,162, Cl. D61—1.  
 Crane, Norton B. 175,671, Cl. D11—1.  
 Crapsey, Arthur H., Jr., to Eastman Kodak Co. 174,111, Cl. D61—1.  
 Crapsey, Arthur H., Jr., to Eastman Kodak Co. 174,681, Cl. D61—1.  
 Crapsey, Arthur H., Jr., to Eastman Kodak Co. 174,800, Cl. D61—1.  
 Crapsey, Arthur H., Jr., to Eastman Kodak Co. 174,982, Cl. D61—1.  
 Crapsey, Arthur H., Jr., to Eastman Kodak Co. 175,156, Cl. D61—1.  
 Crawford, Clarence E. 173,869, Cl. D58—12.  
 Crawford, Kenneth Z. 173,937, Cl. D48—24.  
 Crea, Joseph I. 173,896, Cl. D74—21.  
 Crehan, James, Jr. 175,157, Cl. D15—1.  
 Crenshaw, James D. 173,979, Cl. D91—3.  
 Crest Lock Co., Inc.: *See*—  
 Levine, David. 175,844.  
 Cretors, C., & Co.: *See*—  
 Prislund, Theodore. 176,080.  
 Critzer, William E. 175,209, Cl. D56—1.  
 Crockett, John W., to Purse-Lite, Inc. 175,933, Cl. D48—24.  
 Crockett, William P., Jr., to Mackie-Lovejoy Mfg. Co. 174,739, Cl. D33—8.  
 Crook, Frank M., to Toledo Desk & Fixture Corp. 175,672, Cl. D4—2.  
 Crosby, Bennie W. 176,311, Cl. D31—4.  
 Crowle, Robert H.: *See*—  
 Jones, Charles E., and Crowle. 176,138.  
 Crowle, William G.: *See*—  
 Jones, Charles E., and Crowle. 176,413.  
 Crown Controls Co., Inc.: *See*—  
 Dicke, Paul A. 176,009.  
 Shelby, Thomas L. 176,161.  
 Crummins, Florence B. 174,163, Cl. D3—25.  
 Cunningham, Vergil, deceased; Darrow D. Dorr, executor, to Durward D. Dorr. 173,897, Cl. D44—1.  
 Cunningham, Vergil, deceased (Darrow D. Dorr, executor), to Durward D. Dorr. 175,713, Cl. D44—1.  
 Curran, Robert J. 174,947, Cl. D62—4.  
 Curtiss-Wright Corp.: *See*—  
 Alley, Clement W. 175,004.  
 Fleming, Jack F. 176,316.  
 Curtze, Walter A., to Sterling Factories. 174,164, Cl. D74—9.  
 Custer, Willard R. 175,881, Cl. D71—1.  
 Custom Marine Equipment Corp.: *See*—  
 Whitehouse, John H. 176,297.  
 Whitehouse, John H. 176,298.  
 Cutcliffe, William R. 175,882, Cl. D45—19.  
 Dahlberg, Arnold R., to The Dahlberg Co. 174,531, Cl. D26—14.  
 Dahlberg Co., The: *See*—  
 Dahlberg, Arnold R. 174,531.  
 Dahlgren, Carl G. 176,176, Cl. D33—14.  
 Dailey, Donald E., to Servel, Inc. 173,938, Cl. D67—3.  
 Dailey, Donald E., to Servel, Inc. 174,165, Cl. D62—4.  
 Daimler-Benz Aktiengesellschaft: *See*—  
 Nallinger, Friedrich K. H., and Uhlenhaut. 176,277.  
 Nallinger, Friedrich K. H., and Uhlenhaut. 176,278.  
 Dairy Crown Corp.: *See*—  
 Triantafillou, Tom, Bradford, La Riviere, and Michutka. 174,520.  
 D'Alessandro, Anthony: *See*—  
 Licinit, John, and D'Alessandro. 175,264.  
 D'Aliberti, Michael. 175,934, Cl. D34—5.  
 Dalton, Bruce H., and E. V. Lewis, to The Houston Fearless Corp. 175,298, Cl. D61—1.  
 Daniels, Frederick A., to Eagle Pencil Co. 174,249, Cl. D74—24.  
 Daniels, Frederick A., to Eagle Pencil Co. 174,250, Cl. D74—24.  
 Daon, Rene, to Supersite Corp. 176,312, Cl. D14—6.  
 Dapol Plastic, Inc.: *See*—  
 Goldrosen, David. 174,857.  
 Darbo, Rolf E. 175,673, Cl. D52—7.  
 Darr, Harold W., to Valco Corp. 174,948, Cl. D71—1.  
 Darr, Harold W., to Hot Shot Products Co. 175,158, Cl. D12—2.  
 Darr, Harold W., to Char-Lynn Co. 175,395, Cl. D78—1.  
 Darr, Harold W., to United Petroleum Gas Co. 175,591, Cl. D52—1.  
 D'Ath, Philip O. 174,166, Cl. D80—8.  
 Daum, Howard A. 176,249, Cl. D48—31.  
 Davern, Kevin F.: *See*—  
 White, Warwick J., and Davern. 174,242.  
 Daves, Major E. 174,492, Cl. D31—4.  
 David, Vernon J. 175,104, Cl. D55—1.  
 Davidson, Farris B. 174,801, Cl. D86—8.  
 Davidson, Frank H. 174,740, Cl. D45—9.  
 Davidson, John T., and P. E. Simmons. 175,496, Cl. D64—11.  
 Davis, Harold D. 174,251, Cl. D22—3.  
 Davis, Harold M. 175,935, Cl. D54—13.  
 Davis, Jerome I.: *See*—  
 Schaffer, Norman I., and Davis. 176,040.  
 Davis, Louis: *See*—  
 Greco, John, and Davis. 174,858.  
 Davis, Myron F., Jr.: *See*—  
 Kress, George H., and Davis. 175,173.  
 Kress, George H., and Davis. 175,174.  
 Kress, George H., and Davis. 175,732.  
 Kress, George H., and Davis. 176,026.  
 Kress, George H., and Davis. 176,027.  
 Davis, Vance J.: *See*—  
 Benson, Arthur E., and Davis. 175,063.  
 Dawson, Kenneth C., to Lakeshore Industries Inc. 176,007, Cl. D14—3.  
 Dawson, Robert H., to The Imperial Brass Mfg. Co. 175,538, Cl. D78—1.  
 Day, John F., and H. F. Maschin, to The Westfield Mfg. Co. 175,674, Cl. D90—1.  
 Day, Wilbur M.: *See*—  
 Millington, William, and Day. 176,423–176,427.  
 Day-Brite Lighting, Inc.: *See*—  
 Meyer, Carl X., and Stahlhut. 175,431.  
 Meyer, Carl X., and Stahlhut. 175,433.  
 Meyer, Carl X., and Stahlhut. 176,367.  
 Daystrom, Inc.: *See*—  
 Johnson, Gordon L. 174,387.  
 Kipp, Karl. 174,695.  
 Dayton, Gordon. 176,108, Cl. D30—1.  
 Dazey Corp., The: *See*—  
 Lehmann, George A. 175,311.  
 Palma, Joseph, Jr. 173,911.  
 Palma, Joseph, Jr. 175,477.  
 Dazor Mfg. Corp.: *See*—  
 Mehr, Jacob A. 174,508.  
 Mehr, Jacob A. 175,432.  
 De Angelis, Armand, to American Optical Co. 174,983, Cl. D57—1.  
 De Angelis, Paul M. 173,839, Cl. D35—2.  
 Deaton, Charles U., to Diebold, Inc. 174,949, Cl. D69—1.  
 De Bernardi, Anthony, and M. Palombi. 175,714, Cl. D36—8.  
 De Bisschop, Constance C., to Bank of Hawaii. 173,898, Cl. D34—11.  
 Deen, Dorothy: *See*—  
 Bernhardt, Paul, and Deen. 173,782.  
 Deere & Co.: *See*—  
 Witzel, Homer D., and Rohweder. 174,788.  
 De Forte, Florence S. 175,715, Cl. D80—9.  
 De Forte, Florence S. 175,716, Cl. D80—9.  
 De Grave, Charles J., Jr., to Bausch & Lomb Optical Co. 176,064, Cl. D57—1.  
 Deicken, Louis A. 175,762, Cl. D74—11.  
 De Lacy, Joseph H. 174,802, Cl. D61—1.  
 Delaney, Carroll S. 174,682, Cl. D4—3.  
 Del Giudice, Frank J., to Boeing Airplane Co. 176,250, Cl. D14—3.  
 Deliso, John. 173,939, Cl. D54—16.  
 Del Mas, Christy M., to M. P. Grace. 174,023, Cl. D44—29.  
 Del Mas, Christy M. 174,024, Cl. D45—16.  
 Del Mas, Christy M., to M. P. Grace. 175,763, Cl. D58—12.6.  
 Del Mas, Christy M., to M. P. Grace. 176,109, Cl. D58—26.  
 Del Orsine, Richard M., to La Della Art Studios. 174,683, Cl. D48—20.  
 Demmel, Anton, to Olympia Werke West G. m. b. H. 174,493, Cl. D64—11.  
 De Mond, William. 175,299, Cl. D58—12.  
 Den Blaker, William E. 176,008, Cl. D34—5.  
 Denison Corp.: *See*—  
 Blanchard, Donn C. 174,156.



- Denniston, Grace B. 175,936, Cl. D3—26.  
 De Noble, Henry M. 173,840, Cl. D72—1.  
 De Sakhnoffsky, Alexis, to The Yale & Towne Mfg. Co. 174,112, Cl. D14—3.  
 Design Stamping Corp.: *See*—  
   Tedaldi, John L., and Gross. 174,201.  
 Desmond, James L., Jr. 176,251, Cl. D44—29.  
 Deutsch, Bela: *See*—  
   Knaebel, Thomas C., and C. J. Deutsch. 175,890.  
 Deutsch, Carl J.: *See*—  
   Knaebel, Thomas C., and C. J. Deutsch. 175,890.  
 Deutsch, Herman: *See*—  
   Knaebel, Thomas C., and C. J. Deutsch. 175,890.  
 Deutsche Grammophon Gesellschaft mit beschränkter Haftung: *See*—  
   Appel, Wolfgang, and Krust. 175,142.  
 Development Research, Inc.: *See*—  
   Soffer, Jack W. 175,863.  
 De Vilbiss Co., The: *See*—  
   Gamble, Harold R. 174,901.  
 Devlin, Leo J.: *See*—  
   Heinemann, Edward H., and Devlin. 175,108.  
 De Vriendt, Leo. 176,065, Cl. D31—4.  
 Dewes, Friedrich A. 174,854, Cl. D85—8.  
 Dexter Wayne Co.: *See*—  
   Ecoff, Ralph S. 174,494.  
 Dey, John A. 174,113, Cl. D34—15.  
 Dicke, Paul A., to Crown Controls Co., Inc. 176,009, Cl. D26—1.  
 Dictaphone Corp.: *See*—  
   O'Neil, William J. 176,152.  
 Diebold, Inc.: *See*—  
   Deaton, Charles U. 174,949.  
 Diesbach, F. B.: *See*—  
   Katz, Russell. 176,357.  
 Dietz, Robert E., to Acris Manufacturing Co., Inc. 176,313, Cl. D74—9.  
 Di Loreto, Albert. 174,803, Cl. D62—4.  
 Dine, Lester A., and E. S. Lemmey. 174,025, Cl. D61—1.  
 Dion, Alfred C. and H. J. 175,337, Cl. D15—1.  
 Dion, Henry J.: *See*—  
   Dion, Alfred C. and H. J. 175,337.  
 Dior, Christian. 174,114, Cl. D20—2.  
 Dior, Christian. 174,115, Cl. D20—2.  
 Di Piero, Herbert H. 174,252, Cl. D52—1.  
 Di Pretoro, Thelma M. 175,017, Cl. D3—13.  
 Di Stasi, Arthur J. 173,940, Cl. D34—15.  
 Dixon, Corinne B. 175,592, Cl. D34—15.  
 Dixon, Ramon V. 174,616, Cl. D15—8.  
 Djidich, Robert, to Robert Djidich Machine Products Corp. 176,450, Cl. D54—14.  
 Djidich, Robert, Machine Products Corp.: *See*—  
   Djidich, Robert. 176,450.  
 Doak Aircraft Co., Inc.: *See*—  
   Doak, Edmond R., and Nelson. 176,110.  
 Doak, Edmond R., and N. E. Nelson, to Doak Aircraft Co., Inc. 176,110, Cl. D71—1.  
 Doak, John H. 175,937, Cl. D33—8.  
 Dobrin, Edward F.: *See*—  
   Ween, Sidney, and Dobrin. 175,484.  
 Dodge, Helen A. 174,617, Cl. D7—7.  
 Doell, Raymond G.: *See*—  
   Casey, Charles L., and Doell. 174,945.  
 Doerfler, Robert L., to The International Silver Co. 175,824, Cl. D54—12.  
 Dolan, Francis D., to The American Floor Surfacing Machine Co. 175,396, Cl. D37—1.  
 Dolan, Francis D., to The American Floor Surfacing Machine Co. 176,111, Cl. D9—5.  
 Doles, James E. 174,216, Cl. D56—4.  
 Dolgorukov, Gregory S. 174,376, Cl. D74—1.  
 Dolgorukov, Gregory S. 174,416, Cl. D74—1.  
 Dolgorukov, Gregory S. 174,417, Cl. D74—1.  
 Doman, David T., to Porter-Cable Machine Co. 175,825, Cl. D93—3.  
 Dornik, Peter, Jr.: *See*—  
   Martin, Frank S., Pietraszek, and Dornik. 176,470.  
 Dorr, Darrow D.: *See*—  
   Cunningham, Vergil. 173,897.  
   Cunningham, Vergil. 175,713.  
 Dorr, Durward D.: *See*—  
   Cunningham, Vergil. 173,897.  
   Cunningham, Vergil. 175,713.  
 Dossman, Jacob A. 174,377, Cl. D29—20.  
 Dotson, Donald R. 175,764, Cl. D71—1.  
 Douglas Aircraft Co., Inc.: *See*—  
   Heinemann, Edward H., and Devlin. 175,108.  
 Drago, Vincent A. 174,378, Cl. D29—1.  
 Drake, William H. 175,883, Cl. D86—10.  
 Dreier Brothers, Inc.: *See*—  
   Dreier, Raymond C. 173,796.  
   Dreier, Raymond C. 174,167.  
 Dreier, Raymond C., to Dreier Brothers, Inc. 173,796. Cl. D41—1.  
 Dreier, Raymond C., to Dreier Brothers, Inc. 174,167, Cl. D93—4.  
 Dremel, Albert J. 174,116, Cl. D93—3.  
 Drengwitz, Paul, and J. C. Leverett. 174,217, Cl. D3—19.  
 Drexel Furniture Co.: *See*—  
   Hollowell, John V. 176,019.  
 Dreyfuss, Henry, to The Hoover Co. 175,210, Cl. D9—2.  
 Dreyfuss, Henry, to Minneapolis-Honeywell Regulator Co. 175,675, Cl. D52—7.  
 Driemeyer, William G., and G. C. Thym, to Joy Mfg. Co. 175,497, Cl. D81—1.  
 Driggs, Ivan H., A. Hyatt, and F. E. Ellis, Jr. 175,397, Cl. D71—1.  
 Duchin, Maurice. 174,532, Cl. D80—10.  
 Duchin, Maurice. 175,826, Cl. D33—3.  
 Duncan, Alan W. 174,533, Cl. D81—2.  
 Duncan, Alan W. 174,534, Cl. D81—2.  
 Duncan, Alan W. 174,535, Cl. D81—2.  
 Duncan, Donald F., Inc.: *See*—  
   Ives, Thomas H. 175,022.  
 Duncan & Miller Glass Co., The: *See*—  
   Honeywell, Annette. 173,871.  
   Honeywell, Annette. 173,872.  
 Duncan, Norman S. 176,252, Cl. D44—15.  
 Dunfield-Durkee, Inc.: *See*—  
   Moberg, Jerome E. 174,586.  
 Dunkle, Frank E. 175,159, Cl. D58—26.  
 Dunlop Tire and Rubber Corp.: *See*—  
   Jones, Frank B. 175,889.  
 Dunn, Forrest A. 175,539, Cl. D52—7.  
 Du Pont, Benjamin B.: *See*—  
   Koepp, Rudolph H., and du Pont. 174,697.  
 Durant, Lyndon A., to General Patent Corp. 175,398, Cl. D34—5.  
 Duro Metal Products Co.: *See*—  
   Paine, Karl A., Jr. 174,919.  
 Dutton, Lucy M., to Onondaga Pottery Co. 174,218, Cl. D44—15.  
 Dyrud, Martinus J. 174,317, Cl. D16—2.  
 EZ Fold, Inc.: *See*—  
   Hornung, Michael, and Claussen. 176,335.  
 E-Z Mills, Inc.: *See*—  
   Prichard, Patricia A. 175,976.  
   Prichard, Patricia A. 175,977.  
 Eagle Pencil Co.: *See*—  
   Daniels, Frederick A. 174,249.  
   Daniels, Frederick A. 174,250.  
 Earl, Harley J., and N. F. Nickles, to General Motors Corp. 175,018, Cl. D48—32.  
 Eastern Jewelry Mfg. Co., Inc.: *See*—  
   Katz, Adolph. 174,692.  
   Katz, Adolph. 174,693.  
   Katz, Adolph. 174,694.  
   Katz, Adolph. 174,759.  
   Katz, Adolph. 174,760.  
   Katz, Adolph. 175,508.  
 Eastman Kodak Co.: *See*—  
   Crapsey, Arthur H., Jr. 174,111.  
   Crapsey, Arthur H., Jr. 174,681.  
   Crapsey, Arthur H., Jr. 174,800.  
   Crapsey, Arthur H., Jr. 174,982.  
   Crapsey, Arthur H., Jr. 175,156.  
   Knowles, Frederick G. 174,696.  
   Knowles, Frederick G. 174,880.  
   Knowles, Frederick G. 175,891.  
   Malone, Harold L., and Husted. 175,226.  
 Easton, Anthony. 175,498, Cl. D44—10.  
 Eby, Hugh H., Inc.: *See*—  
   Ritter, Edwin E. 174,057.  
 Eby, Richard R., O. W. Luek, J. W. McDuffie, and E. B. Nolt, to The Sperry Corp. 174,898, Cl. D40—1.  
 Eckhardt, Robert, P. Henrici, and A. Gross, to Ernst Leitz G. m. b. H. 174,536, Cl. D61—1.  
 Ecoff, Ralph S., to R. I. Polite, d. b. a. Dexter Wayne Co. 174,494, Cl. D7—5.  
 Ednalite Optical Co., Inc., The: *See*—  
   Weinstein, Alex J. 174,302.  
 Edwards, Lewis W.: *See*—  
   West, Russell A., and Edwards. 174,152.  
 Ehram, Frederick. 174,537, Cl. D93—4.  
 Eickemeyer, Ludwig, to Gibraltar Mfg. Co., Inc. 174,538, Cl. D48—20.  
 Eickemeyer, Ludwig, to Gibraltar Mfg. Co., Inc. 174,539, Cl. D48—20.  
 Eickemeyer, Ludwig, to Gibraltar Mfg. Co., Inc. 174,984, Cl. D48—20.  
 Eickemeyer, Ludwig, to Gibraltar Manufacturing Co., Inc. 176,314, Cl. D48—20.  
 Ekco Products Co.: *See*—  
   Reinicke, Robert W. 175,978.  
   Reinicke, Robert W. 175,979.  
   Reinicke, Robert W. 175,980.  
   Reinicke, Robert W. 176,379.  
   Seibert, Leslie W., Jr. 176,160.  
   Wagner, Franz. 174,723.  
 Electric Steam Radiator Corp.: *See*—  
   Fisher, Roy R. 175,301.  
 Electro-Flasher Co.: *See*—  
   Wiswell, Grant A. 173,826.  
 Electrolux Corp.: *See*—  
   Guild, Lurette V. A., Lampe, and Norrick. 175,845.  
 Electro-Voice, Inc.: *See*—  
   Burroughs, Louis R. 175,759.  
 Elesh, Joseph, to Flexi-Mat Corp. 175,463, Cl. D34—5.  
 Ellins, Arthur, to Federal Machine & Tool Co., Inc. 175,827, Cl. D44—1.  
 Elliott, Mervin A., to International Latex Corp. 174,899, Cl. D80—10.  
 Elliott, William R.: *See*—  
   Conder, Christopher F., and Elliott. 174,680.  
 Ellis, Frampton E., Jr.: *See*—  
   Driggs, Ivan H., Hyatt, and Ellis. 175,397.



- Ellman, Bernard, to Mastercrafters Clock & Radio Co. 176,177, Cl. D42—7.  
 Ellmore Silver Co., Inc., The: *See*—  
 Lipman, Isadore A. 174,337.  
 Elmore, Marjorie J., to Committee On Public & Patient Education On Professions. 174,684, Cl. D3—9.  
 Else, Walter J. 175,499, Cl. D44—15.  
 Embo Casual Footwear Corp.: *See*—  
 Bonyhady, Emil M. 174,938.  
 Emery, Margaret H. 175,211, Cl. D34—4.  
 Emery, Margaret H. 175,212, Cl. D34—4.  
 Emmert, George W., to Federal Tool Corp. 175,066, Cl. D74—1.  
 Empire Crafts Corp.: *See*—  
 Perry, Frank R. 176,078.  
 Engel, Elwood P., to General Time Corp. 174,379, Cl. D42—7.  
 Engelmeier, Julia. 174,026, Cl. D3—32.  
 Engels, Charles O., and E. F. Todd, to The Imperial Brass Mfg. Co. 174,380, Cl. D80—11.  
 Enger-Kress Co.: *See*—  
 Anderson, Jac B., and Hughes. 176,093.  
 Hughes, John, Jr. 174,125.  
 Le Sac, Carolyn. 174,505.  
 Engle, Carl J. 176,178, Cl. D42—7.  
 Ennen, Louis H. 176,451, Cl. D86—10.  
 Ensign, Robert H.: *See*—  
 Teague, Walter D., Bing, Ensign, Fairbank, and Hunter. 175,571.  
 Ensign, Robert H., to The Phoenix Glass Co. 174,318, Cl. D48—16.  
 Ensign, Robert H., and C. A. Jerabek, to The Phoenix Glass Co. 174,219, Cl. D48—16.  
 Enterprise Aluminum Co., The: *See*—  
 Krause, Richard F. 174,504.  
 Ericson, Merrill D. 176,405, Cl. D34—13.  
 Ernest, Robert O.: *See*—  
 Jepson, Ivar, and Ernest. 174,431.  
 Jepson, Ivar, and Ernest. 175,602.  
 Ernest, Robert O., to Sunbeam Corp. 174,117, Cl. D44—1.  
 Ernest, Robert O., to Sunbeam Corp. 175,067, Cl. D37—1.  
 Ernest, Robert O., and I. Jepson, to Sunbeam Corp. 176,406, Cl. D22—3.  
 Ernst, W. Arthur. 175,338, Cl. D44—1.  
 Ertsgaard, Byron L., S. V. Sonmore, and R. J. Luger, Jr., to Toro Mfg. Corp. of Minnesota. 175,540, Cl. D40—1.  
 Ertsgaard, Byron L., S. V. Sonmore, and R. J. Luger, Jr., to Toro Mfg. Corp. of Minnesota. 176,179, Cl. D40—1.  
 Eshelman, Cheston L. 175,938, Cl. D14—3.  
 Esterbrook Pen Co., The: *See*—  
 Steinberg, Harold E. 174,889.  
 Steinberg, Harold E., and Klagges. 175,864.  
 Estwing, Ernest O., to Estwing Mfg. Co., Inc. 176,452, Cl. D80—1.  
 Estwing Mfg. Co., Inc.: *See*—  
 Estwing, Ernest O. 176,452.  
 Ettlinger, Ralph, Jr.: *See*—  
 Richland, Lucile B., and Ettlinger. 175,567.  
 Evans, Lloyd G.,  $\frac{1}{2}$  to A. J. Krajewski. 174,253, Cl. D34—5.  
 Evans, Richard C.: *See*—  
 Blazek, William J., Evans, and Barkley. 173,831.  
 Evans, Vincent: *See*—  
 Wait, Louis S. 175,812.  
 Evarts, Ralph E., to The O. A. Sutton Corp., Inc. 174,118, Cl. D62—4.  
 Even-Pul Foundations, Inc.: *See*—  
 Lo Cascio, Jack J. 175,178.  
 Eversharp, Inc.: *See*—  
 Glaberson, Martin. 174,036.  
 Glaberson, Martin. 174,037.  
 Glaberson, Martin. 174,120.  
 Evins, David, to Johnston & Murphy. 173,980, Cl. D7—7.  
 Evins, David, to Johnston & Murphy. 176,066, Cl. D7—7.  
 Evins, David, to Johnston & Murphy. 176,315, Cl. D7—7.  
 Ewing, Marion L., and O. P. Kambestad,  $\frac{1}{2}$  to Kambestad-Ewing, Inc. 174,418, Cl. D14—3.  
 Ewing, Marion L., and O. P. Kambestad, to Kambestad-Ewing, Inc. 175,105, Cl. D54—14.  
 Fader, Arthur I., and I. Nevin. 175,068, Cl. D81—10.  
 Fairbank, Murry N.: *See*—  
 Teague, Walter D., Bing, Ensign, Fairbank, and Hunter. 175,571.  
 Fales, Dennis E.: *See*—  
 Squier, John M., Fales, McIntosh, Balmer, and Petlewski. 175,804.  
 Falk, Stadelmann & Co. Ltd.: *See*—  
 Rayner, Sidney. 174,888.  
 Faller, Frank, to Restwell Mfg. Co. 175,106, Cl. D15—11.  
 Farber, Louis. 174,168, Cl. D85—2.  
 Farber, Louis. 174,741, Cl. D85—2.  
 Farbush, Paul S. 175,300, Cl. D33—8.  
 Farkas, Eugene, and A. Haddad. 174,027, Cl. D52—1.  
 Farr, John F. 173,899, Cl. D26—13.  
 Farrington Mfg. Co., The: *See*—  
 Blod, Francis E. 174,672.  
 Farver, Orville W., to Blissfield Mfg. Co. 174,381, Cl. D62—4.  
 Faulkner, Thomas G. 174,220, Cl. D31—4.  
 Faust, John E. 175,250, Cl. D2—3.  
 Fawick Flexi-Grip Co.: *See*—  
 Karns, James A. 174,183.  
 Featherstone, Garnet I.: *See*—  
 Castro, Victor, and Featherstone. 176,247.  
 Federal Machine & Tool Co., Inc.: *See*—  
 Ellins, Arthur. 175,827.  
 Federal Tool Corp.: *See*—  
 Emmert, George W. 175,066.  
 Reinecke, Jean O. 175,521.  
 Reinecke, Jean O. 176,083.  
 Feer, Lawrence P., to Oneida, Ltd. 175,828, Cl. D54—12.  
 Feinstein, Morris A. 174,540, Cl. D81—10.  
 Feintuch, Max. 173,941, Cl. D34—15.  
 Feldhorn, Julius: *See*—  
 Freedman, Jerome, and Feldhorn. 174,496.  
 Fenlason, Donna L. 174,419, Cl. D7—7.  
 Fennell, Michael J. 175,160, Cl. D80—9.  
 Fenton, Charles F. 174,618, Cl. D48—20.  
 Ferar, Montgomery, to Seeger Refrigerator Co. 173,797, Cl. D67—3.  
 Ferar, Montgomery, to Whirlpool Corp. 175,019, Cl. D49—1.  
 Ferguson, George W. 174,420, Cl. D31—4.  
 Fern, Jules, to Fern Shoe Co. 175,500, Cl. D7—7.  
 Fern Shoe Co.: *See*—  
 Fern, Jules. 175,500.  
 Fewkes, William J.: *See*—  
 Handley, Helen. 175,402.  
 Fields, Mack R., G. R. Ryan, and R. A. McMinn, to Abbott Laboratories. 174,985, Cl. D83—1.  
 Filipowicz, Edwin A.: *See*—  
 Hope, David G., Filipowicz, Renard, and Wiggins. 175,599.  
 Fineman, Bernard and I. 174,169, Cl. D48—20.  
 Fineman, Isadore: *See*—  
 Fineman, Bernard and I. 174,169.  
 Fink, Anthony L. 174,028, Cl. D44—1.  
 Fink, Robert R., to Kawneer Co. 176,180, Cl. D54—2.  
 Fink, Robert R., to Kawneer Co. 175,765, Cl. D10—8.  
 Firth Carpet Co., Inc., The: *See*—  
 Wadely, Harold E. 174,204.  
 Fischer, Joseph. 174,319, Cl. D14—6.  
 Fischett, Charles. 175,884, Cl. D48—2.  
 Fisher, Bruce & Co.: *See*—  
 Muench, Toni O. 174,050.  
 Muench, Toni O. 174,051.  
 Muench, Toni O. 175,738.  
 Fisher, Roy R., to Electric Steam Radiator Corp. 175,301, Cl. D83—1.  
 Fishlove, Irving H. 175,717, Cl. D34—15.  
 Fitzpatrick, William B. 175,829, Cl. D59—2.  
 Flanagan, Anna C. 174,224, Cl. D92—26.  
 Fleming, Jack F.: *See*—  
 Meyerhoefer, Carl E., and Fleming. 174,396.  
 Fleming, Jack F., to Sterling Plastics Co. 175,399, Cl. D74—21.  
 Fleming, Jack F., to Curtiss-Wright Corp. 176,316, Cl. D57—1.  
 Fletcher, Charles J. 174,254, Cl. D71—1.  
 Fletcher, Horace G. 175,400, Cl. D51—1.  
 Fletcher, Robert O., to General Electric Co. 174,170, Cl. D42—7.  
 Fletcher, Robert O., to General Electric Co. 174,742, Cl. D42—7.  
 Fletcher, Robert O., to General Electric Co. 174,986, Cl. D42—7.  
 Fletcher, Robert O., to General Electric Co. 175,501, Cl. D42—7.  
 Fletcher, Robert O., to General Electric Co. 176,407, Cl. D42—7.  
 Flexer, David, and B. B. Sharer. 174,900, Cl. D15—11.  
 Flexi-Mat Corp.: *See*—  
 Elsh, Joseph. 175,463.  
 Florence Stove Co.: *See*—  
 Jenks, Albert L. 176,137.  
 Florian, Gordon W.: *See*—  
 Olson, Henry L., and Florian. 176,032.  
 Florian, Gordon W., to Air-Way Electric Appliance Corp. 174,382, Cl. D9—2.  
 Florio, Vito W. 175,161, Cl. D44—29.  
 Floyd Culver J.: *See*—  
 Pall, Eldon W., and Floyd. 175,207.  
 Foley Mfg. Co.: *See*—  
 Gorin, Charlotte P. 175,304.  
 Follettie, Joseph. 175,502, Cl. D34—8.  
 Folley, Donald E. 174,225, Cl. D34—5.  
 Folley, Donald E. 175,213, Cl. D34—5.  
 Folley, Donald E. 175,339, Cl. D34—5.  
 Folley, Donald E. 175,340, Cl. D34—5.  
 Food Machinery and Chemical Corp.: *See*—  
 Griffith, Clifford J. 174,123.  
 Griffith, Clifford J. 174,124.  
 Petertyl, Sidney V. 174,134.  
 Foote, John, Shoe Co., The: *See*—  
 Jackson, Andrew C. 174,501.  
 Ford, Clifford S. 174,421, Cl. D35—3.  
 Ford, Silas M. 175,718, Cl. D34—15.  
 Foreman, Howard A., and H. E., to Racine Stamping Corp. 174,171, Cl. D50—7.  
 Foreman, Howard E.: *See*—  
 Foreman, Howard A. and H. E. 174,171.  
 Formfit Co., The: *See*—  
 Williamson, Anne O. 174,304.  
 Fort Howard Paper Co.: *See*—  
 Hope, David G., Filipowicz, Renard, and Wiggins. 175,599.  
 Renard, Winford G., and Wiggins. 173,855.  
 Fossum, Joseph A. 174,743, Cl. D33—8.



- Foster Grant Co., Inc.: *See*—  
 Bloch, Jack. 176,440.  
 Foster, Joseph C. 174,172.
- Foster, Herbert P. 174,685, Cl. D13—1.
- Foster, Joseph C., to Foster Grant Co., Inc. 174,172, Cl. D80—9.
- Foster, William P., to James G. Biddle Co. 175,766, Cl. D26—5.
- Fowler, Alvah W. 174,173, Cl. D34—5.
- Fowler, Alvah W. 176,408, Cl. D31—4.
- Fowler, Winfred D. 176,453, Cl. D52—9.
- Fox, Harold. 176,317, Cl. D58—12.
- Francis, Ernest J. 175,541, Cl. D58—12.
- Francis, Thomas H. 173,942, Cl. D48—20.
- Frank, Kurt, and R. G. McPhail, to Holophane Co., Inc. 174,804, Cl. D48—16.
- Franks, Norvin H., to Sturdi-Bilt Steel Products, Inc. 173,841, Cl. D48—20.
- Fraser, Betty J.: *See*—  
 Fraser, Edward E. and B. J. 174,495.
- Fraser, Edward E. and B. J. 174,495, Cl. D3—26.
- Fredericks, Marshall M., to Studebaker-Packard Corp. 175,162, Cl. D14—18.
- Freed, Talla, and F. Gaer. 176,253, Cl. D33—9.
- Freedman, Alvin, to Oxford Metal Spinning Co., Inc. 175,830, Cl. D85—2.
- Freedman, Jerome, and J. Feldhorn. 174,496, Cl. D15—1.
- Freeman, Jos., & Co., Inc.: *See*—  
 Stoler, Louis. 175,482.
- Freiberg, Harry S. 175,831, Cl. D33—19.
- French, Elby E., to O. K. Rubber, Inc. 175,214, Cl. D90—20.
- French, William B., and J. W. Bragg. 174,029, Cl. D33—14.
- French, William B., and J. W. Bragg. 174,030, Cl. D33—14.
- Frenzel, Edgar G., to Continental Art Co. 174,619, Cl. D29—23.
- Frick, William H. 174,422, Cl. D14—3.
- Frick, William H. 175,719, Cl. D14—3.
- Friddell, Roy P. 173,798, Cl. D14—14.
- Friedman, Joe H. 174,383, Cl. D91—1.
- Frischer, Leonard. 176,010, Cl. D92—1.
- Frishberg, Bernard. 174,950, Cl. D34—15.
- Frishberg, Bernard. 174,951, Cl. D34—15.
- Fritz, Richard E., to The William L. Gilbert Clock Corp. 174,805, Cl. D42—7.
- Frydlander, Sophie, to Lancome, S. A. 174,031, Cl. D58—9.
- Fuchs, Irwin E., and L. Kresser, to The Bardahl Oil Co., Inc. 175,341, Cl. D16—2.
- Fuerst, Brooks D., to The Welch Grape Juice Co., Inc. 176,181, Cl. D58—8.
- Fujita, Kisaku. 176,318, Cl. D70—1.
- Fuller Box Co., Inc.: *See*—  
 King, Virginia A. 174,454.
- Fuller Brush Co., The: *See*—  
 Caisse, Paul G. 176,308.
- Fuller, Richard P., to Craftsmen's Guild. 174,119, Cl. D61—1.
- Fuller, Richard P., to Craftsmen's Guild. 175,542, Cl. D61—1.
- Funkey, John H., to Carr-Lowrey Glass Co. 175,676, Cl. D58—6.
- G. M. Laboratories Inc.: *See*—  
 Palma, Joseph, Jr., and Leubner. 173,996.
- Gabriel Co., The: *See*—  
 Chapman, Dave. 174,159.  
 Chapman, Dave. 174,160.
- Gaer, Fay: *See*—  
 Freed, Talla, and Gaer. 176,253.
- Gaichel, Pearl P. 176,112, Cl. D3—13.
- Galambossy, David. 174,032, Cl. D34—5.
- Gale, James G., to Newman Mfg. and Sales Co. 175,302, Cl. D54—11.
- Galef, Richard G., to The Ravenware Co., Inc. 174,255, Cl. D74—9.
- Galef, Richard G., to The Ravenware Co., Inc. 174,744, Cl. D85—2.
- Gallo, Michael S. 175,677, Cl. D31—2.
- Gallo, John C., Jr. 173,799, Cl. D54—14.
- Gamble, Harold R., to The De Vilbiss Co. 174,901, Cl. D65—1.
- Gamerding, Albert. 173,943, Cl. D48—4.
- Gamewell Co., The: *See*—  
 Ayres, Samuel, Jr. 175,006.
- Gandola, Frank V. 175,069, Cl. D14—3.
- Gangbin, Irol G., 1/2 to L. E. Hansen. 174,686, Cl. D44—15.
- Gardner-Denver Co.: *See*—  
 Shulters, Robert B., and Bos. 175,193.
- Gardner, Ralph T. 175,593, Cl. D61—1.
- Garrett, Harry R.: *See*—  
 Sullivan, Maxie M., and H. R. and J. F. Garrett. 175,989.
- Garrett, James F.: *See*—  
 Sullivan, Maxie M., and H. R. and J. F. Garrett. 175,989.
- Garrison, Jeane R. 174,384, Cl. D34—13.
- Garton Toy Co.: *See*—  
 Rhoades, Nolan. 176,037.
- Garvey, John B. 173,981, Cl. D29—23.
- Garvin, John H. 174,855, Cl. D58—26.
- Gast, George A., to R. T. Moloney. 173,800, Cl. D34—5.
- Gavin, Dorothy M. 174,541, Cl. D58—9.
- Gay, Fred G., Jr., and R. F. E. Stegeman, to Bausch & Lomb Optical Co. 173,801, Cl. D57—1.
- Gaylord, James E. 174,033, Cl. D85—2.
- Gaylord, James K., and L. E. Thatcher, to Gaylord Products, Inc. 173,802, Cl. D14—30.
- Gaylord, James K., and L. E. Thatcher, to Gaylord Products, Inc. 173,803, Cl. D14—30.
- Gaylord Products, Inc.: *See*—  
 Gaylord, James K., and Thatcher. 173,802.  
 Gaylord, James K., and Thatcher. 173,803.
- Gegoux, Roland E., to General Motors Corp. 175,464, Cl. D14—3.
- Gehrie, Charles S., to Presto Lock Co. 175,163, Cl. D10—9.
- Gehrie, Charles S., to Presto Lock Co. 176,011, Cl. D87—2.
- Gelardin, Albert. 173,842, Cl. D48—24.
- Geldhof, Peter E., to Whirlpool Corp. 174,256, Cl. D49—1.
- Gellman, Allen B. 174,806, Cl. D48—27.
- Gemex Co.: *See*—  
 Prestinari, Eugen F. 173,854.
- Genco, Inc.: *See*—  
 Heiss, Harvey. 174,322.
- Gendron Wheel Co.: *See*—  
 Bauer, Lester L. 175,384.  
 Bauer, Lester L. 176,401.
- General Controls Co.: *See*—  
 Grayson, Richard D., and Newton. 174,544.  
 Grayson, Richard D., and Newton. 174,545.  
 Ray, William A., and Biggle. 176,483.  
 Ray, William A., and Vaughn. 175,854.
- General Electric Co.: *See*—  
 Babel, Rudolph M. 174,244.  
 Babel, Rudolph M. 174,891.  
 Babel, Rudolph M. 175,242.  
 Babel, Rudolph M. 175,665.  
 Bentsen, Arthur R. 175,007.  
 Bruce, Leo I. 174,214.  
 Bruce, Leo I. 174,615.  
 Bruce, Leo I. 175,293.  
 Bruce, Leo I. 175,458.  
 Bruce, Leo I. 175,584.  
 Bruce, Leo I., and Huy. 174,895.  
 Bruce, Leo I., and Huy. 175,294.  
 Fletcher, Robert O. 174,170.  
 Fletcher, Robert O. 174,742.  
 Fletcher, Robert O. 174,986.  
 Fletcher, Robert O. 175,501.  
 Fletcher, Robert O. 176,407.  
 Gegoux, Roland E. 175,464.  
 Koepf, Rudolph H., and du Pont. 174,697.  
 Sandin, Ray C. 174,966.  
 Sandin, Ray C. 174,998.
- General Mills, Inc.: *See*—  
 Collura, Francesco. 176,063.  
 Schott, Howard H. 176,041.
- General Motors Corp.: *See*—  
 Buechler, Paul W. 175,532.  
 Earl, Harley J., and Nickles. 175,018.  
 Gillan, Paul W. 175,678.  
 Glowacke, Edward E. 175,343.  
 Hollis, David R. 176,259.  
 La Gassey, Homer C., Jr. 175,175.  
 Mackichan, Clare M. 176,421.  
 Renner, Carl H. 174,399.  
 Ross, Arthur. 175,191.  
 Ross, Arthur, and Scheelk. 176,286.  
 Schemansky, Joseph R. 176,288.  
 Schemansky, Joseph R. 176,380.  
 Schilling, Robert. 173,884.  
 Schucker, James L. 175,444.  
 Schucker, James L. 175,445.  
 Sipple, James H. 174,776.  
 Sipple, James H. 175,696.  
 Sipple, James H., and Nickles. 174,777.
- General Outdoor Advertising Co., Inc.: *See*—  
 Kralovec, Otto J., Jr. 175,026.
- General Patent Corp.: *See*—  
 Durant, Lyndon A. 175,398.
- General Slicing Machine Co., Inc.: *See*—  
 Green, Xan B. K., and Preble. 174,745.
- General Time Corp.: *See*—  
 Engel, Elwood P. 174,379.
- Genter, William J. 174,034, Cl. D56—4.
- Gentry, Herman G., to Atlanta Paper Co. 176,454, Cl. D58—26.
- Gentry, Hermond G., to Atlanta Paper Co. 176,454, Cl. D58—5.
- George, Thomas J.: *See*—  
 Lambach, Adolph D. 174,331.  
 Lambach, Adolph D. 174,332.  
 Lambach, Adolph D. 174,333.
- Gerard Industries: *See*—  
 Beroset, Gerard. 175,530.
- Gerson, Jules. 175,303, Cl. D45—17.
- Gerson, Samuel L. 175,720, Cl. D11—1.
- Gerson, Samuel L. 175,832, Cl. D58—9.
- Gerstein, Irving and S., to Lady Marlene Brassiere Corp. 175,164, Cl. D20—4.
- Gerstein, Sam: *See*—  
 Gerstein, Irving and S. 175,164.
- Gervais, Henry O. 175,020, Cl. D16—2.
- Gesswein, Henry. 176,182, Cl. D71—1.
- Getner, Edwin S.: *See*—  
 King, Henry T., and Getner. 174,907.  
 King, Henry T., and Getner. 175,553.  
 King, Henry T., and Getner. 175,554.
- Gettelman, Gilbert C., to Geuder, Paeschke & Frey Co. 175,939, Cl. D49—1.
- Geuder, Paeschke & Frey Co.: *See*—  
 Gettelman, Gilbert C. 175,939.



- Gibbons, Henry B., A. L. Jarrett, and F. Mann, to Chance Vought Aircraft, Inc. 175,342, Cl. D71—1.
- Gibraltar Mfg. Co., Inc.: *See—*  
 Eickemeyer, Ludwig. 174,538.  
 Eickemeyer, Ludwig. 174,539.  
 Eickemeyer, Ludwig. 174,984.  
 Eickemeyer, Ludwig. 176,314.
- Gibson, James E., Jr. 173,900, Cl. D80—5.
- Gibson, James E., Jr. 174,035, Cl. D34—5.
- Gibson Refrigerator Co.: *See—*  
 Janes, Richard B., and Sanders. 175,111.  
 Janes, Richard B., and Sanders. 175,112.
- Gier-Bath Gear and Pump Co., Inc.: *See—*  
 Renzo, Peter C. 173,856.
- Gilbert, William L., Clock Corp., The: *See—*  
 Fritz, Richard E. 174,805.
- Giles, John H.: *See—*  
 White, David I. III, and Giles. 174,303.
- Gillan, Paul W., to General Motors Corp. 175,678, Cl. D14—6.
- Gillis, George H. 174,987, Cl. D7—7.
- Gilson, Channing W., to Sawyer's Inc. 174,902, Cl. D61—1.
- Gilson, Channing W., to Sawyer's Inc. 175,215, Cl. D61—1.
- Gilson, Channing W., to Iron Fireman Mfg. Co. 175,679, Cl. D52—7.
- Gilson, Franklin E. 175,465, Cl. D42—10.
- Gilyard, David F., to The Ball & Socket Mfg. Co. 173,870, Cl. D29—1.
- Gindi, Isaac, and J. Ashkenazie. 174,497, Cl. D58—12.6.
- Gindi, Isaac, and J. Ashkenazie. 174,542, Cl. D58—12.6.
- Ginsberg, Benjamin. 176,409, Cl. D52—1.
- Giovagnoni, Violet. 174,687, Cl. D3—26.
- Glaberson, Martin, to Eversharp, Inc. 174,036, Cl. D22—3.
- Glaberson, Martin, to Eversharp, Inc. 174,037, Cl. D22—3.
- Glaberson, Martin, to Eversharp, Inc. 174,120, Cl. D22—3.
- Glaeser, Rolf. 176,012, Cl. D58—11.
- Glafke, Edward C., to Service Men's Trophies, Inc. 174,385, Cl. D29—28.
- Glaser, Otto J., to James Candy Co. 174,423, Cl. D34—11.
- Glasgow, Robert B. 175,680, Cl. D54—9.
- Glass, Henry P., to The Kenmar Mfg. Co. 174,688, Cl. D15—11.
- Glenn, John G., and J. B. Jones. 175,721, Cl. D54—16.
- Globe American Corp.: *See—*  
 Hagman, Walter F. 176,460.
- Globe Union Inc.: *See—*  
 Brown, Robert L. 176,105.  
 Klotz, Edward C., Jr. 175,420.
- Glowacke, Edward E., to General Motors Corp. 175,343, Cl. D14—6.
- Glynn, Theodore W., to Blue Ridge Glass Corp. 176,456, Cl. D81—26.
- Goddard, Ruth M., to Milton E. Brown & Co. 174,856, Cl. D57—1.
- Godden, Kenneth B. 175,543, Cl. D33—14.
- Goessling, Gerald A. 174,543, Cl. D87—3.
- Goettsche, Roy C.: *See—*  
 Poole, Myron C., and Goettsche. 174,922.
- Gold, Arnold J.: *See—*  
 Watkins, James G., and Gold. 174,403.
- Goldberg, David. 175,251, Cl. D4—3.
- Goldbert, Irving. 174,257, Cl. D80—8.
- Golden, Harry. 174,620, Cl. D90—14.
- Golden, Harry. 174,621, Cl. D90—14.
- Golden, Harry. 174,622, Cl. D90—14.
- Golden, Harry. 175,344, Cl. D90—14.
- Goldenthal, Allan B. 176,457, Cl. D86—10.
- Goldman, Robert, and R. R. Nemzer, to Bo-Low Lamp Corp. 173,804, Cl. D15—1.
- Goldman, Robert, and R. R. Nemzer. 174,121, Cl. D34—15.
- Goldman, Robert, and R. R. Nemzer. 176,183, Cl. D15—8.
- Goldsrosen, David, to Dapol Plastics, Inc. 174,857, Cl. D44—29.
- Goldsholl, Morton, to McGill Mfg. Co., Inc. 176,067, Cl. D48—4.
- Goldstein, Arthur. 174,038, Cl. D20—2.
- Goldstein, Bernard: *See—*  
 Goldstein, Milton and B. 175,252.
- Goldstein, Milton and B. 175,252, Cl. D80—9.
- Golling, Louis: *See—*  
 Orenstein, Aaron, and Golling. 174,345.
- Goodman, Abraham. 174,988, Cl. D92—1.
- Goodman, Alfred W. 174,689, Cl. D80—9.
- Goodnight, Austin G.,  $\frac{1}{2}$  to F. D. Cabe, and  $\frac{1}{2}$  to M. U. Boyer. 176,458, Cl. D26—1.
- Goodrich, B. F., Co., The: *See—*  
 Amspoker, Dwight E. 173,864.  
 Amspoker, Dwight E. 174,977.  
 Amspoker, Dwight E. 175,996.  
 Balzhiser, James K. 174,729.  
 Balzhiser, James K. 174,934.
- Goodrich, Frank A. 176,319, Cl. D52—2.
- Goodstein, David M. 175,594, Cl. D3—4.
- Goodwin, Ozro M. 174,498, Cl. D29—20.
- Gordon, Melvin J. 175,107, Cl. D80—9.
- Gorin, Charlotte P., to Foley Mfg. Co. 175,304, Cl. D44—29.
- Gossard, H. W., Co., The: *See—*  
 Peck, Mary F. 174,054.
- Gothic Altar Studio, Inc., The: *See—*  
 Clark, James. 175,335.
- Gottschalk, Robert E., and J. R. Moore, to Panavision, Inc. 175,401, Cl. D57—7.
- Gottschalk, Robert E., and J. R. Moore, to Panavision, Inc. 175,503, Cl. D57—1.
- Gould, Philip C. 174,039, Cl. D34—5.
- Gould, Sydney D. 174,952, Cl. D33—8.
- Grace, Michael P.: *See—*  
 Del Mas, Christy M. 174,023.  
 Del Mas, Christy M. 175,763.  
 Del Mas, Christy M. 176,109.
- Grafman, Jack, F. D. Hurd, and W. L. Schott, to Walter L. Schott Co. 174,174, Cl. D26—14.
- Graham, Elizabeth N. 174,424, Cl. D86—10.
- Graham, Elizabeth N. 175,722, Cl. D58—13.
- Graham, Phillip. 174,122, Cl. D13—1.
- Graham, Phillip. 174,175, Cl. D13—1.
- Graphicolor, Inc.: *See—*  
 Kritchever, Mathew F. 174,819.
- Gratz, Frank W., to Treitel-Gratz Co., Inc. 175,833, Cl. D15—1.
- Graubner, Herman G. 174,079, Cl. D48—24.
- Graubner, Herman G., to Union Carbide and Carbon Corp. 175,940, Cl. D48—24.
- Graves, Edward B., to Picker X-Ray Corp. Waite Mfg. Division, Inc. 176,113, Cl. D61—2.
- Gray, Ernest F. 174,425, Cl. D45—9.
- Gray Mfg. Co., The: *See—*  
 Aucoin, Leo J. 175,490.  
 Aucoin, Leo J. 175,664.
- Gray, Owen J., Jr. 173,901, Cl. D14—3.
- Gray, Owen J., Jr. 174,903, Cl. D14—3.
- Grayell, William G., to Chrysler Corp. 175,885, Cl. D14—30.
- Grayell, William G., to Chrysler Corp. 176,114, Cl. D14—30.
- Grayson, Richard D., and L. Newton, to General Controls Co. 174,544, Cl. D52—1.
- Grayson, Richard D., and L. Newton, to General Controls Co. 174,545, Cl. D52—1.
- Great Lakes Stamping & Mfg. Co.: *See—*  
 Pinkus, George E. 174,193.
- Grebar Toys Inc.: *See—*  
 Rabb, Irving L. 176,155.
- Greco, John, and L. Davis, to Jefferson Distributing Co., Inc. 174,858, Cl. D22—2.
- Green, Murray. 174,320, Cl. D57—1.
- Green, Xan B. K., and H. Preble, Jr., to General Slicing Machine Co., Inc. 174,745, Cl. D55—1.
- Greenblat, Morris,  $\frac{1}{2}$  to Burn-Strauss, Inc. 175,253, Cl. D81—10.
- Greenman, Harry D., and A. Mund. 174,546, Cl. D44—10.
- Greenwald, Milton W. 174,426, Cl. D3—25.
- Greer, Robert L. 175,165, Cl. D7—2.
- Gregory Industries, Inc.: *See—*  
 Shoup, Thomas E., Sholle and Mowry. 176,383.
- Gresch, Thomas J.: *See—*  
 Vesley, Donald V., Besal, and Gresch. 175,053.
- Griffin, Alvah M., to Reynolds Industries, Inc. 175,466, Cl. D3—19.
- Griffith, Clifford J., to Food Machinery and Chemical Corp. 174,123, Cl. D65—1.
- Griffith, Clifford J., to Food Machinery and Chemical Corp. 174,124, Cl. D65—1.
- Griffith, Elmer P. 175,070, Cl. D87—3.
- Griffith, Elmer P. 175,071, Cl. D87—3.
- Griffith, Howard J.: *See—*  
 Ammon, Edwin M., and Griffith. 175,291.
- Grigoleit Co., The: *See—*  
 Howie, Robert K. 174,180.  
 Howie, Robert K. 174,181.  
 Howie, Robert K. 174,222.  
 Howie, Robert K. 174,223.
- Grodtt, William F., to Arrowsmith Tool and Die Co. 174,176, Cl. D10—9.
- Grodtt, William F., to Arrowsmith Tool & Die Co. 174,177, Cl. D10—9.
- Grodtt, William F., and H. G. Murdock, to Arrowsmith Tool and Die Corp. 175,886, Cl. D10—8.
- Gross, Adolf: *See—*  
 Eckhardt, Robert, Henrici, and Gross. 174,536.
- Gross, Harry B., to J. Wolsky. 175,021, Cl. D48—20.
- Gross, Harry B., to Karbrite Mfg. Corp. 175,723, Cl. D48—20.
- Gross, Jerome A.: *See—*  
 Tedaldi, John L., and Gross. 174,201.
- Groves, Thomas J. 176,459, Cl. D33—19.
- Grunder, Harold R.: *See—*  
 Whitehead, William R., and Grunder. 175,922.
- Guardino, August. 176,254, Cl. D26—14.
- Guild, Lurette, to Aluminum Co. of America. 173,843, Cl. D44—15.
- Guild, Lurette, to Aluminum Co. of America. 175,072, Cl. D44—15.
- Guild, Lurette, to Revlon Products Corp. 176,320, Cl. D86—10.
- Guild, Lurette V. A., R. C. Lampe, and G. W. Norrick, to Electrolux Corp. 175,345, Cl. D9—2.
- Guild, Lurette, and H. P. Manville, to Revlon Products Corp. 176,321, Cl. D86—10.
- Guild, Lurette, and H. P. Manville, to Revlon Products Corp. 176,322, Cl. D86—10.
- Guild, Lurette, and H. P. Manville, to Revlon Products Corp. 176,323, Cl. D86—10.
- Guild, Lurette, and H. P. Manville, to Revlon Products Corp. 176,324, Cl. D86—10.
- Guild, Lurette, and H. P. Manville, to Revlon Products Corp. 176,325, Cl. D86—10.
- Guild, Lurette, and R. W. Wolff, to Revlon Products Corp. 176,326, Cl. D86—10.
- Guild, Lurette, and R. W. Wolff, to Revlon Products Corp. 176,327, Cl. D86—10.



- Gulliksen, Harold T., to The Kawneer Co. 174,547, Cl. D10—8.  
 Gulliksen, Harold T., to The Kawneer Co. 174,548, Cl. D10—8.  
 Gulliksen, Harold T., to The Kawneer Co. 174,549, Cl. D10—8.  
 Gunklach, William H., to The National Billiard Mfg. Co. 174,550, Cl. D34—3.  
 Gustafson, Dennis E. 174,953, Cl. D29—23.  
 Gustin, Max. 174,551, Cl. D7—7.  
 Guthait, Harry S.: *See*—  
   Martin, Thomas B. 175,518.  
 Guthmann, Eugene Y. 175,595, Cl. D4—3.  
 Guy, Joseph. 174,746, Cl. D7—5.  
 Gyrodyne Company of America, Inc.: *See*—  
   Papadakos, Peter J. 175,852.  
   Papadakos, Peter J. 176,377.  
 Haddad, Amram: *See*—  
   Farkas, Eugene, and Haddad. 174,027.  
 Hagen, Elsie J. 174,552, Cl. D58—26.  
 Hagendorf, Evelyn A. 174,807, Cl. D9—8.  
 Hagewood, Lorris V. 175,166, Cl. D87—3.  
 Hagman, Walter F., to Globe American Corp. 176,460, Cl. 416—2.  
 Hajjar, Albert. 174,499, Cl. D42—7.  
 Hake, George H., to George H. Hake Corp. 175,467, Cl. D13—1.  
 Hake, George H., Corp.: *See*—  
   Hake, George H. 175,467.  
 Hall, James W. 176,115, Cl. D34—15.  
 Hall, Joan: *See*—  
   Ross, Violet C., and Hall. 175,648.  
 Hall, Joannetta: *See*—  
   Ross, Violet C., and Hall. 175,648.  
 Hall, Walter F., Jr. 174,080, Cl. D42—7.  
 Hall, Walter F., Jr. 175,305, Cl. D42—7.  
 Haller, Martin N., to the United States of America as represented by the Secretary of the Army. 174,808, Cl. D5—2.  
 Haller, Martin N., to the United States of America as represented by the Secretary of the Army. 174,809, Cl. D5—2.  
 Haller, Martin N., to the United States of America as represented by the Secretary of the Army. 174,810, Cl. D5—2.  
 Haller, Martin N., to the United States of America as represented by the Secretary of the Army. 174,811, Cl. D5—2.  
 Haller, Martin N., to the United States of America as represented by the Secretary of the Army. 174,812, Cl. D5—2.  
 Hamel, Lewis E., to Lewis E. Hempel Co., Inc. 176,013, Cl. D54—2.  
 Hamilton Art Metal Corp.: *See*—  
   Wedemeyer, Eric. 175,285.  
   Wedemeyer, Eric. 175,286.  
   Wedemeyer, Eric. 175,287.  
 Hamilton, Bertis F. 173,902, Cl. D15—8.  
 Hammond, Charles T., to Redwing Ltd. 173,844, Cl. D50—5.  
 Hampshire, John C. 176,328, Cl. D44—1.  
 Hampshire, Paul K. 175,596, Cl. D15—1.  
 Hamre, Marion R., to Charles Bloom, Inc. 174,178, Cl. D92—1.  
 Hancock, John L., to Mastercrafters Clock & Radio Co. 176,184, Cl. D42—7.  
 Handler, Elliot. 173,982, Cl. D34—15.  
 Handler, Elliot. 176,255, Cl. D34—15.  
 Handley, Helen, to W. J. Fewkes. 175,402, Cl. D34—4.  
 Handling Devices Co., Inc.: *See*—  
   Moffat, Alexander W. 175,266.  
 Hanellin, Richard M., and B. H. Baldwin. 175,403, Cl. D48—20.  
 Hanks, Sidney F.: *See*—  
   Anderson, Melvin C., and Hanks. 175,488.  
 Hanksraft Co.: *See*—  
   Conlin, James and Schulz. 176,310.  
 Hannay, Clifford B., and Son, Inc.: *See*—  
   Hannay, George A. 176,116.  
 Hannay, George A., to C. B. Hannay and Son, Inc. 176,116, Cl. D41—1.  
 Hansen, Doris A. 175,254, Cl. D44—22.  
 Hansen, Louis E.: *See*—  
   Gangbin, Irol G. 174,686.  
 Hansen, Lucille E., and S. B. Hanssen, to Hanson Scale Co. 175,941, Cl. D52—10.  
 Hanson, Edward. 174,179, Cl. D9—2.  
 Hanson, Edward S., Jr., and R. K. Strasel, to Jacobsen Mfg. Co. 176,014, Cl. D40—1.  
 Hanson Scale Co.: *See*—  
   Hansen, Lucille E., and Hanssen. 175,941.  
 Hanson, Theodore L., to The Vendo Co. 176,117, Cl. D81—10.  
 Hanson, Theodore L., to The Vendo Co. 176,256, Cl. D52—3.  
 Hanssen, Stan B.: *See*—  
   Hansen, Lucille E., and Hanssen. 175,941.  
 Hardy, Henry G.: *See*—  
   Snook, Roger M. 174,064.  
 Hardy, William H. 174,427, Cl. D87—3.  
 Hardy, William H. 175,255, Cl. D87—3.  
 Hardy, William H. 175,256, Cl. D87—3.  
 Hardy, William H. 175,544, Cl. D87—3.  
 Hardy, William H. 176,410, Cl. D87—3.  
 Harley, Donald E.: *See*—  
   Woofter, Cecil B. 175,923.  
 Harper, Irving, to Chas. D. Briddell, Inc. 174,747, Cl. D22—3.  
 Harper, Irving, to Chas. D. Briddell, Inc. 174,748, Cl. D44—29.  
 Harris, Campbell D., to Radio Frequency Laboratories, Inc. 175,216, Cl. D83—1.  
 Harris, Edwin B. 173,944, Cl. D44—10.  
 Harris, George R., and D. E. Obbink. 174,749, Cl. D4—2.  
 Harris, William C. 175,942, Cl. D9—2.  
 Harris, William M., to James Lees and Sons Co. 174,500, Cl. D80—9.  
 Harris, William M., to James Lees and Sons Co. 174,553, Cl. D80—9.  
 Hart, George D., to Northwest Capital Corp. 175,681, Cl. D48—32.  
 Hartup, Frederick W., to Modern Village Stores, Inc. 174,258, Cl. D80—9.  
 Harvey, Charles V.: *See*—  
   Perrault, Art, and Harvey. 173,882.  
 Haseloff, Fritz. 174,904, Cl. D64—11.  
 Haseloff, Fritz, to Allgemeine Elektrizitäts-Gesellschaft. 176,329, Cl. D64—11.  
 Hatch, Arthur J., Jr., and J. W. Winzeler, to The Strong Electric Corp. 174,221, Cl. D48—16.  
 Hauser, Alfred K. 175,597, Cl. D35—3.  
 Hauser, Jon W., to Hawley Products Co. 175,767, Cl. D58—4.  
 Hauser, Jon W., to Hawley Products Co. 175,943, Cl. D58—4.  
 Hauser, Jon W., to Hawley Products Co. 175,944, Cl. D58—4.  
 Hauser, Jon W., to Sol Koffler. 175,945, Cl. D87—2.  
 Hauser, Jon W., to Hawley Products Co. 176,015, Cl. D58—4.  
 Hauser, Jon W., to Hawley Products Co. 176,118, Cl. D33—11.  
 Hauser, Jon W., to Hawley Products Co. 176,119, Cl. D33—14.  
 Hawkins, Havilah S. 176,016, Cl. D34—15.  
 Hawkinson, Earle W., to Paul E. Hawkinson Co. 174,386, Cl. D90—20.  
 Hawkinson, Paul E., Co.: *See*—  
   Hawkinson, Earle W. 174,386.  
   Hawkinson, Raymond P. 175,217.  
 Hawkinson, Raymond P., to Paul E. Hawkinson Co. 175,217, Cl. D90—20.  
 Hawley Products Co.: *See*—  
   Hauser, Jon W. 175,767.  
   Hauser, Jon W. 175,943.  
   Hauser, Jon W. 175,944.  
   Hauser, Jon W. 176,015.  
   Hauser, Jon W. 176,118.  
   Hauser, Jon W. 176,119.  
   Reinecke, Jean O. 174,594.  
 Haws Drinking Faucet Co.: *See*—  
   Traynor, John E. 174,722.  
 Hayashi, Tadao, to Nihon Mishin Seizo Kabushiki Kaisha. 176,330, Cl. D70—1.  
 Hayashi, Tadao, to Nihon Mishin Seizo Kabushiki Kaisha. 176,331, Cl. D70—1.  
 Hayden, Thomas L. 174,954, Cl. D34—15.  
 Hayes, Dewey O., and E. Robbins. 176,017, Cl. D72—1.  
 Hayes, Thomas P., to Boston Woven Hose and Rubber Co. 174,428, Cl. D92—4.  
 Hayes, Thomas P., to Boston Woven Hose and Rubber Co. 175,218, Cl. D92—4.  
 Haynes, William J., Sr., to Leavenworth Steel, Inc. 174,321, Cl. D14—3.  
 Haynes, William R. 175,545, Cl. D31—4.  
 Health-Mor, Inc.: *See*—  
   Martinez, Eugene F. 175,227.  
 Heath, Virgil A. 175,546, Cl. D1—12.  
 Heekin Can Co., The: *See*—  
   Sidenstick, Harry L. 173,861.  
 Heineke, Henry L. 174,690, Cl. D40—1.  
 Heineke, Henry L. 176,120, Cl. D40—1.  
 Heinemann, Edward H., and L. J. Devlin, to Douglas Aircraft Co., Inc. 175,108, Cl. D71—1.  
 Heiss, Harvey, to Genco, Inc. 174,322, Cl. D34—5.  
 Heitler, Emmett H., to Shwayder Bros., Inc. 175,768, Cl. D87—5.  
 Helland, Gilman A. 174,623, Cl. D15—1.  
 Heller, Isaac, to Remco Industries, Inc. 174,989, Cl. D26—14.  
 Heller, Isaac, to Remco Industries, Inc. 175,073, Cl. D26—14.  
 Heller, Isaac, to Robin Hood Co. 175,834, Cl. D26—14.  
 Helm Accessories, Inc.: *See*—  
   Helm, Frederick A. 176,332.  
 Helm, Frederick A., to Helm Accessories, Inc. 176,332, Cl. D14—6.  
 Hem, Halvor W., to Toledo Scale Co. 174,905, Cl. D52—10.  
 Hempel, Lewis E., Co., Inc.: *See*—  
   Hamel, Lewis E. 176,013.  
 Hennessy, Robert E., to National Distillers Products Corp. 175,306, Cl. D58—6.  
 Henrici, Paul: *See*—  
   Eckhardt, Robert, Henrici, and Gross. 174,536.  
 Henry, Fred W. 175,109, Cl. D86—10.  
 Hercules Steel Products Corp.: *See*—  
   Altemiller, Arthur D. 173,974.  
   Altemiller, Arthur D. 174,154.  
   Altemiller, Arthur D. 175,526.  
 Hermann, Joseph R., to Moore Business Forms, Inc. 176,121, Cl. D64—11.  
 Herrmann, Ernest, to Heywood-Wakefield Co. 176,333, Cl. D5—4.  
 Herrmann, Ernest, to Heywood-Wakefield Co. 176,411, Cl. D33—6.  
 Herrmann, Ernest, to Heywood-Wakefield Co. 176,412, Cl. D33—7.  
 Hertzler, Frederick W., to Argus Cameras, Inc. 174,429, Cl. D61—1.  
 Herzman, Stanley. 174,813, Cl. D3—12.  
 Herzman, Stanley. 174,814, Cl. D3—12.



- Hesse, Paul M. 175,682, Cl. D31—4.  
 Hettrick Mfg. Co., The: *See*—  
 Jones, James E. 175,077.  
 Jones, James E. 175,078.  
 Jones, James E. 175,772.  
 Jones, James E. 175,773.  
 Jones, James E. 175,774.  
 Smith, William I. 174,779.  
 Hexacon Electric Co.: *See*—  
 Johnson, Robert A. 176,191.  
 Heywood-Wakefield Co.: *See*—  
 Carr, William J. 174,017.  
 Carr, William J. 176,404.  
 Herrmann, Ernest. 176,333.  
 Herrmann, Ernest. 176,411.  
 Herrmann, Ernest. 176,412.  
 Hickok Mfg. Co. Inc.: *See*—  
 Balcer, Edward H. 176,055.  
 Balcer, Edward H. 176,056.  
 Balcer, Edward H. 176,242.  
 Brady, Francis A. 176,245.  
 Prip, John A. 176,079.  
 Hill, Donald W. 175,835, Cl. D44—1.  
 Hill, Frederick M.: *See*—  
 Trout, Harry R., and Hill. 175,327.  
 Trout, Harry R., and Hill. 175,656.  
 Trout, Harry R., and Hill. 175,868.  
 Trout, Harry R., and Hill. 175,869.  
 Hill, Joseph A., to John Oster Mfg. Co. 176,257, Cl. D89—1.  
 Hill, Joseph A., and J. M. Katzfey, to John Oster Mfg. Co. 176,258, Cl. D89—1.  
 Hill-Shaw Co.: *See*—  
 Mango, Joseph R. 175,086.  
 Hildale, John, to Wyrefab Inc. 176,185, Cl. D33—14.  
 Hills Bros. Coffee, Inc.: *See*—  
 Wilson, T. Carroll. 174,365.  
 Hills, David G., to Plax Corp. 175,598, Cl. D58—8.  
 Hills, Elmer G.: *See*—  
 Leonard, Ralph N., and Hills. 175,423.  
 Hines, Millard J. 175,504, Cl. D29—2.  
 Hirsch, Benjamin L.: *See*—  
 Hirsch, Henry and B. L. 176,186.  
 Hirsch, Edward D. 175,836, Cl. D33—7.  
 Hirsch, Henry and B. L., to Kellogg Co. 176,186, Cl. D34—4.  
 Hobart Mfg. Co., The: *See*—  
 Allen, Kenneth C., and Meeker. 174,846.  
 Hockensmith, Wilbur D., Jr. 176,122, Cl. D14—3.  
 Hockery, John C.: *See*—  
 Talge, Henry J. 173,862.  
 Hodgman, Clare E., to Coca-Cola Co. 175,887, Cl. D52—3.  
 Hodgman, Clare E., to The Coca-Cola Co. 176,187, Cl. D52—3.  
 Hofer, Laurence F. 176,018, Cl. D54—13.  
 Hoffhines, James R., and C. C. Thomas, to Plasti-Print, Inc. 175,307, Cl. D58—12.  
 Hoffman Radio Corp.: *See*—  
 Portanova, Joseph D. 173,998.  
 Portanova, Joseph D. 174,056.  
 Portanova, Joseph D., and Stevens. 174,997.  
 Portanova, Joseph D., and Stevens. 175,129.  
 Holan Engineering Co., Inc.: *See*—  
 Poole, Myron C., and Goettsche. 174,922.  
 Holan, J. H., Corp.: *See*—  
 Troche, Herman J., and Licursi. 175,097.  
 Holbert, Sherman A.: *See*—  
 Cargill, Sylvester H., Thiele, and Holbert. 173,933.  
 Holcomb, J. L., Manufacturing Co., Inc.: *See*—  
 Bennett, Earnest L. 176,304.  
 Hollowell, John V., to Drexel Furniture Co. 176,019, Cl. D10—8.  
 Holls, David R., to General Motors Corp. 176,259, Cl. D14—6.  
 Holman, John W. 173,903, Cl. D80—11.  
 Holman, John W. 176,188, Cl. D52—1.  
 Holmes, David L. 175,468, Cl. D34—5.  
 Holmes, Houston E. 174,259, Cl. D31—4.  
 Holmes, John Curtis. 176,334, Cl. D14—3.  
 Holophane Co., Inc.: *See*—  
 Franck, Kurt, and McPhail. 174,804.  
 Schreckengost, Viktor. 174,837.  
 Holt, William E., Jr., to E. W. Twitchell, Inc. 174,081, Cl. D92—1.  
 Holt, William E., Jr., to E. W. Twitchell, Inc. 175,219, Cl. D92—1.  
 Holt, William E., Jr., to E. W. Twitchell, Inc. 175,220, Cl. D92—1.  
 Holt, William E., Jr., to E. W. Twitchell, Inc. 175,221, Cl. D92—1.  
 Holt, William E., Jr., to E. W. Twitchell, Inc. 175,222, Cl. D92—1.  
 Holt, William E., Jr., to E. W. Twitchell, Inc. 175,223, Cl. D92—1.  
 Holtzclaw, Richard T., 50% to F. A. Rogers. 175,074, Cl. D44—29.  
 Honeywell, Annette, to The Duncan & Miller Glass Co. 173,871, Cl. D44—15.  
 Honeywell, Annette, to The Duncan & Miller Glass Co. 173,872, Cl. D44—15.  
 Hood-Gardner Hotel Supply Corp.: *See*—  
 Hunt, William G. 175,888.  
 Hoover Co., The: *See*—  
 Dreyfuss, Henry. 175,210.  
 Hope, David G., E. A. Filipowicz, W. G. Renard, and R. B. Wiggins, to Fort Howard Paper Co. 175,599, Cl. D4—3.  
 Hopkins, Cecil L. 175,257, Cl. D58—26.  
 Hopson, Howel H., 1/2 to A. Landes. 173,945, Cl. D85—7.  
 Horecny, Marilyn I. 174,554, Cl. D92—1.  
 Hormel, Geo. A., & Co.: *See*—  
 Morris, Carson J. 175,436.  
 Horn, William S., Jr. 174,990, Cl. D85—2.  
 Horney, Ray A. 174,624, Cl. D92—26.  
 Hornung, Michael and V. W. Claussen, to EZ Fold, Inc. 176,335, Cl. D34—5.  
 Horowitz, Isadore. 174,430, Cl. D34—5.  
 Hot Shot Products Co.: *See*—  
 Darr, Harold W. 174,158.  
 Hough Shade Corp., The: *See*—  
 Reese, Charles W. D. Re. 23,944.  
 Houlihan, Daniel F. 174,226, Cl. D29—23.  
 House of Rousseau, Ltd.: *See*—  
 Ross, Aaron L. 174,137.  
 Houston Fearless Corp., The: *See*—  
 Dalton, Bruce H., and Lewis. 175,298.  
 Hoven, Alfred C., and W. E. Nordmark, to American Seating Co. 175,683, Cl. D15—1.  
 Howard, Elmer. 175,110, Cl. D33—14.  
 Howard Industries Inc.: *See*—  
 Webster, Angus A. 175,871.  
 Howie, Robert K., to The Grigoleit Co. 174,180, Cl. D81—10.  
 Howie, Robert K., to The Grigoleit Co. 174,181, Cl. D81—10.  
 Howie, Robert K., to The Grigoleit Co. 174,222, Cl. D81—10.  
 Howie, Robert K., to The Grigoleit Co. 174,223, Cl. D81—10.  
 Hubbard, Leighton D., to Nicosia-Hubbard Corp. 175,167, Cl. D44—15.  
 Huber, Gustave A. 175,600, Cl. D86—10.  
 Huber, Gustave A. 175,769, Cl. D86—10.  
 Huber, Paul P.: *See*—  
 Williams, Alexander T., and Huber. 174,973.  
 Huck, Alfred J., to Knapp-Monarch Co. 175,601, Cl. D89—1.  
 Hueber, Carl J., and A. W. Oatess, to Addressograph-Multi-graph Corp. 175,168, Cl. D64—11.  
 Huff, William H., to Barnes Mfg. Co., Inc. 174,955, Cl. D40—1.  
 Huff, William H., to Barnes Mfg. Co., Inc. 174,956, Cl. D40—1.  
 Huffman Mfg. Co., The: *See*—  
 Abel, Frederick. 173,777.  
 Locke, Loyal V., and Viemeister. 175,084.  
 Hughes Aircraft Co.: *See*—  
 Zornow, Richard H. 174,405.  
 Hughes, John, Jr.: *See*—  
 Anderson, Jac B., and Hughes. 176,093.  
 Hughes, John, Jr., to Enger-Kress Co. 174,125, Cl. D92—26.  
 Hughes, John, Jr., to Air Reduction Co., Inc. 176,260, Cl. D83—1.  
 Hughes, Wilbur B. 176,261, Cl. D65—1.  
 Hull, Catherine W., to The Richards Co. 174,323, Cl. D92—1.  
 Hunholz, John F. 174,324, Cl. D52—3.  
 Hunt, Allan F. 174,555, Cl. D54—13.  
 Hunt, William G. 174,957, Cl. D14—3.  
 Hunt, William G., to Hood-Gardner Hotel Supply Corp. 175,888, Cl. D14—3.  
 Hunter, James E., Jr.: *See*—  
 Teague, Walter D., Bing, Ensign, Fairbank, and Hunter. 175,571.  
 Hurd, Franklin D.: *See*—  
 Grafman, Jack, Hurd, and Schott. 174,174.  
 Hurley, Charles W., to the United States of America as represented by the Secretary of the Army. 175,946, Cl. D58—26.  
 Hurley, Charles W., to the United States of America as represented by the Secretary of the Army. 176,189, Cl. D58—26.  
 Hurst, Floyd J. 175,075, Cl. D87—3.  
 Hurwitz, Bernard. 174,082, Cl. D3—26.  
 Husted, Rex B.: *See*—  
 Malone, Harold L., and Husted. 175,226.  
 Hutar, Laddie F. 174,750, Cl. D54—2.  
 Hutar, Laddie F. 174,751, Cl. D54—2.  
 Huy, Philip F.: *See*—  
 Bruce, Leo I., and Huy. 174,895.  
 Bruce, Leo I., and Huy. 175,294.  
 Hyatt, Abraham: *See*—  
 Driggs, Ivan H., Hyatt, and Ellis. 175,397.  
 Hycon Mfg. Co.: *See*—  
 Ripley, Charles C. 174,773.  
 Hyman, Nathaniel. 174,040, Cl. D44—5.  
 I. D. E. A., Inc.: *See*—  
 Petertil, Victor A. 176,480.  
 Petertil, Victor A. 176,481.  
 Idank, Joseph A.: *See*—  
 Parker, J. Royal, and Idank. 174,346.  
 Parker, J. Royal, and Idank. 174,347.  
 Ideal Toy Corp.: *See*—  
 Noble, Sid. 174,588.  
 Immerman, Arthur. 174,752, Cl. D3—26.  
 Imperial Brass Mfg. Co., The: *See*—  
 Dawson, Robert H. 175,538.  
 Engels, Charles O., and Todd. 174,380.  
 Imperial Knife Co., Inc.: *See*—  
 Talmon, Emile H., and Share. 175,197.  
 Imundo, Alfred L. 174,815, Cl. D29—2.  
 Independent Lock Co.: *See*—  
 Arbib, Richard H., and Quandt. 175,143.  
 Inoue, Takeshi. 176,262, Cl. D44—15.  
 Inoue, Takeshi, to Noritake Co., Inc. 176,123, Cl. D44—15.  
 Inoue, Takeshi, to Noritake Co., Inc. 176,124, Cl. D44—15.  
 Inoue, Takeshi, to Noritake Co., Inc. 176,125, Cl. D44—15.  
 Inoue, Takeshi, to Noritake Co., Inc. 176,126, Cl. D44—15.  
 Inoue, Takeshi, to Noritake Co., Inc. 176,127, Cl. D44—15.  
 Inoue, Takeshi, to Noritake Co., Inc. 176,128, Cl. D44—15.



- Inoue, Takeshi, to Noritake Co., Inc. 176,129, Cl. D44—15.  
 Inoue, Takeshi, to Noritake Co., Inc. 176,130, Cl. D44—15.  
 Inoue, Takeshi, to Noritake Co., Inc. 176,131, Cl. D44—15.  
 Inoue, Takeshi, to Noritake Co., Inc. 176,132, Cl. D44—15.  
 Inoue, Takeshi, to Noritake Co., Inc. 176,133, Cl. D44—15.  
 Inoue, Takeshi, to Noritake Co., Inc. 176,134, Cl. D44—15.  
 Inoue, Takeshi, to Noritake Co., Inc. 176,135, Cl. D44—15.  
 Inoue, Takeshi, to Noritake Co., Inc. 176,136, Cl. D44—15.
- International Business Machines Corp.: *See—*  
 Kress, George H., and Davis. 175,173.  
 Kress, George H., and Davis. 175,174.  
 Kress, George H., and Davis. 175,732.  
 Kress, George H., and Davis. 176,026.  
 Kress, George H., and Davis. 176,027.  
 Kress, George H., and Jaworski. 174,842.  
 Kress, George H., Jaworski, and La Due. 175,782.  
 Kress, George H., and Stringer. 175,310.  
 Kress, George H., and Sundberg. 174,043.  
 Kress, George H., and Sundberg. 174,044.
- International Cellucotton Products Co.: *See—*  
 Casey, Charles L., and Doell. 174,945.
- International Latex Corp.: *See—*  
 Elliott, Mervin A. 174,899.  
 Kreiger, Larry L. 175,843.  
 Turner, Phyllis A. 176,391.
- International Silver Co., The: *See—*  
 Conroy, Edward J. 175,712.  
 Doerfler, Robert L. 175,824.
- Interstate Precision Products Corp.: *See—*  
 Ryden, Harold S. 175,857.
- Iron Fireman Mfg. Co.: *See—*  
 Gilson, Channing W. 175,679.
- Irwin, Neel S. 174,083, Cl. D80—9.
- Irwin, Raymond: *See—*  
 Chepp, Milton J., Irwin, and Auler. 174,528.
- Ising, Charles O. 176,020, Cl. D42—7.
- Issenberg, Daniel, J., and M. 174,906, Cl. D34—11.
- Issenberg, Joseph: *See—*  
 Issenberg, Daniel, J., and M. 174,906.
- Issenberg, Milton: *See—*  
 Issenberg, Daniel, J., and M. 174,906.
- Ito, Tadashi. 176,263, Cl. D90—8.
- Ives, Glade, and B. H. McLennan: said Ives assor. to Starbright Corp. 175,469, Cl. D57—1.
- Ives, H. B., Co., The: *See—*  
 Benson, Fritz C. 173,781.
- Ives, Thomas H., to Donald F. Duncan, Inc. 175,022, Cl. D34—15.
- Jackson, Andrew C., to The John Foote Shoe Co. 174,501, Cl. D7—7.
- Jackson, Andrew E. 176,461, Cl. D34—15.
- Jackson, George M. 175,258, Cl. D48—24.
- Jacobel, Herbert: *See—*  
 Kaye, Gordon E., and Jacobel. 175,418.
- Jacobsen Mfg. Co.: *See—*  
 Hanson, Edward S., Jr., and Strasel. 176,014.
- Jacobson, Dorothy. 175,169, Cl. D80—8.
- Jacoby-Bender, Inc.: *See—*  
 Rodriguez, Emil. 175,692.  
 Rodriguez, Emil. 175,693.
- Jacuzzi, Candido, and F. M. Nash. 176,190, Cl. D83—1.
- James Candy Co.: *See—*  
 Glaser, Otto J. 174,423.
- Janes, Richard B., and C. W. Sanders, to Gibson Refrigerator Co. 175,111, Cl. D81—25.
- Janes, Richard B., and C. W. Sanders, to Gibson Refrigerator Co. 175,112, Cl. D81—25.
- Janssen, George J. 173,983, Cl. D81—10.
- Janssen, Webster E. 175,076, Cl. D56—9.
- Jarrett, Alfred L.: *See—*  
 Gibbons, Henry B., Jarrett, and Mann. 175,342.
- Jaworski, Charles J.: *See—*  
 Kress, George H., and Jaworski. 174,842.  
 Kress, George H., Jaworski, and La Due. 175,782.
- Jeckell, Walter E. 175,837, Cl. D14—6.
- Jefferson Distributing Co., Inc.: *See—*  
 Greco, John, and Davis. 174,858.
- Jenkins, Francis R., Jr. 174,753, Cl. D80—10.
- Jenkins, G. C., Co.: *See—*  
 Jenkins, Grover C. 175,224.
- Jenkins, Grover C., to G. C. Jenkins Co. 175,224, Cl. D56—1.
- Jenks, Albert L., to Florence Stove Co. 176,137, Cl. D81—10.
- Jensen, Roy A.: *See—*  
 Wahaski, Ziggy. 175,920.  
 Wahaski, Ziggy. 175,921.
- Jepson, Ivar: *See—*  
 Ernest, Robert O., and Jepson. 176,406.
- Jepson, Ivar, to Sunbeam Corp. 176,336, Cl. D40—1.
- Jepson, Ivar, and R. O. Ernest, to Sunbeam Corp. 174,431, Cl. D81—10.
- Jepson, Ivar, and R. O. Ernest, to Sunbeam Corp. 175,602, Cl. D22—3.
- Jerabek, Charles A.: *See—*  
 Ensign, Robert H., and Jerabek. 174,219.  
 Teague, Walter D., and Jerabek. 174,477.
- Jerabek, Charles A., and R. L. Monahan, to The Phoenix Glass Co. 174,325, Cl. D48—16.
- Johnson, Clyde C. 175,770, Cl. D54—13.
- Johnson, Clyde C. 175,771, Cl. D54—13.
- Johnson and Co., Inc.: *See—*  
 Johnson, Herman L., Jr. 174,432.
- Johnson, Eleanor W. 175,170, Cl. D74—1.
- Johnson, Elizabeth G. 176,068, Cl. D34—22.
- Johnson, George W., to Pabco Products Inc. 175,308, Cl. D92—17.
- Johnson, Gordon L., to Daystrom Inc. 174,387, Cl. D33—14.
- Johnson, Herman L., Jr., to Johnson and Co., Inc. 174,432, Cl. D58—26.
- Johnson, Hugh B.: *See—*  
 Weller, Warren C., and Johnson. 174,150.
- Johnson & Johnson: *See—*  
 Zackheim, Eli A., and Meares. 176,090.
- Johnson, Robert A., to Hexacon Electric Co. 176,191, Cl. D26—1.
- Johnson, Warren A., and U. B. Peterson. 174,041, Cl. D13—1.
- Johnson, Warren A., and U. B. Peterson. 175,259, Cl. D86—10.
- Johnston & Murphy: *See—*  
 Bolding, William E. 176,059.  
 Bolding, William E. 176,060.  
 Evins, David. 173,980.  
 Evins, David. 176,066.  
 Evins, David. 176,315.
- Jones, Charles E., and R. H. Crowle, to American Photocopy Equipment Co. 176,138, Cl. D61—5.
- Jones, Charles E., and W. G. Crowle, to Auto Lamp Mfg. Co. 176,413, Cl. D48—20.
- Jones, Daniel C., to Kwik-Mix Co. 176,139, Cl. D14—3.
- Jones, Frank B., to Dunlop Tire and Rubber Corp. 175,889, Cl. D90—20.
- Jones, Henry S.: *See—*  
 Spilman, Raymond, and Jones. 174,065.
- Jones, Jack B.: *See—*  
 Glenn, John G., and Jones. 175,721.
- Jones, James E., to The Hettrick Mfg. Co. 175,077, Cl. D5—4.
- Jones, James E., to The Hettrick Mfg. Co. 175,078, Cl. D5—4.
- Jones, James E., to The Hettrick Mfg. Co. 175,772, Cl. D21—6.
- Jones, James E., to The Hettrick Mfg. Co. 175,773, Cl. D21—6.
- Jones, James E., to The Hettrick Mfg. Co. 175,774, Cl. D21—6.
- Jones, Whitney W. 174,625, Cl. D52—3.
- Jones, Lawrence. 174,326, Cl. D34—5.
- Jones, Lawrence. 174,327, Cl. D34—5.
- Jones, Lawrence. 175,260, Cl. D34—5.
- Jordan Refrigerator Co.: *See—*  
 Licinit, John, and D'Alessandro. 175,264.
- Jordon, Otellia E.: *See—*  
 Jordon, Skiro. 176,337.
- Jordon, Robert L.: *See—*  
 Jordon, Skiro. 176,337.
- Jordon, Skiro, 5% to T. Jordon, 5% to R. L. Jordon and 5% to O. E. Jordon. 176,337, Cl. D56—4.
- Jordon, Thelma: *See—*  
 Jordon, Skiro. 176,337.
- Joseph, Anthony B. and S. M. 176,414, Cl. D62—2.
- Joseph, Stanley M.: *See—*  
 Joseph, Anthony B. and S. M. 176,414.
- Josephson, Gilbert. 173,946, Cl. D48—2.
- Josephson, Ruth G. 175,547, Cl. D81—10.
- Jossem, Lyons I. 176,140, Cl. D80—11.
- Joy Mfg. Co.: *See—*  
 Driemeyer, William G., and Thym. 175,497.
- Joy, Oliver T., and P. J. Koopman; said Koopman assor. to said Joy. 176,264, Cl. D26—13.
- Joyce, Faie, to Joyce, Inc. 176,338, Cl. D7—7.
- Joyce, Faie, to Joyce, Inc. 176,339, Cl. D7—7.
- Joyce, Inc.: *See—*  
 Joyce, Faie. 176,338.  
 Joyce, Faie. 176,339.
- Julian and Kokenge Co., The: *See—*  
 Stock, Otto F., and Mayers. 174,663.
- Junkins, Floyd A. 174,227, Cl. D74—5.
- Justrite Mfg. Co.: *See—*  
 Mell, Alfred L., and Packer. 174,287.  
 Mell, Alfred L., and Packer. 174,288.  
 Mell, Alfred L., and Packer. 174,289.
- Justus, Charles S. 174,228, Cl. D73—1.
- Kaestle, Anton H. 176,415, Cl. D34—14.
- Kahn, Oscar B. 175,470, Cl. D33—19.
- Kalart Co., Inc., The: *See—*  
 Castedello, William, and Kaprelian. 174,248.
- Kallenberg, Emma. 174,182, Cl. D44—10.
- Kallmeyer, Thomas E. 174,754, Cl. D74—9.
- Kalt, Breeding & Hadden, Inc.: *See—*  
 Kalt, Henry W. 175,346.
- Kalt, Henry W., to Kalt, Breeding & Hadden, Inc. 175,346, Cl. D90—8.
- Kambestad-Ewing, Inc.: *See—*  
 Ewing, Marion L., and Kambestad. 174,418.  
 Ewing, Marion L., and Kambestad. 175,105.
- Kambestad, Orison P.: *See—*  
 Ewing, Marion L., and Kambestad. 174,418.  
 Ewing, Marion L., and Kambestad. 175,105.
- Kamp, Bruce, to Monitor Process Corp. 175,347, Cl. D2—3.
- Kamp, Bruce, to The Astatic Corp. 175,947, Cl. D26—14.
- Kamp, Bruce, to The Astatic Corp. 175,948, Cl. D26—14.
- Kamp, Bruce, to The Astatic Corp. 175,949, Cl. D26—14.
- Kamp, Bruce, to The Astatic Corp. 175,950, Cl. D26—14.
- Kamp, Bruce, to The Astatic Corp. 175,951, Cl. D26—14.
- Kamp, Bruce, to The Astatic Corp. 176,069, Cl. D26—14.
- Kamp, Bruce, to The Astatic Corp. 176,192, Cl. D26—14.
- Kamp, Kenneth L. 174,958, Cl. D14—3.



Kane, Alan H., to Connelly Containers, Inc.	175,548, Cl.	Katz, Adolph, to Coro, Inc.	174,564, Cl. D45-16.
D9-2.		Katz, Adolph, to Coro, Inc.	174,565, Cl. D45-19.
Kaplan, Louis, to Licht and Kaplan, Inc.	174,859, Cl.	Katz, Adolph, to Coro, Inc.	174,566, Cl. D45-19.
D87-3.		Katz, Adolph, to Coro, Inc.	174,567, Cl. D45-4.
Kaprelian, Edward K.: See—		Katz, Adolph, to Coro, Inc.	174,568, Cl. D45-16.
Castedello, William, and Kaprelian.	174,110.	Katz, Adolph, to Coro, Inc.	174,569, Cl. D45-9.
Castedello, William, and Kaprelian.	174,248.	Katz, Adolph, to Coro, Inc.	174,570, Cl. D45-19.
Kapstein, Simon.	174,691, Cl. D29-1.	Katz, Adolph, to Coro, Inc.	174,571, Cl. D45-9.
Karbrite Mfg. Corp.: See—		Katz, Adolph, to Coro, Inc.	174,572, Cl. D45-4.
Gross, Harry B.	175,723.	Katz, Adolph, to Coro, Inc.	174,573, Cl. D45-16.
Karoff Originals, Ltd.: See—		Katz, Adolph, to Coro, Inc.	174,574, Cl. D45-19.
Karoff, Robert B.	176,340.	Katz, Adolph, to Coro, Inc.	174,575, Cl. D45-4.
Karoff, Robert B., to Karoff Originals, Ltd.	176,340, Cl.	Katz, Adolph, to Coro, Inc.	174,576, Cl. D45-19.
D9-2.		Katz, Adolph, to Coro, Inc.	174,577, Cl. D45-16.
Karns, James A., to Fawick Flexi-Grip Co.	174,183, Cl.	Katz, Adolph, to Coro, Inc.	174,578, Cl. D45-4.
D34-5.		Katz, Adolph, to Coro, Inc.	174,579, Cl. D45-16.
Karp, Martin E., to The Roberk Co.	174,433, Cl. D14-6.	Katz, Adolph, to Coro, Inc.	174,626, Cl. D45-19.
Karstadt, Clarence, to Birtman Electric Co.	175,506, Cl.	Katz, Adolph, to Coro, Inc.	174,627, Cl. D45-19.
D70-1.		Katz, Adolph, to Coro, Inc.	174,628, Cl. D45-9.
Katt, William J.	176,141, Cl. D62-4.	Katz, Adolph, to Coro, Inc.	174,629, Cl. D45-4.
Katz, Adolph, to Coro, Inc.	173,947, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,630, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	173,948, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,631, Cl. D45-4.
Katz, Adolph, to Coro, Inc.	173,949, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,632, Cl. D45-16.
Katz, Adolph, to Coro, Inc.	173,950, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,633, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	173,951, Cl. D45-4.	Katz, Adolph, to Coro, Inc.	174,634, Cl. D45-9.
Katz, Adolph, to Coro, Inc.	173,952, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,635, Cl. D45-9.
Katz, Adolph, to Coro, Inc.	173,953, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,636, Cl. D45-4.
Katz, Adolph, to Coro, Inc.	173,954, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,637, Cl. D45-16.
Katz, Adolph, to Coro, Inc.	173,955, Cl. D45-4.	Katz, Adolph, to Coro, Inc.	174,638, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	173,984, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,639, Cl. D45-9.
Katz, Adolph, to Coro, Inc.	173,985, Cl. D45-9.	Katz, Adolph, to Eastern Jewelry Mfg. Co. Inc.	174,692, Cl. D45-4.
Katz, Adolph, to Coro, Inc.	173,986, Cl. D45-9.	Katz, Adolph, to Eastern Jewelry Mfg. Co. Inc.	174,693, Cl. D45-16.
Katz, Adolph, to Coro, Inc.	173,987, Cl. D45-9.	Katz, Adolph, to Eastern Jewelry Mfg. Co. Inc.	174,694, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	173,988, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,755, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	173,989, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,756, Cl. D45-9.
Katz, Adolph, to Coro, Inc.	173,990, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,757, Cl. D45-9.
Katz, Adolph, to Coro, Inc.	173,991, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,758, Cl. D45-9.
Katz, Adolph, to Coro, Inc.	173,992, Cl. D45-16.	Katz, Adolph, to Eastern Jewelry Mfg. Co. Inc.	174,759, Cl. D45-9.
Katz, Adolph, to Coro, Inc.	173,993, Cl. D45-9.	Katz, Adolph, to Eastern Jewelry Mfg. Co. Inc.	174,760, Cl. D45-9.
Katz, Adolph, to Coro, Inc.	174,084, Cl. D45-19.	Katz, Adolph, to Coro, Inc.	174,761, Cl. D45-9.
Katz, Adolph, to Coro, Inc.	174,085, Cl. D45-19.	Katz, Adolph, to Coro, Inc.	174,762, Cl. D45-16.
Katz, Adolph, to Coro, Inc.	174,086, Cl. D45-19.	Katz, Adolph, to Coro, Inc.	174,763, Cl. D45-9.
Katz, Adolph, to Coro, Inc.	174,087, Cl. D45-19.	Katz, Adolph, to Coro, Inc.	174,764, Cl. D45-16.
Katz, Adolph, to Coro, Inc.	174,088, Cl. D45-19.	Katz, Adolph, to Coro, Inc.	174,765, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	174,126, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,766, Cl. D45-9.
Katz, Adolph, to Coro, Inc.	174,229, Cl. D45-4.	Katz, Adolph, to Coro, Inc.	174,767, Cl. D45-4.
Katz, Adolph, to Coro, Inc.	174,260, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,768, Cl. D45-9.
Katz, Adolph, to Coro, Inc.	174,261, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,769, Cl. D45-16.
Katz, Adolph, to Coro, Inc.	174,262, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,770, Cl. D45-9.
Katz, Adolph, to Coro, Inc.	174,263, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,816, Cl. D45-4.
Katz, Adolph, to Coro, Inc.	174,264, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,860, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	174,265, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,861, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	174,266, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,862, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	174,267, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,863, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	174,268, Cl. D45-19.	Katz, Adolph, to Coro, Inc.	174,864, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	174,269, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,865, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	174,270, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,866, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	174,271, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,867, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	174,272, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,868, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	174,273, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,869, Cl. D45-4.
Katz, Adolph, to Coro, Inc.	174,274, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,870, Cl. D45-4.
Katz, Adolph, to Coro, Inc.	174,275, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,871, Cl. D45-4.
Katz, Adolph, to Coro, Inc.	174,276, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,872, Cl. D45-4.
Katz, Adolph, to Coro, Inc.	174,277, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	174,873, Cl. D45-4.
Katz, Adolph, to Coro, Inc.	174,278, Cl. D45-4.	Katz, Adolph, to Coro, Inc.	174,874, Cl. D45-4.
Katz, Adolph, to Coro, Inc.	174,279, Cl. D45-19.	Katz, Adolph, to Coro, Inc.	174,875, Cl. D45-4.
Katz, Adolph, to Coro, Inc.	174,280, Cl. D45-4.	Katz, Adolph, to Coro, Inc.	174,876, Cl. D45-4.
Katz, Adolph, to Coro, Inc.	174,281, Cl. D45-4.	Katz, Adolph, to Coro, Inc.	174,877, Cl. D45-4.
Katz, Adolph, to Coro, Inc.	174,282, Cl. D45-4.	Katz, Adolph, to Coro, Inc.	174,878, Cl. D45-4.
Katz, Adolph, to Coro, Inc.	174,283, Cl. D45-4.	Katz, Adolph, to Coro, Inc.	174,991, Cl. D45-9.
Katz, Adolph, to Coro, Inc.	174,284, Cl. D45-4.	Katz, Adolph, to Coro, Inc.	175,079, Cl. D45-4.
Katz, Adolph, to Coro, Inc.	174,285, Cl. D45-4.	Katz, Adolph, to Coro, Inc.	175,080, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	174,286, Cl. D45-19.	Katz, Adolph, to Coro, Inc.	175,081, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	174,328, Cl. D45-4.	Katz, Adolph, to Coro, Inc.	175,082, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	174,388, Cl. D45-17.	Katz, Adolph, to Coro, Inc.	175,113, Cl. D45-16.
Katz, Adolph, to Coro, Inc.	174,434, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	175,114, Cl. D45-16.
Katz, Adolph, to Coro, Inc.	174,435, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	175,115, Cl. D45-16.
Katz, Adolph, to Coro, Inc.	174,436, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	175,116, Cl. D45-16.
Katz, Adolph, to Coro, Inc.	174,437, Cl. D45-4.	Katz, Adolph, to Coro, Inc.	175,117, Cl. D45-16.
Katz, Adolph, to Coro, Inc.	174,438, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	175,118, Cl. D45-16.
Katz, Adolph, to Coro, Inc.	174,439, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	175,119, Cl. D45-4.
Katz, Adolph, to Coro, Inc.	174,440, Cl. D45-4.	Katz, Adolph, to Coro, Inc.	175,120, Cl. D45-16.
Katz, Adolph, to Coro, Inc.	174,441, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	175,121, Cl. D45-16.
Katz, Adolph, to Coro, Inc.	174,442, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	175,404, Cl. D45-16.
Katz, Adolph, to Coro, Inc.	174,443, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	175,405, Cl. D45-16.
Katz, Adolph, to Coro, Inc.	174,444, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	175,406, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	174,445, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	175,407, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	174,446, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	175,408, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	174,447, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	175,409, Cl. D45-9.
Katz, Adolph, to Coro, Inc.	174,448, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	175,410, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	174,449, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	175,411, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	174,450, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	175,412, Cl. D45-9.
Katz, Adolph, to Coro, Inc.	174,451, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	175,413, Cl. D45-9.
Katz, Adolph, to Coro, Inc.	174,452, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	175,414, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	174,453, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	175,415, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	174,502, Cl. D45-9.	Katz, Adolph, to Coro, Inc.	175,416, Cl. D45-9.
Katz, Adolph, to Coro, Inc.	174,556, Cl. D45-16.	Katz, Adolph, to Coro, Inc.	175,417, Cl. D45-9.
Katz, Adolph, to Coro, Inc.	174,557, Cl. D45-19.	Katz, Adolph, to Coro, Inc.	175,507, Cl. D45-19.
Katz, Adolph, to Coro, Inc.	174,558, Cl. D45-19.		
Katz, Adolph, to Coro, Inc.	174,559, Cl. D45-16.		
Katz, Adolph, to Coro, Inc.	174,560, Cl. D45-19.		
Katz, Adolph, to Coro, Inc.	174,561, Cl. D45-16.		
Katz, Adolph, to Coro, Inc.	174,562, Cl. D45-19.		
Katz, Adolph, to Coro, Inc.	174,563, Cl. D45-9.		



- Katz, Adolph, to Eastern Jewelry Mfg. Co. Inc. 175,508, Cl. D45—4.
- Katz, Adolph, to Coro, Inc. 175,509, Cl. D45—4.
- Katz, Adolph, to Coro, Inc. 175,510, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 175,603, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 175,604, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 175,605, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 175,606, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 175,607, Cl. D45—4.
- Katz, Adolph, to Coro, Inc. 175,608, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 175,609, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 175,610, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 175,611, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 175,612, Cl. D45—4.
- Katz, Adolph, to Coro, Inc. 175,613, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 175,614, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 175,615, Cl. D45—4.
- Katz, Adolph, to Coro, Inc. 175,616, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 175,617, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 175,618, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 175,619, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 175,620, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 175,621, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 175,622, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 175,724, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 175,725, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 175,726, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 175,727, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 175,728, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 175,729, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 175,730, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 175,775, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 175,776, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 175,777, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 175,778, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 175,779, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 175,838, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 175,839, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 175,952, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 175,953, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 175,954, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 175,955, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 175,956, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 175,957, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 175,958, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 175,959, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 175,960, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 175,961, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 175,962, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 175,963, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 175,964, Cl. D45—17.
- Katz, Adolph, to Coro, Inc. 175,965, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 175,966, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 175,967, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 176,070, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 176,071, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 176,193, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 176,194, Cl. D45—17.
- Katz, Adolph, to Coro, Inc. 176,195, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 176,196, Cl. D45—17.
- Katz, Adolph, to Coro, Inc. 176,197, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 176,198, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 176,199, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 176,200, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 176,201, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 176,202, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 176,203, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 176,204, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 176,205, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 176,206, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 176,207, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 176,208, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 176,209, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 176,210, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 176,211, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 176,212, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 176,213, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 176,214, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 176,215, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 176,216, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 176,217, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 176,218, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 176,219, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 176,265, Cl. D45—10.
- Katz, Adolph, to Coro, Inc. 176,266, Cl. D45—10.
- Katz, Adolph, to Coro, Inc. 176,267, Cl. D45—10.
- Katz, Adolph, to Coro, Inc. 176,268, Cl. D45—10.
- Katz, Adolph, to Coro, Inc. 176,269, Cl. D45—10.
- Katz, Adolph, to Coro, Inc. 176,341, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 176,342, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 176,343, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 176,344, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 176,345, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 176,346, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 176,347, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 176,348, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 176,349, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 176,350, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 176,351, Cl. D45—16.
- Katz, Adolph, to Coro, Inc. 176,352, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 176,353, Cl. D45—19.
- Katz, Adolph, to Coro, Inc. 176,354, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 176,355, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 176,356, Cl. D45—9.
- Katz, Adolph, to Coro, Inc. 176,416, Cl. D45—9.
- Katz, Florence G. 174,329, Cl. D3—25.
- Katz, Florence G. 174,330, Cl. D3—25.
- Katz, Russell, to P. Benninghofen and F. B. Diesbach. 176,357, Cl. D64—11.
- Katzen, Raphael. 176,358, Cl. D25—1.
- Katzfey, James M.: See—  
Hill, Joseph A., and Katzfey. 176,258.
- Kaufmann, Edmund: See—  
Rowan, Frederick J. 175,856.
- Kaupp, Ethel R. 175,171, Cl. D20—2.
- Kaupp, Ethel R. 175,309, Cl. D20—2.
- Kawneer Co.: See—  
Fink, Robert R. 175,765.
- Fink, Robert R. 176,180.
- Gulliksen, Harold T. 174,547.
- Gulliksen, Harold T. 174,548.
- Gulliksen, Harold T. 174,549.
- Kawsky, James S., to Studebaker-Packard Corp. 175,261, Cl. D14—30.
- Kay, Sondra, Inc.: See—  
Birkerts, Gunnar G. 174,211.
- Birkerts, Gunnar G. 174,212.
- Kay, Stanley W., and W. Van Der Sluys. 175,840, Cl. D66—1.
- Kaye, Dotte. 175,549, Cl. D87—3.
- Kaye, Dotte. 175,550, Cl. D87—3.
- Kaye, Gordon E., and H. Jacobel. 175,418, Cl. D34—5.
- Kayson, Inc.: See—  
Chepp, Milton J., Irwin, and Auler. 174,528.
- Keal, John J., to Brown-Saltman Furniture Co. 173,904, Cl. D33—14.
- Keal, John J., to Brown-Saltman Furniture Co. 176,142, Cl. D15—11.
- Keal, John J., to Brown-Saltman Furniture Co. 176,462, Cl. D33—19.
- Kean, Morris. 175,841, Cl. D3—13.
- Keane, Henry J., to Chrysler Corp. 174,389, Cl. D14—3.
- Keck, Henry C., to Robertshaw-Fulton Controls Co. 175,348, Cl. D52—1.
- Keefe, Lincoln M. 175,349, Cl. D52—3.
- Keller, Nicholas W., to Aluminum Co. of America. 173,905, Cl. D44—1.
- Kelling, Max J. 174,640, Cl. D80—10.
- Kellogg Co.: See—  
Hirsch, Henry and B. L. 176,186.
- Kellogg, Neal H.,  $\frac{1}{2}$  to W. C. Burger. 175,684, Cl. D4—3.
- Kelman, Samuel E., to Metalart Buckle Co. 175,551, Cl. D17—1.
- Kelman, Samuel E., to Metalart Buckle Co. 175,685, Cl. D17—1.
- Kelman, Samuel E., to Metalart Buckle Co. 175,780, Cl. D17—1.
- Kelman, Samuel E., to Metalart Buckle Co. 176,463, Cl. D17—1.
- Keltie, George R., to American Wringer Co., Inc. 173,845, Cl. D20—2.
- Kenmar Mfg. Co., The: See—  
Glass, Henry P. 174,688.
- Kennedy, Bert. 176,143, Cl. D3—11.
- Kent, Elizabeth S., to Scovill Mfg. Co. 176,144, Cl. D91—1.
- Kent, John H. 175,419, Cl. D34—5.
- Kenyon, Robert A., II. 174,817, Cl. D34—5.
- Ketcham and McDougall, Inc.: See—  
McFadyen, Richard J. 176,366.
- Keyes Fibre Co.: See—  
Randall, Walter H. 176,035.
- Kidwell, James H. 176,417, Cl. D34—15.
- Kiefer, Walter J., to Belvidere Products, Inc. 174,042, Cl. D4—2.
- Kiehl, Howard C. 174,580, Cl. D31—2.
- Kiekhaefer, Elmer C. 174,390, Cl. D71—1.
- Kiekhaefer, Elmer C. 174,879, Cl. D71—1.
- Kiekhaefer, Elmer C. 176,021, Cl. D80—9.
- Kilday, Paul J. 174,089, Cl. D61—1.
- King, Henry T., and E. S. Getner, to Chrysler Corp. 174,907, Cl. D48—32.
- King, Henry T., and H. W. Pilkey, to Chrysler Corp. 175,172, Cl. D48—32.
- King, Henry T., and H. W. Pilkey, to Chrysler Corp. 175,552, Cl. D14—18.
- King, Henry T., and E. S. Getner, to Chrysler Corp. 175,553, Cl. D14—6.
- King, Henry T., and E. S. Getner, to Chrysler Corp. 175,554, Cl. D14—18.
- King, Ronald V. 176,022, Cl. D58—17.
- King, Virginia A., to Fuller Box Co. Inc. 174,454, Cl. D80—5.
- Kingston Products Corp.: See—  
Trombley, Bertrand N. 174,841.
- Kipp, Karl, to Daystrom, Inc. 174,695, Cl. D15—8.
- Kirk, Samuel, & Son, Inc.: See—  
Millsbaugh, Martin L. 176,076.
- Klagges, Henry C.: See—  
Steinberg, Harold E., and Klagges. 175,864.
- Klein, Edward, to Motorola, Inc. 176,023, Cl. D56—4.
- Klein, Edward, to Motorola, Inc. 176,024, Cl. D56—4.
- Klein, Edward, to Motorola, Inc. 176,025, Cl. D56—4.
- Klein, Isaac, to Barton Inc. 176,270, Cl. D88—2.
- Klein, Sarah, to Merry Products, Inc. 175,350, Cl. D3—2.
- Klein, Sarah, to Merry Products, Inc. 175,351, Cl. D3—2.
- Kleinman, Eugene. 175,731, Cl. D4—3.
- Kline, Arthur E., and W. H. Webster, to McGraw Electric Co. 176,464, Cl. D26—7.
- Klingberg, Arthur F. 174,908, Cl. D35—3.



- Klingberg, Arthur F. 174,909, Cl. D35—3.  
 Klingberg, Arthur F. 176,145, Cl. D35—3.  
 Klingberg, Arthur F. 176,220, Cl. D35—3.  
 Klise Mfg. Co.: *See*—  
   Bissell, Wadsworth, and Watt. 174,012.  
   Bissell, Wadsworth, and Watt. 174,013.  
 Klotz, Edward C., Jr., to Globe-Union Inc. 175,420, Cl. D26—6.  
 Klotz, Edward C., Jr., to Ray-O-Vac Co. 175,511, Cl. D48—24.  
 Klotz, Edward C., Jr., to Ray-O-Vac Co. 175,512, Cl. D48—24.  
 Klotz, Edward C., Jr., to Ray-O-Vac Co. 175,513, Cl. D48—24.  
 Klotz, Edward C., Jr., to Ray-O-Vac Co. 175,514, Cl. D48—24.  
 Klotz, Edward C., Jr., to Ray-O-Vac Co. 176,465, Cl. D48—24.  
 Knaebel, Thomas C., and C. J. Deutsch, to C. J., B. and H. Deutsch, d. b. a. Standard Machine & Mfg. Co. 175,890, Cl. D91—3.  
 Knapp, James G.: *See*—  
   Palma, Joseph, Jr., and Knapp. 175,439.  
 Knapp-Monarch Co.: *See*—  
   Huck, Alfred J. 175,601.  
   Moore, Walter E. 174,460.  
   Moore, Walter E. 175,267.  
   Moore, Walter E. 175,268.  
 Knapp, Stephen, Jr., to The Sherwin-Williams Co. 175,352, Cl. D9—2.  
 Knapp, Stephen, Jr., to The Sherwin-Williams Co. 175,353, Cl. D9—2.  
 Knapp, Stephen, Jr., to The Sherwin-Williams Co. 175,354, Cl. D9—2.  
 Knapp, Stephen, Jr., to The Sherwin-Williams Co. 175,355, Cl. D9—2.  
 Knight, George C., to George C. Knight Co. 176,359, Cl. D14—6.  
 Knight, George C., Co.: *See*—  
   Knight, George C. 176,359.  
 Knight, Phillis. 175,421, Cl. D3—25.  
 Knisley, Merton E. 175,623, Cl. D34—5.  
 Knowles, Frederick G., to Eastman Kodak Co. 174,696, Cl. D61—1.  
 Knowles, Frederick G., to Eastman Kodak Co. 174,880, Cl. D61—1.  
 Knowles, Frederick G., to Eastman Kodak Co. 175,891, Cl. D61—1.  
 Knox, George N. 175,471, Cl. D33—14.  
 Knuth, Carl. 175,892, Cl. D71—1.  
 Koch, Jerome H. 175,023, Cl. D85—2.  
 Koepf, Rudolph H., and B. B. du Pont, to General Electric Co. 174,697, Cl. D26—13.  
 Koffler, Sol: *See*—  
   Hauser, Jon W. 175,945.  
 Kolb, Otto and R. 174,503, Cl. D15—1.  
 Kolb, Ridi: *See*—  
   Kolb, Otto and R. 174,503.  
 Kolbe, H. M., Co., Inc.: *See*—  
   Kolbe, William L. 174,818.  
 Kolbe, William L., to H. M. Kolbe Co., Inc. 174,818, Cl. D92—1.  
 Konikson, Ernest R. 175,686, Cl. D13—1.  
 Kono, Alexander, to The Kono Mfg. Co. 175,555, Cl. D57—1.  
 Kono, Alexander A., Jr. 175,687, Cl. D57—1.  
 Kono, Alexander A., Jr. 175,688, Cl. D57—1.  
 Kono Mfg. Co., The: *See*—  
   Kono, Alexander. 175,555.  
 Koons, Paul M., to The National Cash Register Co. 175,356, Cl. D64—11.  
 Koopman, Phillip J.: *See*—  
   Joy, Oliver T., and Koopman. 176,264.  
 Kornbluth, Simon. 176,146, Cl. D34—5.  
 Kostopoulos, Emanuel A., to the United States of America as represented by the Secretary of the Army. 175,024, Cl. D17—2.  
 Kotzin, Bernard, Sr. 175,472, Cl. D48—20.  
 Kousens, Elizabeth E., to Peerless Mfg. Co. 175,262, Cl. D14—3.  
 Koval, John W., to Norcross, Inc. 176,418, Cl. D80—9.  
 Kove, Nicholas, to Airfix Products Ltd. 174,127, Cl. D34—15.  
 Kowalczyk, Frank. 175,025, Cl. D93—4.  
 Krajewski, Alexander J.: *See*—  
   Evans, Lloyd G. 174,253.  
 Kralovec, Otto J., Jr., to General Outdoor Advertising Co., Inc. 175,026, Cl. D80—1.  
 Kramer Jewelry Creations, Inc.: *See*—  
   Kramer, Louis. 174,090.  
   Kramer, Louis. 174,091.  
   Kramer, Louis. 174,092.  
   Kramer, Louis. 174,391.  
   Kramer, Louis. 174,392.  
 Kramer, Louis, to Kramer Jewelry Creations, Inc. 174,090, Cl. D45—9.  
 Kramer, Louis, to Kramer Jewelry Creations, Inc. 174,091, Cl. D45—19.  
 Kramer, Louis, to Kramer Jewelry Creations, Inc. 174,092, Cl. D45—19.  
 Kramer, Louis, to Kramer Jewelry Creations, Inc. 174,391, Cl. D45—4.  
 Kramer, Louis, to Kramer Jewelry Creations, Inc. 174,392, Cl. D45—16.  
 Kramer, Louis. 176,147, Cl. D45—16.  
 Kranz, William J., to Viko Furniture Corp. 175,781, Cl. D15—8.  
 Krause, Richard F., to The Enterprise Aluminum Co. 174,504, Cl. D44—1.  
 Krauss, Carl. 173,906, Cl. D33—14.  
 Kreisel, Otto. 175,893, Cl. D26—5.  
 Krenn, Anton V. 176,271, Cl. D72—1.  
 Kress, George H., and C. W. Sundberg, to International Business Machines Corp. 174,043, Cl. D26—5.  
 Kress, George H., and C. W. Sundberg, to International Business Machines Corp. 174,044, Cl. D26—5.  
 Kress, George H., and C. J. Jaworski, to International Business Machines Corp. 174,842, Cl. D64—11.  
 Kress, George H., and M. F. Davis, Jr., to International Business Machines Corp. 175,173, Cl. D64—11.  
 Kress, George H., and M. F. Davis, Jr., to International Business Machines Corp. 175,174, Cl. D64—11.  
 Kress, George H., and J. W. Stringer, to International Business Machines Corp. 175,310, Cl. D64—10.  
 Kress, George H., and M. F. Davis, Jr., to International Business Machines Corp. 175,732, Cl. D52—2.  
 Kress, George H., C. J. Jaworski, and J. J. La Due, to International Business Machines Corp. 175,782, Cl. D64—11.  
 Kress, George H., and M. F. Davis, Jr., to International Business Machines Corp. 176,026, Cl. D64—11.  
 Kress, George H., and M. F. Davis, Jr., to International Business Machines Corp. 176,027, Cl. D64—11.  
 Kresser, Leon: *See*—  
   Fuchs, Irwin E., and Kresser. 175,341.  
 Krieger, Larry L., to International Latex Corp. 175,843, Cl. D20—4.  
 Kritchever, Mathew F., to Graphicolor, Inc. 174,819, Cl. D85—2.  
 Kroehler Mfg. Co.: *See*—  
   Rutter, Sheldon M. 175,131.  
 Kromex Corp.: *See*—  
   Ziskin, Manuel S., and Billig. 174,071.  
   Ziskin, Manuel S., and Billig. 174,605.  
   Ziskin, Manuel S., and Billig. 176,091.  
 Krone, Clarence F., Jr., to Lonkrone Co. 175,556, Cl. D11—1.  
 Krueger, Max. 175,894, Cl. D9—2.  
 Kruff, Heinrich. 176,148, Cl. D3—19.  
 Kruger, Cyril. 175,027, Cl. D33—8.  
 Krust, Herbert: *See*—  
   Appel, Wolfgang, and Krust. 175,142.  
 Kuehne Mfg. Co.: *See*—  
   Roth, Andrew. 174,472.  
 Kummie, Helen H.: *See*—  
   Sunkees, Madeleine B. 174,067.  
   Sunkees, Madeleine B. 174,068.  
 Kummie, Helen H. 174,045, Cl. D3—11.  
 Kummie, Helen H. 174,046, Cl. D3—11.  
 Kummie, Helen H., and M. B. Sunkees; said Sunkees assor. to said Kummie. 174,047, Cl. D3—11.  
 Kummie, Helen H. 174,048, Cl. D3—11.  
 Kumpis, John B.: *See*—  
   Kumpis, Margaret and J. B. 174,992.  
   Kumpis, Margaret and J. B. 175,733.  
 Kumpis, Margaret and J. B. 174,992, Cl. D26—14.  
 Kumpis, Margaret and J. B. 175,733, Cl. D26—14.  
 Kurant, Adam. 173,805, Cl. D85—2.  
 Kurant, Adam. 174,128, Cl. D85—2.  
 Kusel, Edward J. 173,956, Cl. D48—31.  
 Kwik-Mix Co.: *See*—  
   Jones, Daniel C. 176,139.  
 Kwikset Locks, Inc.: *See*—  
   Smith, Selig J., and Mayer. 174,294.  
 La Barre, Ernoll W., to W. L. Stensgaard and Associates, Inc. 176,466, Cl. D80—11.  
 Laboratory for Electronics, Inc.: *See*—  
   Wilkins, William B. 174,104.  
 La Della Art Studios: *See*—  
   Del Orsinee, Richard M. 174,683.  
 La Due, James J.: *See*—  
   Kress, George H., Jaworski, and La Due. 175,782.  
 Lady Marlene Brassiere Corp.: *See*—  
   Gerstein, Irving and S. 175,164.  
 La Forte, Michael J., to Vaughan Mfg. Co. 175,557, Cl. D22—2.  
 La Gassey, Homer C., Jr., to General Motors Corp. 175,175, Cl. D14—30.  
 Lagostina, Massimo. 175,176, Cl. D44—21.  
 Laham, George S. 174,581, Cl. D7—7.  
 Laher, Frank J. 176,272, Cl. D14—3.  
 Lahr, Peter W.: *See*—  
   Seyfried, Arthur W., and Lahr. 175,047.  
 Lakeshore Industries Inc.: *See*—  
   Dawson, Kenneth C. 176,007.  
 Lambach, Adolph D., to T. J. George. 174,331, Cl. D56—2.  
 Lambach, Adolph D., to T. J. George. 174,332, Cl. D56—2.  
 Lambach, Adolph D., to T. J. George. 174,333, Cl. D56—2.  
 Lambert, Arthur W. 175,263, Cl. D44—1.  
 Lambert, Raoul A., to Westinghouse Electric Corp. 173,907, Cl. D9—2.  
 Lamborn, Frank W. 174,881, Cl. D34—4.  
 Lampe, Robert C.: *See*—  
   Guild, Lurelle V. A., Lampe, and Norrick. 175,345.  
 Lancome, S. A.: *See*—  
   Frydlander, Sophie. 174,031.  
 Landers, Frary & Clark: *See*—  
   Russell, William J. 175,982.  
 Landes, Alfred: *See*—  
   Hopson, Howel H. 173,945.  
 Landes, Alfred. 174,698, Cl. D48—4.  
 Landis, Earle H. 174,582, Cl. D48—20.  
 Lane, Bert: *See*—  
   Rettie, George W. 174,965.



- Lane, Jack. 175,968, Cl. D85—2.  
 Lane, Paul W.,  $\frac{1}{2}$  to M. Shayne. 174,583, Cl. D14—3.  
 Lane, Stuart H. 175,225, Cl. D52—3.  
 Langenfeld, A. L., Inc.: *See—*  
     Langenfeld, Adolph L. 174,334.  
 Langenfeld, Adolph L., to A. L. Langenfeld, Inc. 174,334, Cl. D7—5.  
 Lansford, Paul T.: *See—*  
     Nelson, Averd. 174,884.  
 La Riviere, Rodolphe J. H.: *See—*  
     Triantafillou, Tom, Bradford, La Riviere, and Michutka. 174,520.  
 Larsen, Melvin J. to Reynolds Industries, Inc. 176,360, Cl. D74—1.  
 Larsen, Walter C., to Minnesota Mining & Mfg. Co. 175,505, Cl. D74—1.  
 Larson, Dean E. 174,910, Cl. D34—5.  
 Lashley, Charles J. W. 176,467, Cl. D34—5.  
 Laskowitz, Joseph F. 175,624, Cl. D15—11.  
 Laszlo, Stephen E. 175,177, Cl. D52—7.  
 Latham, Herbert J., to Bylock Electric Ltd. 174,820, Cl. D9—2.  
 Laub, Carl J. 175,558, Cl. D90—8.  
 Lauber, Olley C. 174,641, Cl. D33—3.  
 Lauber, Olley C. 174,642, Cl. D33—3.  
 Laudani, Anthony. 174,821, Cl. 74—17.  
 Laughlin, Clayton A., to Brown & Bigelow. 175,028, Cl. D44—9.  
 Loughton, George A. 175,783, Cl. 86—10.  
 Lavine, Raymond. 176,468, Cl. D21—6.  
 Lavorata, Armond R., to Stardust, Inc. 175,083, Cl. D20—4.  
 Lawrence, Maynard D., to Berkley Machine Products. 173,957, Cl. D3—10.  
 Lawrence, Ralph E., to Ralston Mfg. Co. 175,784, Cl. D31—4.  
 Lawrin Co., The: *See—*  
     Miller, Catherine. 175,690.  
 Laws, Berry F., Jr. 175,422, Cl. D34—5.  
 Lazy Golfer Corp., The: *See—*  
     Parker, J. Royal, and Idank. 174,346.  
     Parker, J. Royal, and Idank. 174,347.  
 Leatham, Royal B.: *See—*  
     Agnew, Gilmore W., and Leatham. 174,975.  
 Leavenworth Steel, Inc.: *See—*  
     Haynes, William J., Sr. 174,321.  
 Lee Rubber & Tire Corp.: *See—*  
     Nellen, Arthur H. 173,877.  
 Lees, James, and Sons Co.: *See—*  
     Harris, William M. 174,500.  
     Harris, William M. 174,553.  
 Le Plaguais, Jacques. 175,029, Cl. D34—5(8).  
 Lehmann, George A., to The Dazey Corp. 175,311, Cl. D22—2.  
 Leichter, Newton S., to Ajax Hardware Mfg. Co. 175,473, Cl. D10—8.  
 Leitz, Ernst, G. m. b. H.: *See—*  
     Eckhardt, Robert, Henrici, and Gross. 174,536.  
 Lemaire, Henri G. E. 176,149, Cl. D83—1.  
 Lembeck, Herman D.: *See—*  
     Tasner, Fred P., and Lembeck. 175,198.  
 Lemmey, Edgar S.: *See—*  
     Dine, Lester A., and Lemmey. 174,025.  
 Lemmons, Harry: *See—*  
     Schaeffer, Lewis C., and Lemmons. 174,660.  
 Lempro Products, Inc.: *See—*  
     Blazek, William J., Evans, and Barkley. 173,831.  
 Lendved, John W.: *See—*  
     Thomas, Austin K., Lendved, and McKillop. 175,990.  
 Lenox Inc.: *See—*  
     Anderson, Winslow. 175,752.  
 Leonard, Ralph N., and E. G. Hills, to Radion Corp. 175,423, Cl. D26—14.  
 Leopoldi, Norbert. 174,393, Cl. D48—27.  
 Lerch, Carl J., to White Sewing Machine Corp. 175,515, Cl. D33—12.  
 Le Sac, Carolyn, to Enger-Kress Co. 174,505, Cl. D87—3.  
 Lesser, Paul, to Calvine Cotton Mills, Inc. 174,129, Cl. D92—1.  
 Leubner, Courtney A.: *See—*  
     Palma, Joseph, Jr., and Leubner. 173,996.  
 Levenhagen, Alvin W. 174,506, Cl. D44—1.  
 Leventhal, Gabriel. 175,689, Cl. D20—2.  
 Leverett, John C.: *See—*  
     Drengwitz, Paul, and Leverett. 174,217.  
 Levine, David, to Crest Lock Co., Inc. 175,844, Cl. D50—7.  
 Levine, Joseph, and J. H. Zittler. 176,273, Cl. D48—16.  
 Levine, Joseph, and J. H. Zittler. 176,274, Cl. D48—16.  
 Levine, Morton, to Commonwealth Plastics Corp. 173,806, Cl. D17—2.  
 Levine, Morton, to Commonwealth Plastics Corp. 173,873, Cl. D17—2.  
 Levine, Morton F., to Commonwealth Plastics Corp. 175,785, Cl. D17—2.  
 Lewis, Arthur R., to Wispese Corp. 176,072, Cl. D3—17.  
 Lewis, Cicero H., II, to Trade-Wind Motorfans, Inc. 174,230, Cl. D26—7.  
 Lewis, Donald A.: *See—*  
     Robinson, James M., and Lewis. 174,098.  
 Lewis, Harry, to Lion Ribbon Co. 174,643, Cl. D80—9.  
 Lewis, Harry, to Lion Ribbon Co. 174,644, Cl. D80—1.  
 Lewis, Harry, to Lion Ribbon Co. 174,645, Cl. D80—9.  
 Lewis, Edward V.: *See—*  
     Dalton, Bruce H., and Lewis. 175,298.  
 Lewyt Corp.: *See—*  
     Meyerhoefer, Carl E. 174,395.  
     Meyerhoefer, Carl E., and Fleming. 174,396.  
 Libbey, Harry G., Jr. 174,335, Cl. D87—5.  
 Licht and Kaplan, Inc.: *See—*  
     Kaplan, Louis. 174,859.  
 Lichten, Robert L., to Bell Aircraft Corp. 176,028, Cl. D71—1.  
 Lichtner, William B.: *See—*  
     Mishcon, Sidney, and Lichtner. 174,233.  
 Licinit, John, and A. D'Alessandro, to Jordan Refrigerator Co. 175,264, Cl. D67—3.  
 Licursi, Peter: *See—*  
     Troche, Herman J., and Licursi. 175,097.  
 Lieber, Ben, to Aply-Tec Products, Inc. 176,221, Cl. D85—8.  
 Lieberman, Morton J. 173,908, Cl. D80—9.  
 Lignacraft: *See—*  
     Wallace, Richard M., and Young. 176,238.  
 Lill, Melvin. 174,336, Cl. D44—29.  
 Limbach, Curtis A. 173,994, Cl. D3—32.  
 Lind, William E., to A. R. A. Mfg. Co. 175,625, Cl. D62—4.  
 Lindsay, Albert M. 174,993, Cl. D22—4.  
 Lines Bros. Ltd.: *See—*  
     Lines, Walter. 176,361.  
 Lines, Walter, to Lines Bros. Ltd. 176,361, Cl. D34—15.  
 Lingstrom, Freda. 174,184, Cl. D34—4.  
 Lingstrom, Freda. 174,185, Cl. D34—4.  
 Linsley, Douglas F., to Linsley Inc. 174,455, Cl. D80—1.  
 Linsley, Douglas F., to Linsley Inc. 174,456, Cl. D80—1.  
 Linsley Inc.: *See—*  
     Linsley, Douglas F. 174,455.  
     Linsley, Douglas F. 174,456.  
 Lion Ribbon Co.: *See—*  
     Lewis, Harry. 174,643.  
     Lewis, Harry. 174,644.  
     Lewis, Harry. 174,645.  
 Lipkin, Sol. 174,882, Cl. D3—13.  
 Lipman, Isadore A., to The Ellmore Silver Co., Inc. 174,337, Cl. D54—12.  
 Lipton, Nat. 175,786, Cl. D4—3.  
 Liston, Marcia B.: *See—*  
     Bletcher, Ralph E., and Ward. 175,102.  
 Little, John M., to Toledo Scale Co. 175,734, Cl. D52—10.  
 Littler, Frank P. 176,362, Cl. D85—2.  
 Littrell, Leonard J., and H. R. Vickers. 175,787, Cl. D1—2.  
 Lituchy, Noel J. 175,626, Cl. D48—24.  
 Lively, Thompson A. 175,516, Cl. D33—3.  
 Livermore, Henry W. 173,807, Cl. D44—1.  
 Livestock Sprayer Mfg. Co.: *See—*  
     Abildgaard, William H. 174,208.  
 Lloyd, Pascal and Co. Ltd.: *See—*  
     Pascal, Colin E. 175,519.  
 Lo Cascio, Jack J., to Even-Pul Foundations, Inc. 175,178, Cl. D20—4.  
 Locke, Loyal V., and R. Viemeister, to The Huffman Mfg. Co. 175,084, Cl. D58—17.  
 Lockwood Hardware Mfg. Co.: *See—*  
     Patriquin, George T. 176,279—176,283.  
 Loeffler, Gisella: *See—*  
     Shaw, Evan K., Allen, Shaw, and Loeffler. 175,132.  
 Loeffler, John A. 174,049, Cl. D35—3.  
 London, George. 174,186, Cl. D3—25.  
 Long Mfg. Co., Inc.: *See—*  
     Atkinson, Wallace E. 175,705.  
     Atkinson, Wallace E. 176,437.  
 Lonkrone Co.: *See—*  
     Krone, Clarence F., Jr. 175,556.  
 Lorentzen Hardware Mfg. Corp.: *See—*  
     Anderle, Joseph A. 174,407.  
 Lorenzen, Arnold I., to Owens-Illinois Glass Co. 174,646, Cl. D58—8.  
 Lottes, Richard M. 175,030, Cl. D80—9.  
 Lovejoy, Charles K., to Scripto, Inc. 176,469, Cl. D74—17.  
 Lovett, Wendell H., 25% to F. Bassetti, 25% to J. M. Morse, 40% to W. H. Lovett, and 10% to J. R. Van Horne. 174,394, Cl. D81—7.  
 Lowe, Robert A., and F. F. White. 176,419, Cl. D54—2.  
 Lowe, Robert L. 174,187, Cl. D1—12.  
 Lowenthal, Fred. 174,994, Cl. D74—21.  
 Lowenthal, Hans. 175,085, Cl. D48—27.  
 Lowenthal, Hans, to Colibri Lighters Ltd. 175,895, Cl. D48—27.  
 Lubow, Morris, to Wolf X-Ray Products, Inc. 174,771, Cl. D80—10.  
 Lucassen, Fred J. 174,507, Cl. D34—5.  
 Luek, Otto W.: *See—*  
     Eby, Richard R., Luek, McDuffie, and Nolt. 174,898.  
 Luger, Rennold J., Jr.: *See—*  
     Ertsgaard, Byron L., Sonmore, and Luger. 175,540.  
     Ertsgaard, Byron L., Sonmore, and Luger. 176,179.  
 Lukens Steel Co.: *See—*  
     West, Russell A., and Edwards. 174,152.  
 Lux, Philip G. 176,420, Cl. D80—1.  
 Lyman, Joseph, to Aero-Nautical Boat Shop, Inc. 175,424, Cl. D71—1.  
 Lynen, William: *See—*  
     Nobis, George V., and Lynen. 176,371.  
 Lynn Craft Shoe Corp.: *See—*  
     Rubin, Arthur. 176,230.  
 Lyon, George A. 173,808, Cl. D14—30.  
 Lyon, George A. 173,809, Cl. D14—30.  
 Lyon, George A. 175,179, Cl. D14—30.  
 Lyon, George A. 175,180, Cl. D14—30.  
 Lyon, George A. 175,181, Cl. D14—30.  
 Lyon, George A. 175,517, Cl. D14—30.  
 Macauley, Edward R., to Studebaker-Packard Corp. 175,845, Cl. D14—3.



- MacBell, John. 174,959, Cl. D44—24.  
Mackay, Frederick G.: *See*—  
Burrus, Robert E., Mackay, and Armstrong. 175,391.  
Mackichan, Clare M., to General Motors Corp. 176,421, Cl. D14—3.  
Mackie-Lovejoy Mfg. Co.: *See*—  
Crockett, William P., Jr. 174,739.  
MacMicking, William P. 175,896, Cl. D22—3.  
Macy, Helen. 174,822, Cl. D3—4.  
Macy, Helen. 174,823, Cl. D87—3.  
Madl, Alfred W., to John Oster Mfg. Co. 176,422, Cl. D9—2.  
Magid, Sidney H. 174,911, Cl. D3—13.  
Magnus, Finn H. 175,788, Cl. D31—4.  
Magnuson, A.: *See*—  
Magnuson, Raymond A., and Christiansen. 174,700.  
Magnuson, R. A.: *See*—  
Magnuson, Raymond A., and Christiansen. 174,700.  
Magnuson, Raymond A., and N. M. Christiansen, to R. A. and A. Magnuson, copartners d. b. a. Vogel-Peterson Co. 174,700, Cl. D33—17.  
Mahan, John H.: *See*—  
Thompson, Ralph B. 175,201.  
Maher, John G. 175,425, Cl. D56—1.  
Mahlberg, Lawrence: *See*—  
Mahlberg, Lucy M. 174,457.  
Mahlberg, Lucy M. 175,969.  
Mahlberg, Lucy M.,  $\frac{1}{3}$  to H. F. Wehling, and  $\frac{1}{3}$  to L. Mahlberg. 174,457, Cl. D45—9.  
Mahlberg, Lucy M.,  $\frac{1}{3}$  to H. Wehling, and  $\frac{1}{3}$  to L. Mahlberg. 175,969, Cl. D45—19.  
Maiden Form Brassiere Co., Inc.: *See*—  
Braun, Carl. 175,387.  
Rosenthal, William. 175,741.  
Malachowski, Handry J., to Yankee Metal Products Corp. 175,897, Cl. D14—6.  
Malachowski, Handry J., to Yankee Metal Products Corp. 175,898, Cl. D14—6.  
Malachowski, Handry J., to Yankee Metal Products Corp. 175,899, Cl. D14—6.  
Malachowski, Handry J., to Yankee Metal Products Corp. 175,900, Cl. D14—6.  
Malachowski, Handry J., to Yankee Metal Products Corp. 175,901, Cl. D14—6.  
Malachowski, Handry J., to Yankee Metal Products Corp. 175,902, Cl. D14—6.  
Maling, Roy. 175,312, Cl. D7—5.  
Malls, Herman P. 175,313, Cl. D33—2.  
Malone, Harold L., and R. B. Husted, to Eastman Kodak Co. 175,226, Cl. D61—1.  
Mangin, James J. 174,912, Cl. D80—10.  
Mango, Joseph R., to H. S. and P. E. Perlman, d. b. a. Hill-Shaw Co. 175,086, Cl. D44—21.  
Manheimer, Arthur E.: *See*—  
Meyer, Jacques. 175,228.  
Mann, Forbes: *See*—  
Gibbons, Henry B., Jarrett, and Mann. 175,342.  
Manning, John J. 175,474, Cl. D72—1.  
Mantell, Morris. 176,073, Cl. D3—13.  
Manville, Henrietta P.: *See*—  
Guild, Lurelle, and Manville. 176,321—176,325.  
Manville, Henrietta P., to Revlon Products Corp. 176,363, Cl. D86—10.  
Manville, Henrietta P., to Revlon Products Corp. 176,364, Cl. D86—10.  
Marano, Herbert W., to Wilson Jones Co. 173,958, Cl. D74—1.  
Marano, Herbert W., to Wilson Jones Co. 173,959, Cl. D74—1.  
Marano, Herbert W., to Wilson Jones Co. 173,960, Cl. D74—1.  
Marano, Herbert W., to Wilson Jones Co. 175,122, Cl. D80—5.  
Marble, B. L., Chair Co., The: *See*—  
Pettibone, Charles L. 174,592.  
Marcus, William. 174,913, Cl. D44—29.  
Markholz, Richard C., to Raytheon Mfg. Co. 173,811, Cl. D56—4.  
Markley, Robert M., and R. M. Becker, to Coated Abrasive Products, Inc. 176,150, Cl. D21—6.  
Marko, Harold M., to Soss Mfg. Co. 176,074, Cl. D50—5.  
Marks, Lionel: *See*—  
Ashbach, Leonard, and Marks. 174,728.  
Marmike Mfg. Corp.: *See*—  
Aston, Bruno D. 175,330.  
Marquis, Emile. 175,559, Cl. D52—2.  
Marsden, Charles E. 175,846, Cl. D3—13.  
Marshall, Harold J. 174,458, Cl. D72—1.  
Martha, Oscar W., to R. Wallace & Sons Mfg. Co. 175,426, Cl. D44—10.  
Martha, Oscar W., to R. Wallace & Sons Mfg. Co. 175,427, Cl. D44—10.  
Martha, Oscar W., to R. Wallace & Sons Mfg. Co. 175,428, Cl. D44—15.  
Marthaler, Charles F. 175,087, Cl. D48—2.  
Martin, Alvin H. 174,188, Cl. D25—1.  
Martin, Clyde V. 176,029, Cl. D34—5.  
Martin, Frank S., T. A. Pietraszek, and P. Dornik, Jr., to United States Rubber Co. 176,470, Cl. D34—5.  
Martin, Russell T., and L. R. Stone. 174,824, Cl. D80—11.  
Martin, Thomas B., to Harry S. Guthait. 175,518, Cl. D62—4.  
Martin, Warren S., to Plant Products Corp. 175,627, Cl. D31—3.  
Martinez, Eugene F., to Health-Mor, Inc. 175,227, Cl. D9—2.  
Marx, Louis, & Co., Inc.: *See*—  
Campbell, Laurie J. 174,850.  
Campbell, Laurie J. 175,333.  
Maschin, Harold F.: *See*—  
Day, John F., and Maschin. 175,674.  
Maslow, Louis. 174,647, Cl. D33—2.  
Mason, Bluford M. 175,031, Cl. D74—1(6).  
Mason, John W., to Admiral Corp. 173,961, Cl. D56—4.  
Mason, John W., to Admiral Corp. 173,962, Cl. D56—4.  
Mason, John W., to Admiral Corp. 173,963, Cl. D56—4.  
Mason, John W., to Admiral Corp. 174,093, Cl. D56—4.  
Mason, John W., to Admiral Corp. 174,701, Cl. D26—14.  
Mass, Jacob. 175,903, Cl. D34—13.  
Massey, Emmette B. 175,789, Cl. D3—4.  
Mastercrafters Clock & Radio Co.: *See*—  
Ellman, Bernard. 176,177.  
Hancock, John L. 176,184.  
Masterson, Oliver W., to The Norwood Mfg. Co. 175,904, Cl. D5—4.  
Mathews, Elizabeth D. 175,429, Cl. D92—2.  
Mathias, Elbert C. 174,648, Cl. D45—9.  
Matsuda, Kokichi. 174,232, Cl. D70—1.  
Matsumoto, George Y. 173,847, Cl. D44—15.  
Matthews, Jas. H., & Co.: *See*—  
Rettman, Robert J. 173,857.  
Rettman, Robert J. 173,858.  
Maxwell, Donald R. 175,123, Cl. D29—23.  
May, Robert A., to Proctor Electric Co. 176,275, Cl. D81—10.  
Mayer, Ben: *See*—  
Smith, Selig J., and Mayer. 174,294.  
Mayer, Charles M., and E. S. Pollock, to The Tappan Stove Co. 175,847, Cl. D81—4.  
Mayer China Co.: *See*—  
Rischpater, Joyce W. 174,470.  
Mayers, Horace C.: *See*—  
Stock, Otto F., and Mayers. 174,663.  
Mayhill, Noble, and C. S. Brandt, to The Cobey Corp. 175,032, Cl. D40—1.  
Maytag Co., The: *See*—  
Combs, Dudley P. 173,838.  
Combs, Dudley P. 174,022.  
Combs, Dudley P. 174,312.  
Combs, Dudley P. 174,313.  
Combs, Dudley P. 174,314.  
McBride, James M. 174,231, Cl. D34—15.  
McCann, Ralph F. 175,790, Cl. D33—7.  
McCollough, John D. 175,033, Cl. D61—1.  
McCord, Douglas D., to Chicopee Mills, Inc. 176,222, Cl. D92—1.  
McCord, Douglas D., to Chicopee Mills, Inc. 176,223, Cl. D92—1.  
McCord, Douglas D., to Chicopee Mills, Inc. 176,224, Cl. D92—1.  
McCord, Douglas D., to Chicopee Mills, Inc. 176,365, Cl. D92—1.  
McCraw, Douglas H., to Abco Metal Products, Inc. 175,791, Cl. D33—19.  
McCulloch Motors Corp.: *See*—  
Bednarz, Felix L. 175,706.  
McDermott, Helen M. 174,772, Cl. D34—15.  
McDevitt, James A. 175,314, Cl. D52—3.  
McDonald, Marjorie: *See*—  
Wait, Louis S. 175,812.  
McDonald Products Corp.: *See*—  
Vevirit, James V. 175,449.  
McDuffie, James W.: *See*—  
Eby, Richard R., Luek, McDuffie, and Nolt. 174,898.  
McFadyen, Richard J., to Ketcham and McDougall, Inc. 176,366, Cl. D74—1.  
McFall, Alvin J. 175,357, Cl. D48—10.  
McGee, Hugh C. N. 174,914, Cl. D58—12.  
McGee, Hugh C. N. 174,915, Cl. D58—12.  
McGill Mfg. Co., Inc.: *See*—  
Goldsholl, Morton. 176,067.  
McGraw Electric Co.: *See*—  
Kline, Arthur E., and Webster. 176,464.  
Sant, Ralph P. 174,060.  
McInnis, Joseph S. 175,124, Cl. D48—20.  
McIntosh, Lawrie G.: *See*—  
Pickard, Bernard H., and McIntosh. 174,593.  
McIntosh, Richard F.: *See*—  
Squier, John M., Fales, McIntosh, Balmer, and Petlewski. 175,804.  
McIntyre, Alva B. 174,825, Cl. D44—22.  
McKillop, Robert W.: *See*—  
Thomas, Austin K., Lendved, and McKillop. 175,990.  
McLaughlin, James L. 174,699, Cl. D48—29.  
McLennan, Barbara H.: *See*—  
Ives, Glade, and McLennan. 175,469.  
McMinn, Roland A.: *See*—  
Fields, Mack R., Ryan, and McMinn. 174,985.  
McMurry, John N. 175,265, Cl. D3—13.  
McMurtrie, Robert H. 176,276, Cl. D5—4.  
McNair, Samuel L., to Standard Products Corp. 175,358, Cl. D83—1.  
McNamara, William V. 175,125, Cl. D33—1.  
McNeil, Neil F. 173,810, Cl. D21—6.  
McNickle, James L. 175,430, Cl. D3—10.  
McPhail, Robert G.: *See*—  
Franck, Kurt, and McPhail. 174,804.  
McQuarrie, Rulon J. 173,846, Cl. D81—10.  
McRoskey, John W. 175,088, Cl. D71—1.



- Meares, Arthur R.: *See*—  
Zackheim, Eli A., and Meares. 176,090.
- Mecus, Edward E. 174,338, Cl. D29—23.
- Mecus, Edward E. 174,339, Cl. D29—23.
- Medico, John J., Jr. 175,848, Cl. D58—9.
- Meditz, Walter J. 175,182, Cl. D58—6.
- Meeker, David A.: *See*—  
Allen, Kenneth C., and Meeker. 174,846.
- Mehr, Jacob A., to Dazor Mfg. Corp. 174,508, Cl. D48—20.
- Mehr, Jacob A., to Dazor Mfg. Corp. 175,432, Cl. D48—20.
- Mell, Alfred L., and C. S. Packer, to Justrite Mfg. Co. 174,287, Cl. D48—24.
- Mell, Alfred L., and C. S. Packer, to Justrite Mfg. Co. 174,288, Cl. D48—24.
- Mell, Alfred L., and C. S. Packer, to Justrite Mfg. Co. 174,289, Cl. D48—24.
- Melnor Metal Products Co., Inc.: *See*—  
Beinert, John D. 173,892.
- Meltz, Sidney, to Caldwell Button Co., Inc. 174,340, Cl. D17—2.
- Merrick, Gerald W. 176,075, Cl. D33—19.
- Merry Products, Inc.: *See*—  
Klein, Sarah. 175,350.
- Klein, Sarah. 175,351.
- Metalart Buckle Co.: *See*—  
Kelman, Samuel E. 175,551.
- Kelman, Samuel E. 175,685.
- Kelman, Samuel E. 175,780.
- Kelman, Samuel E. 176,463.
- Metlox Mfg. Co.: *See*—  
Allen, Robert Y., and E. K. and M. Shaw. 174,669.
- Shaw, Evan K., Allen, and Shaw. 175,987.
- Shaw, Evan K., Allen, Shaw, and Loeffler. 175,132.
- Meyer, Arnold. 174,094, Cl. D54—14.
- Meyer, Arthur I. 173,812, Cl. D54—12.
- Meyer, Carl X., and L. G. Stahlhut, to Day-Brite Lighting, Inc. 175,431, Cl. D48—23.
- Meyer, Carl X., and L. G. Stahlhut, to Day-Brite Lighting, Inc. 175,433, Cl. D48—23.
- Meyer, Carl X., and L. G. Stahlhut, to Day-Brite Lighting, Inc. 176,367, Cl. D48—23.
- Meyer, Jacques, to A. E. Manheimer. 175,228, Cl. D17—7.
- Meyerhoefer, Carl E., to Lewyt Corp. 174,395, Cl. D9—2.
- Meyerhoefer, Carl E., and J. F. Fleming, to Lewyt Corp. 174,396, Cl. D9—2.
- Meyers, Edwin C., to Will & Baumer Candle Co., Inc. 174,826, Cl. D80—9.
- Michlin, Jack. 173,341, Cl. D15—11.
- Michlin, Jack. 174,584, Cl. D15—11.
- Michlin, Jack. 174,827, Cl. D15—11.
- Michlin, Jack. 174,828, Cl. D15—11.
- Michlin, Jack. 174,960, Cl. D15—11.
- Michutka, John: *See*—  
Triantafyllou, Tom, Bradford, La Riviere, and Michutka. 174,520.
- Middlemark, Marvin P. 175,628, Cl. D26—14.
- Middlemark, Marvin P. 176,368, Cl. D26—14.
- Midwest Stamping & Mfg. Co.: *See*—  
Williams, Wilfred. 176,168.
- Mihalek, Emery. 174,459, Cl. D34—5.
- Mikolay, Raymond M., to Tybond Products Co. 174,509, Cl. D34—15.
- Militana, Benedict A. 173,813, Cl. D86—10.
- Mille Lacs Maple Products Corp.: *See*—  
Cargill, Sylvester H., Thiele, and Holbert. 173,933.
- Miller, Adam G. 175,434, Cl. D33—3.
- Miller, Catherine, to The Lawrin Co. 175,690, Cl. D48—20.
- Miller Meters, Inc.: *See*—  
Sciaccero, Rinaldo. 175,369.
- Miller, Sue B.: *See*—  
Tenber, Muriel E., and Miller. 175,446.
- Millerbernd, Paul A. 174,883, Cl. D48—31.
- Milligan, Robert R. D. 174,961, Cl. D4—3.
- Millinger, Bernard. 175,183, Cl. D3—2.
- Millington, William, and W. M. Day, to The Baldwin Piano Co. 176,423, Cl. D56—9.
- Millington, William, and W. M. Day, to The Baldwin Piano Co. 176,424, Cl. D56—9.
- Millington, William, and W. M. Day, to The Baldwin Piano Co. 176,425, Cl. D56—9.
- Millington, William, and W. M. Day, to The Baldwin Piano Co. 176,426, Cl. D56—9.
- Millington, William, and W. M. Day, to The Baldwin Piano Co. 176,427, Cl. D56—9.
- Mills Industries, Inc.: *See*—  
Biro, Joseph. 176,244.
- Millspaugh, Martin L., to Samuel Kirk & Son, Inc. 176,076, Cl. D54—12.
- Milwid, Alben J., to Congoleum-Nairn Inc. 173,874, Cl. D92—17.
- Minneapolis-Honeywell Regulator Co.: *See*—  
Dreyfuss, Henry. 175,675.
- Minnesota Mining & Mfg. Co.: *See*—  
Larsen, Walter C. 175,505.
- Mishcon, Sidney, and W. B. Lichtner. 174,233, Cl. D25—1.
- Mr. Boston Distiller Inc.: *See*—  
Berkowitz, Paul. 174,524.
- Mitchell, Robert L. 173,875, Cl. D9—6.
- Mitchell, Robert L. 174,916, Cl. D34—4.
- Mitchell, Sidney, to R. F. D. Co. Ltd. 174,585, Cl. D71—1.
- Moberg, Jerome E., to Dunfield-Durkee, Inc. 174,586, Cl. D40—1.
- Modern Metal Products Co.: *See*—  
Smith, Harvey J. 175,652.
- Smith, Harvey J. 175,862.
- Smith, Harvey J. 176,432.
- Modern Village Stores, Inc.: *See*—  
Hartup, Frederick W. 174,258.
- Modine Mfg. Co.: *See*—  
Reinecke, Jean O. 174,595.
- Moede, Walter A. 175,126, Cl. D48—20.
- Moffat, Alexander W., to Handling Devices Co., Inc. 175,266, Cl. D9—2.
- Moffat, Gladys L. 175,435, Cl. 35—3.
- Moffats Ltd.: *See*—  
Slate, Raymond N. 173,885.
- Mohr, Anthony. 175,034, Cl. D80—10.
- Mohr, Rudolf: *See*—  
Quandt, Hans H. 175,315.
- Moloney, Raymond T.: *See*—  
Gast, George A. 173,800.
- Monahan, Robert L.: *See*—  
Jerabek, Charles A., and Monahan. 174,325.
- Monitor Process Corp.: *See*—  
Kamp, Bruce. 175,347.
- Mooney, John J. 175,359, Cl. D48—20.
- Mooney, Raymond, to Quick-Set, Inc. 176,471, Cl. D61—1.
- Moore Business Forms, Inc.: *See*—  
Hermann, Joseph R. 176,121.
- Moore, George A. 175,360, Cl. D71—1.
- Moore, James R., Jr., and C. I. Bell, Jr. 175,849, Cl. D35—2.
- Moore, John R.: *See*—  
Gottschalk, Robert E., and Moore. 175,401.
- Gottschalk, Robert E., and Moore. 175,503.
- Moore, Lewis F., Jr., to Walker Machine & Foundry Corp. 176,472, Cl. D81—10.
- Moore, Walter E., to Knapp-Monarch Co. 174,460, Cl. D81—10.
- Moore, Walter E., to National Vendors, Inc. 174,587, Cl. D52—3.
- Moore, Walter E., to Knapp-Monarch Co. 175,267, Cl. D89—1.
- Moore, Walter E., to Knapp-Monarch Co. 175,268, Cl. D44—1.
- Moreel, Patricia. 174,290, Cl. D34—5.
- Morgan, Edwin, and T. C. Sippel, to Scotland Mills, Inc. 175,735, Cl. D92—1.
- Morgan, Edwin, and T. C. Sippel, to Scotland Mills, Inc. 175,736, Cl. D92—1.
- Morgan, Edwin, and T. C. Sippel, to Scotland Mills, Inc. 175,737, Cl. D92—1.
- Morishita, David S. 173,814, Cl. D22—3.
- Morrill, Harry L., Jr.: *See*—  
Brooks, Jay W., Scranton, and Morrill. 176,004.
- Morris, Carson J., to Geo. A. Hormel & Co. 175,436, Cl. D80—1.
- Morris, Nathan K. 174,342, Cl. D54—13.
- Morris, Ralph. 176,225, Cl. D58—6.
- Morris, Ralph. 176,226, Cl. D58—8.
- Morroni, Peter J. 176,369, Cl. D57—1.
- Morse, John M.: *See*—  
Lovett, Wendell H. 174,394.
- Mortrude, Albert D., to A. Belshaw, Inc. 174,130, Cl. D21—6.
- Mortrude, Albert D., to A. Belshaw, Inc. 174,131, Cl. D21—6.
- Motorola, Inc.: *See*—  
Klein, Edward. 176,023.
- Klein, Edward. 176,024.
- Klein, Edward. 176,025.
- Mowry, Lorenz J.: *See*—  
Shoup, Thomas E., Sholle and Mowry. 176,383.
- Moxley, Murray, to Acme Steel Co. 176,473, Cl. D14—3.
- Muench, Toni O., to Fisher, Bruce & Co. 174,050, Cl. D44—10.
- Muench, Toni O., to Fisher, Bruce & Co. 174,051, Cl. D44—15.
- Muench, Toni O., to Fisher, Bruce & Co. 175,738, Cl. D44—10.
- Muhs, Edward E. and H. K. 176,030, Cl. D58—12.
- Muhs, Helen K.: *See*—  
Muhs, Edward E. and H. K. 176,030.
- Mullen, Jerry R., to American Type Founders, Inc. 175,970, Cl. D64—17.
- Muller-Munk, Peter, to The Silex Co. 173,909, Cl. D2—3.
- Muller-Munk, Peter, to Bell & Howell Co. 175,035, Cl. D61—1.
- Muller-Munk, Peter, to Bell & Howell Co. 175,036, Cl. D61—1.
- Mullins Mfg. Corp.: *See*—  
Stanitz, Jacques. 175,570.
- Muncheryan, Hrand M. 174,052, Cl. D52—7.
- Mund, Arthur: *See*—  
Greenman, Harry D., and Mund. 174,546.
- Murdoch, Colin D. 174,095, Cl. D52—1.
- Murdock, Harold G.: *See*—  
Grodt, William F., and Murdock. 175,886.
- Murman, Bert L., to Westland Plastics, Inc. 173,964, Cl. D34—15.
- Murphy, Joseph E., and M. Schnall, to See-Qual Package Corp. 175,127, Cl. D58—26.
- Murray Ohio Mfg. Co., The: *See*—  
Schreckengost, Viktor. 175,745.
- Schreckengost, Viktor. 175,746.
- Musgrave, Orly. 175,629, Cl. D40—1.
- Mussé, Nicki L. 176,151, Cl. D83—1.
- Mustee, Bernard E., to E. L. Mustee & Sons, Inc. 175,850, Cl. D49—1.



- Mustee, E. L., & Sons, Inc.: *See*—  
Mustee, Bernard E. 175,850.
- Nagel, Eric W. 173,876, Cl. D81—25.
- Nagy, John, Jr., to Weston Electrical Instrument Corp. 175,792, Cl. D26—5.
- Nallinger, Friedrich K. H., and R. E. Uhlenhaut, to Daimler-Benz Aktiengesellschaft. 176,277, Cl. D14—3.
- Nallinger, Friedrich K. H., and R. E. Uhlenhaut, to Daimler-Benz Aktiengesellschaft. 176,278, Cl. D14—3.
- Namowitz, Audrey A., to Toymaster Products Co., Inc. 174,234, Cl. D34—15.
- Napier Co., The: *See*—  
Bertolli, Eugene E. 175,757.
- Napp, James M. 176,474, Cl. D34—5.
- Nash, Floyd M.: *See*—  
Jacuzzi, Candido, and Nash. 176,190.
- Natale, Onofrio J. 176,370, Cl. D86—10.
- National Billiard Mfg. Co., The: *See*—  
Gunklach, William H. 174,550.
- National Brush Co.: *See*—  
Racicot, Albert R. 175,365.  
Racicot, Albert R. 176,156.
- National Cash Register Co., The: *See*—  
Koons, Paul M. 175,356.
- National Dairy Products Corp.: *See*—  
Barnhart, Herbert S. 174,978.  
Barnhart, Herbert S. 175,753.
- National Distillers Products Corp.: *See*—  
Hennessy, Robert E. 175,306.
- National Lock Co.: *See*—  
Aleks, Vytant P. 175,452.  
Aleks, Vytant P. 175,751.  
Amdal, Dagfinn O. 175,453.  
Amdal, Dagfinn O. 175,454.  
Stone, Roy A. 175,483.  
Stone, Roy A. 175,865.  
Stone, Roy A. 176,085.
- National Plastic Products Co., The: *See*—  
Winer, Ephraim. 175,816.
- National Presto Industries, Inc.: *See*—  
Boldt, Melvin H. 176,002.
- National Shawmut Bank of Boston, The: *See*—  
White, Lawrence G. 174,069.
- National Silver Co.: *See*—  
Berk, Harry S. 175,008.  
Berk, Harry S. 175,009.  
Berk, Harry S. 175,100.  
Berk, Harry S. 175,101.  
Berk, Harry S. 175,927.
- National Vendors, Inc.: *See*—  
Moore, Walter E. 174,587.
- Neal, Franklin M., to Corning Glass Works. 175,739, Cl. D48—32.
- Neale, Avery C. 174,917, Cl. D44—29.
- Nellen, Arthur H., to Lee Rubber & Tire Corp. 173,877, Cl. D90—20.
- Nelson, Averd, to P. T. Lansford. 174,884, Cl. D16—2.
- Nelson, Averd G., to Preway Inc. 175,184, Cl. D81—4.
- Nelson, Ella. 175,269, Cl. D57—1.
- Nelson, Erdick. 174,343, Cl. D37—1.
- Nelson, George, to Price Brothers, Inc. 175,560, Cl. D35—3.
- Nelson, Norman E.: *See*—  
Doak, Edmond R., and Nelson. 176,110.
- Nelson, Willis N.: *See*—  
Paylak, Casimir J., and Nelson. 173,817.
- Nemzer, Roy R.: *See*—  
Goldman, Robert, and Nemzer. 173,804.  
Goldman, Robert, and Nemzer. 174,121.  
Goldman, Robert, and Nemzer. 176,183.
- Nestler, Herbert N.: *See*—  
Willinger, Harding W., and Nestler. 174,482.  
Willinger, Harding W., and Nestler. 174,522.  
Willinger, Harding W., and Nestler. 175,486.
- Nettle, Henry I. 174,096, Cl. D64—11.
- Neuendorf, James R. 173,910, Cl. D33—14.
- Neufeld, Leonard C. 175,229, Cl. D54—2.
- Nevin, Ira: *See*—  
Fader, Arthur I., and Nevin. 175,068.
- New England Vinegar Works, Inc., The: *See*—  
Barbiers, Ferdinand S. 175,145.
- Newman Mfg. and Sales Co.: *See*—  
Gale, James G. 175,302.
- Newmark, Marshall F., to Progressive Products, Inc. 175,089, Cl. D83—11.
- New Monarch Machine and Stamping Co.: *See*—  
Scanland, Joseph E. 176,157.
- Newton, Herbert B., & Co.: *See*—  
Peters, Robert M. 175,640.
- Newton, Le Roy: *See*—  
Grayson, Richard D., and Newton. 174,544.  
Grayson, Richard D., and Newton. 174,545.
- Newton, Ralph W., to John H. Breck, Inc. 175,090, Cl. D58—6.
- New York Merchandise Co., Inc.: *See*—  
Posner, George. 174,136.
- New York Shipbuilding Corp.: *See*—  
Paddock, Raymond E. 175,476.  
Theisen, John P. 174,297.  
Theisen, John P. 175,239.  
Theisen, John P. 176,389.  
Theisen, John P. 176,390.
- Nickles, Ned F.: *See*—  
Earl, Harley J., and Nickles. 175,018.  
Sipple, James H., and Nickles. 174,777.
- Nicosia-Hubbard Corp.: *See*—  
Hubbard, Leighton D. 175,167.
- Nienaber, Joseph W. 175,630, Cl. D45—4.
- Niewiarowicz, Edward S. 174,344, Cl. D31—4.
- Nihon Mishin Seizo Kabushiki Kaisha: *See*—  
Hayashi, Tadao. 176,330.  
Hayashi, Tadao. 176,331.
- Niksa, Alfred E., to Chrysler Corp. 174,461, Cl. D14—18.
- Nobis, George: *See*—  
Rowe, William, and Nobis. 175,045.
- Nobis, George V. and W. Lynen, to Bonafide Mills, Inc. 176,371, Cl. D92—17.
- Noble, Don, & Co., Inc.: *See*—  
Noble, Donald E. 174,829.
- Noble, Donald E., to Don Noble & Co., Inc. 174,829, Cl. D56—1.
- Noble, Sid, to Ideal Toy Corp. 174,588, Cl. D34—4.
- Nolt, Edwin B.: *See*—  
Eby, Richard R., Luek, McDuffie, and Nolt. 174,898.
- Norby, William C. 175,631, Cl. D48—20.
- Norcor Mfg. Co., Inc.: *See*—  
Wagner, Franz. 175,994.
- Norcross, Inc.: *See*—  
Koval, John W. 176,418.
- Nordmark, Walter E.: *See*—  
Hoven, Alfred C., and Nordmark. 175,683.
- Norgaard, Johanness. 175,971, Cl. D52—1.
- Noritake Co., Inc.: *See*—  
Inoue, Takeshi. 176,123—26.
- Normile, John, to Vega Industries, Inc. 175,632, Cl. D81—7.
- Norrick, George W.: *See*—  
Guild, Lurelle V. A., Lampe, and Norrick. 175,345.
- Norrick, Patsie S. 176,475, Cl. D34—2.
- Norris, John R. 174,053, Cl. D56—4.
- Norris, Mabel A. 174,291, Cl. D3—12.
- North Electric Mfg. Co., The: *See*—  
Robinson, James M., and Lewis. 174,098.
- North & Judd Mfg. Co.: *See*—  
Af Odencrants, Henning. 173,878.  
Odencrants, Henning A. 173,965.  
Odencrants, Henning af. 174,833.  
Odencrants, Henning Af. 175,037.  
Odencrants, Henning af. 175,437.  
Odencrants, Henning af. 175,438.  
Odencrants, Henning af. 175,704.
- North Hollywood Concrete Tile Co.: *See*—  
Clanton, Hollis L. 175,392.
- Northrop Aircraft, Inc.: *See*—  
Pfarr, John J., Stevens, and Christensen. 174,466.
- Northrop, John H.: *See*—  
Northrop, John K. and J. H. 175,793.
- Northrop, John K. and J. H. 175,793, Cl. D66—1.
- Northwest Capital Corp.: *See*—  
Hart, George D. 175,681.
- Norwood Mfg. Co., The: *See*—  
Masterson, Oliver W. 175,904.
- Notes, Hans J. 174,962, Cl. D80—10.
- Novgrad, Benjamin, to Arts and Crafts Co. 174,589, Cl. D45—10.
- Nowak, Roger L., to Van Brode Milling Co., Inc. 174,830, Cl. D44—15.
- Nowak, Roger L., to Van Brode Milling Co., Inc. 174,831, Cl. D44—10.
- Nowak, Roger L., to Van Brode Milling Co., Inc. 174,832, Cl. D44—10.
- Nowak, Roger L., to Van Brode Milling Co., Inc. 176,031, Cl. D44—15.
- Noyack, Edward, to Revlon Products Corp. 176,372, Cl. D86—10.
- nuArc Co., Inc.: *See*—  
Benson, Harold R. 174,105.
- O. K. Rubber, Inc.: *See*—  
French, Elby E. 175,214.
- Oakes, Robert H. 176,476, Cl. D48—20.
- Oakley, Richard C. 175,185, Cl. D93—3.
- Oatess, Arthur W.: *See*—  
Hueber, Carl J., and Oatess. 175,168.
- Obbink, Donald E.: *See*—  
Harris, George R., and Obbink. 174,749.
- Oberg, Gunnard A., to Blackstone Corp. 174,702, Cl. D49—1.
- O'Connor, Genevieve A.: *See*—  
O'Connor, Paul M. and G. A. 175,128.
- O'Connor, Genevieve A. 176,373, Cl. D4—3.
- O'Connor, Genevieve A. 176,374, Cl. D33—3.
- O'Connor, Paul M. and G. A. 175,128, Cl. D4—3.
- Odencrants, Henning af, to North & Judd Mfg. Co. 173,965, Cl. D17—1.
- Odencrants, Henning af, to North & Judd Mfg. Co. 174,833, Cl. D17—1.
- Odencrants, Henning af, to North & Judd Mfg. Co. 175,037, Cl. D17—1.
- Odencrants, Henning af, to North & Judd Mfg. Co. 175,437, Cl. D17—9.
- Odencrants, Henning af, to North and Judd Mfg. Co. 175,438, Cl. D17—1.
- Odencrants, Henning af, to North & Judd Mfg. Co. 175,704, Cl. D17—1.
- Oehling, Karl G. 174,189, Cl. D33—14.
- Oesterle, Frank D. 174,590, Cl. D29—23.
- Oetinger, Elmer F. 174,918, Cl. D22—3.



- O'Grady, Jerome V.: *See*—  
Bieber, Philip, and O'Grady. 176,305.
- Ohno, Richard J., to Sargent & Co. 173,848, Cl. D50—6.  
Ohno, Richard J., to Sargent & Co. 173,849, Cl. D50—6.  
Ohno, Richard J., to Sargent & Co. 173,850, Cl. D50—3.  
Ohno, Richard J., to Sargent & Co. 175,851, Cl. D10—8.
- Oldak, Harold B. 176,477, Cl. D17—14.
- Olejniczak, Tadeusz S.,  $\frac{1}{4}$  to I. Parabaniuk. 174,963, Cl. D33—3.
- Oliifers, Robert, to Olin Mathieson Chemical Corp. 173,879, Cl. D58—6.
- Oliifers, Robert, to Olin Mathieson Chemical Corp. 173,880, Cl. D58—6.
- Olin Mathieson Chemical Corp.: *See*—  
Oliifers, Robert. 173,879.  
Oliifers, Robert. 173,880.
- Oliver, James. 175,794, Cl. D47—7.
- Olsen, Edward F. 174,510, Cl. D44—15.
- Olsen, Edward F. 174,511, Cl. D44—10.
- Olsen, George. 173,995, Cl. D34—5.
- Olsen, Ralph W.: *See*—  
Tremulis, Alex S. 174,601.
- Olson, Henry L., and G. W. Florian, to Camfield Mfg. Co. 176,032, Cl. D44—26.
- Olson, John J., to Brown & Bigelow. 174,462, Cl. D74—1.
- Olson, Roy. 174,649, Cl. D15—8.
- Olsson, Frederick. 175,561, Cl. D68—1.
- Olympia Werke West G. m. b. H.: *See*—  
Demmel, Anton. 174,493.
- O'Morrow, William D., to Chemiglas, Inc. 175,038, Cl. D21—6.
- Oneida Ltd.: *See*—  
Feer, Lawrence P. 175,828.  
Perry, Frank R. 174,397.  
Perry, Frank R. 175,272.  
Perry, Frank R. 176,077.
- O'Neil, William J., to Dictaphone Corp. 176,152, Cl. D26—11.
- O'Neill, Thomas E. 175,691, Cl. D87—3.
- Onondaga Pottery Co.: *See*—  
Dutton, Lucy M. 174,218.  
Otis, Edward M. 173,815.  
Otis, Edward M. 174,463.
- Orenick, Emil H. 174,995, Cl. D44—17.
- Orenick, Emil H., to The State Tool & Die Co. 175,361, Cl. D52—2.
- Orenstein, Aaron, and L. Golling. 174,345, Cl. D56—1.
- Orthwin, Sidney O. 174,703, Cl. D3—19.
- Osten, Joseph W., Jr. 173,851, Cl. D34—15.
- Oster, John, Mfg. Co.: *See*—  
Hill, Joseph A. 176,257.  
Hill, Joseph A., and Katzfey. 176,258.  
Madl, Alfred W. 176,422.
- Ostrander, Raymond W. 174,834, Cl. D72—1.
- Oswald, Christine H. 175,475, Cl. D34—2.
- Otis, Edward M., to Onondaga Pottery Co. 173,815, Cl. D44—15.
- Otis, Edward M., to Onondaga Pottery Co. 174,463, Cl. D44—15.
- Ottavia Inc.: *See*—  
Brüninghaus, Robert. 175,710.
- Otto, Ferdinand P., to Quaker Lace Co. 175,633, Cl. D92—26.
- Otto, Ferdinand P., to Quaker Lace Co. 175,634, Cl. D92—26.
- Otto, Joseph F. 176,375, Cl. D34—15.
- Owens, Dovie A., and M. K. 174,512, Cl. D44—1.
- Owens-Illinois Glass Co.: *See*—  
Clarke, John G. 175,297.  
Lorenzen, Arnold I. 174,646.
- Owens, Myrtle K.: *See*—  
Owens, Dovie A. and M. K. 174,512.
- Oxford Metal Spinning Co., Inc.: *See*—  
Freedman, Alvin. 175,830.
- P & K Inc.: *See*—  
Sharps, George J. 175,801.
- Pabco Products Inc.: *See*—  
Johnson, George W. 175,308.
- Packer, Charles S.: *See*—  
Mell, Alfred L., and Packer. 174,287.  
Mell, Alfred L., and Packer. 174,288.  
Mell, Alfred L., and Packer. 174,289.
- Paddock, Raymond E., to New York Shipbuilding Corp. 175,476, Cl. D58—17.
- Pagliaro, Adam T. 175,635, Cl. D3—13.
- Pagratris, Peter S.: *See*—  
Tremulis, Alex S. 174,601.
- Paine, Karl A., Jr., to Duro Metal Products Co. 174,919, Cl. D54—2.
- Painter, David L. 175,270, Cl. D71—1.
- Palace Corp.: *See*—  
Wait, Clyde F., and Cole. 176,166.
- Paley, Albert A. 175,562, Cl. D14—6.
- Palma, Joseph, Jr., to The Dazey Corp. 173,911, Cl. D74—21.
- Palma, Joseph, Jr., to The Dazey Corp. 175,477, Cl. D89—1.
- Palma, Joseph, Jr., and C. A. Leubner, to G. M. Laboratories Inc. 173,996, Cl. D61—1.
- Palma, Joseph, Jr., and J. G. Knapp, to American-Marietta Co. 175,439, Cl. D80—9.
- Palmer, Richard M. 175,795, Cl. D82—2.
- Palmer, Richard M. 175,796, Cl. D82—2.
- Palo, Maurice M. 174,704, Cl. D26—14.
- Palo, Maurice M., to The Astatic Corp. 175,440, Cl. D26—14.
- Palombi, Mario: *See*—  
De Bernardi, Anthony, and Palombi. 175,714.
- Pan American Modes, Inc.: *See*—  
Taicher, Leonard L. 174,476.
- Panavision, Inc.: *See*—  
Gottschalk, Robert E., and Moore. 175,401.  
Gottschalk, Robert E., and Moore. 175,503.
- Pancotti, Edward. 176,478, Cl. D56—1.
- Pancotti, Mario. 175,972, Cl. D56—1.
- Pandolfi, Ernest. 174,513, Cl. D47—7.
- Papadakos, Peter J., to Gyrodyne Co. of America, Inc. 175,852, Cl. D71—1.
- Papadakos, Peter J., to Gyrodyne Company of America, Inc. 176,377, Cl. D71—1.
- Pappas, Jerome M., Jr.: *See*—  
Peterson, Charles P., and Pappas. 176,479.
- Par Beverage Co.: *See*—  
Steiner, Albert M. 175,653.
- Parabaniuk, Iwan: *See*—  
Olejniczak, Tadeusz S. 174,963.
- Paragon Electric Co.: *See*—  
Platt, Edward V. 174,515.  
Platt, Edward V. 174,921.
- Paris, Harry. 174,885, Cl. D87—3.
- Parisi, Charles T. 176,428, Cl. D45—9.
- Park, Malcolm S., to The Singer Mfg. Co. 174,132, Cl. D70—1.
- Park, Malcolm S., to The Singer Mfg. Co. 175,636, Cl. D70—1.
- Park, Malcolm S., to The Singer Mfg. Co. 175,637, Cl. D70—1.
- Park, Malcolm S., to The Singer Mfg. Co. 175,638, Cl. D70—1.
- Park, Malcolm S., to The Singer Mfg. Co. 175,639, Cl. D70—1.
- Park, Malcolm S., to The Singer Mfg. Co. 175,973, Cl. D70—1.
- Park Sherman Co.: *See*—  
Sherman, Jacob S. 175,859.  
Sherman, Jacob S. 175,860.  
Sherman, Jacob S. 175,861.
- Parker, Edwin L. 176,376, Cl. D54—2.
- Parker, J. Royal, and J. A. Idank, to The Lazy Golfer Corp. 174,346, Cl. D34—5.
- Parker, J. Royal, and J. A. Idank, to The Lazy Golfer Corp. 174,347, Cl. D34—5.
- Parmet, Albert, to Par-Metal Products Corp. 175,563, Cl. D26—5.
- Par-Metal Products Corp.: *See*—  
Parmet, Albert. 175,563.
- Parsell, Mason R., to The Buck Glass Co., Inc. 174,591, Cl. D58—8.
- Parsons, Frances D.: *See*—  
Parsons, Samuel W., J. R., and F. D. 174,920.
- Parsons, John R.: *See*—  
Parsons, Samuel W., J. R., and F. D. 174,920.
- Parsons, Samuel W., J. R., and F. D. 174,920, Cl. D58—2.
- Parsons, Von E. 173,816, Cl. D34—15.
- Partridge, Herbert L. J. 174,190, Cl. D3—19.
- Pascal, Colin E., to Lloyd, Pascal and Co. Ltd. 175,519, Cl. D29—20.
- Paseka, Archie A. 175,230, Cl. D14—6.
- Passarelli, Josette E. 175,091, Cl. D3—11.
- Passet, Robert, to Societe Industrielle de Lunetterie. 174,514, Cl. D57—1.
- Passwater, George M. 175,478, Cl. D48—20.
- Pastor, Sheldon L., and E. R. Russell, to Revere Camera Co. 175,441, Cl. D26—14.
- Pas Yotis, Thomas. 176,227, Cl. D48—4.
- Patent License Corp.: *See*—  
Schwenkler, Norbert H. 176,042.
- Patience, David, Jr., to Rembrandt Lamp Corp. 175,974, Cl. D48—13.
- Patriarca, Domenico. 175,442, Cl. D80—9.
- Patrick, Kenneth A. 174,705, Cl. D82—2.
- Patrick, Merlyn J. 173,912, Cl. D85—2.
- Patriquin, George T., to Lockwood Hardware Mfg. Co. 176,279, Cl. D50—6.
- Patriquin, George T., to Lockwood Hardware Mfg. Co. 176,280, Cl. D50—6.
- Patriquin, George T., to Lockwood Hardware Mfg. Co. 176,281, Cl. D50—6.
- Patriquin, George T., to Lockwood Hardware Mfg. Co. 176,282, Cl. D50—6.
- Patriquin, George T., to Lockwood Hardware Mfg. Co. 176,283, Cl. D50—6.
- Patterson Foundry & Machine Co., The: *See*—  
Cawood, Richard L. 174,797.
- Patterson, Richard K.: *See*—  
Cosler, Arthur S., Jr., and Patterson. 173,795.
- Pattis, David. 176,033, Cl. D48—32.
- Pattis, David. 176,034, Cl. D48—32.
- Patton, Harvey R. 175,271, Cl. D13—1.
- Paul, Wilhelm H., and E. F. Trenkle, to Uhrenfabrik Villingen J. Kaiser G. m. b. H. 174,464, Cl. D42—7.
- Paulson, William J.,  $\frac{1}{2}$  to R. L. Camp. 176,378, Cl. D17—1.
- Paulson, William L. 174,835, Cl. D41—1.
- Pavlak, Casimir J., and W. N. Nelson, to Preway, Inc. 173,817, Cl. D81—4.
- Paxton, Worthen, to Airkem, Inc. 174,465, Cl. D16—2.
- Pearl, Curtis F. 173,881, Cl. D15—6.
- Pearlstine, Morton. 175,186, Cl. D15—11.
- Peck, Mary F., to The H. W. Gossard Co. 174,054, Cl. D20—2.
- Peerless Corp., The: *See*—  
Steinbook, Max. 174,144.  
Steinbook, Max. 174,721.



- Peerless Mfg. Co.: *See*—  
Kousens, Elizabeth E. 175,262.  
Pehrson, Howard V., to U. O. Colson Co. 174,191, Cl. D74—5.  
Peirce, Charles P.: *See*—  
Steinbach, Emil C. 175,523.  
Pellegrino, Thomas D. 176,153, Cl. D72—1.  
Pelsue, Thurman A., and L. W. Braa. 176,429, Cl. D81—10.  
Perez, William. 174,292, Cl. D81—10.  
Perez, William. 175,187, Cl. D81—10.  
Perkins, George D.: *See*—  
Crandell, Frank F., and Perkins. 174,162.  
Perlman, Arnold, to Helene Pessl, Inc. 174,055, Cl. D86—10.  
Perlman, Henry S.: *See*—  
Mango, Joseph R. 175,086.  
Perlman, Paul E.: *See*—  
Mango, Joseph R. 175,086.  
Perrault, Art, and C. V. Harvey. 173,882, Cl. D26—1.  
Perry, Frank R., to Oneida Ltd. 174,397, Cl. D54—12.  
Perry, Frank R., to Oneida Ltd. 175,272, Cl. D54—12.  
Perry, Frank R., to Oneida, Ltd. 176,077, Cl. D54—12.  
Perry, Frank R., to Empire Crafts Corp. 176,078, Cl. D54—12.  
Persico, Ralph W., to the United States of America as represented by the Secretary of the Army. 174,133, Cl. D3—26.  
Pessl, Helene, Inc.: *See*—  
Perlman, Arnold. 174,055.  
Petertil, Victor A., to I. D. E. A., Inc. 176,480, Cl. D56—4.  
Petertil, Victor A., to I. D. E. A., Inc. 176,481, Cl. D56—4.  
Peters, Lewis E. 176,228, Cl. D38—8.  
Peters, Mary W. 174,996, Cl. D34—2.  
Peters, Robert M., to Herbert B. Newton & Co. 175,640, Cl. D92—1.  
Petersen, Thorvald. 174,706, Cl. D54—13.  
Peterson, Charles P., and J. M. Pappas, Jr. 176,479, Cl. D52—3.  
Peterson, Robert: *See*—  
Burchstead, Ralph E., and Peterson. 175,823.  
Peterson, Ulman B.: *See*—  
Johnson, Warren A., and Peterson. 174,041.  
Johnson, Warren A., and Peterson. 175,259.  
Peteryl, Sidney V., to Food Machinery and Chemical Corp. 174,134, Cl. D65—1.  
Petitclair, Louis A. 176,154, Cl. D17—2.  
Petker, Al. 174,886, Cl. D58—11.  
Petlewski, Paul J.: *See*—  
Squier, John M., Fales, McIntosh, Balmer, and Petlewski. 175,804.  
Petrasek, Edward J., W. A. and R., and W. Rutkowski. 175,905, Cl. D31—4.  
Petrasek, Rudolph: *See*—  
Petrasek, Edward J., W. A. and R., and Rutkowski. 175,905.  
Petrasek, William A.: *See*—  
Petrasek, Edward J., W. A. and R., and Rutkowski. 175,905.  
Petrick, Russell E. 174,887, Cl. D61—1.  
Petroff, Dimitar. 174,192, Cl. D3—26.  
Petter, Noel A., to Standard Paper Box Corp. 175,479, Cl. D80—9.  
Pettibone, Charles L., to The B. L. Marble Chair Co. 174,592, Cl. D15—1.  
Pfarr, John J., W. P. Stevens, Jr., and N. B. Christensen, to Northrop Aircraft, Inc. 174,466, Cl. D71—1.  
Philippe, Alfred, to Trifari, Krussman & Fishel, Inc. 173,997, Cl. D45—9.  
Philippe, Alfred, to Trifari, Krussman & Fishel, Inc. 174,348, Cl. D45—9.  
Philippe, Alfred, to Trifari, Krussman & Fishel, Inc. 174,650, Cl. D45—9.  
Phillips, Hyman, to Oscar Phillips Co. 175,188, Cl. D48—23.  
Phillips, Joseph W.: *See*—  
Svenson, Ernest J., and Phillips. 174,783.  
Phillips, Oscar, Co.: *See*—  
Phillips, Hyman. 175,188.  
Phillips, William F. 175,906, Cl. D26—14.  
Phil-Mar Corp.: *See*—  
Barnaby, Lee. 174,608.  
Phinney, Earl R., to S. Briskman. 174,707, Cl. D22—5.  
Phoenix Glass Co., The: *See*—  
Ensign, Robert H. 174,318.  
Ensign, Robert H., and Jerabek. 174,219.  
Jerabek, Charles A., and Monahan. 174,325.  
Photo Research Corp.: *See*—  
Crandell, Frank F., and Perkins. 174,162.  
Piatti, Sanzio P. V. 175,975, Cl. D90—8.  
Pickard, Bernard H., and L. G. McIntosh, to Steam Electric Products Ltd. 174,593, Cl. D49—6.  
Picker X-Ray Corp. Waite Mfg. Division, Inc.: *See*—  
Graves, Edward B. 176,113.  
Pickwick Co.: *See*—  
Pitts, Robert D. 175,231.  
Pierce, Walter C., Jr. 175,189, Cl. D44—6.  
Pietraszek, Thaddeus A.: *See*—  
Martin, Frank S., Pietraszek, and Dornik. 176,470.  
Pifer, Marion J., to Sylvania Electric Products Inc. 175,641, Cl. D56—4.  
Pignone, Joseph, to Weston Electrical Instrument Corp. 175,797, Cl. D26—5.  
Pilkey, Harold W.: *See*—  
King, Henry T., and Pilkey. 175,172.  
King, Henry T., and Pilkey. 175,552.  
Pilot Full Fashion Mills, Inc.: *See*—  
Pons, Onesime H. 174,135.  
Pini, Andreas. 174,708, Cl. D7—7.  
Pinkus, George E., to Great Lakes Stamping & Mfg. Co. 174,193, Cl. D14—3.  
Pinto, Frank. 174,467, Cl. D34—15.  
Pitts, Robert D., to Pickwick Co. 175,231, Cl. D12—2.  
Plant Products Corp.: *See*—  
Martin, Warren S. 175,627.  
Plasti-Print, Inc.: *See*—  
Hoffhines, James R., and Thomas. 175,307.  
Platt, Edward V., to Paragon Electric Co. 174,515, Cl. D81—10.  
Platt, Edward V., to Paragon Electric Co. 174,921, Cl. D81—10.  
Plax Corp.: *See*—  
Hills, David G. 175,598.  
St. Clair, Melvin E. 175,095.  
Pochard, Robert J. 174,349, Cl. D34—15.  
Polaroid Corp.: *See*—  
Teague, Walter D., Bing, Ensign, Fairbank, and Hunter. 175,571.  
Polincovsky, Jack. 175,363, Cl. D22—3.  
Polite, Roosevelt I.: *See*—  
Ecoff, Ralph S. 174,494.  
Polivka, John N.: *See*—  
Beale, Dorr D., Polivka, and Scharfenberg. 173,891.  
Polk, Emil S. 175,092, Cl. D54—12.  
Polk, Emil S. 175,093, Cl. D54—12.  
Polk, Emil S. 175,853, Cl. D22—3.  
Pollock, Albert E. 175,364, Cl. D48—27.  
Pollock, Earl S.: *See*—  
Mayer, Charles M., and Pollock. 175,847.  
Pons, Onesime H., to Pilot Full Fashion Mills, Inc. 174,135, Cl. D47—7.  
Poole, Myron C., and R. C. Goettsche, to Holan Engineering Co., Inc. 174,922, Cl. D14—3.  
Pope, Rebecca O. 173,852, Cl. D9—2.  
Portanova, Joseph D., to Hoffman Radio Corp. 173,998, Cl. D56—4.  
Portanova, Joseph D., to Hoffman Radio Corp. 174,056, Cl. D56—4.  
Portanova, Joseph D., and J. Stevens, to Hoffman Radio Corp. 174,997, Cl. D56—4.  
Portanova, Joseph D., and J. Stevens, to Hoffman Radio Corp. 175,129, Cl. D56—4.  
Porter-Cable Machine Co.: *See*—  
Bentley, John G. 176,001.  
Doman, David T. 175,825.  
Porter, Richard O., Sr. 173,853, Cl. D31—4.  
Posner, George, to New York Merchandise Co., Inc. 174,136, Cl. D34—15.  
Postal, Seymour. 173,883, Cl. D80—10.  
Potter, Ralph E. 176,284, Cl. D56—1.  
Powell, David. 175,642, Cl. D34—5.  
Power Products Corp.: *See*—  
Stevens, Brooks. 174,145.  
Stevens, Brooks. 175,136.  
Powers, Milton A., and R. C. Champlin, to Skuttle Mfg. Co. 175,520, Cl. D62—4.  
Pratt, Theodore. 174,651, Cl. D35—2.  
Preble, Harry, Jr.: *See*—  
Green, Xan B. K., and Preble. 174,745.  
Prestinari, Eugen F., to Gemex Co. 173,854, Cl. D45—4.  
Presto Lock Co.: *See*—  
Gehrie, Charles S. 175,163.  
Gehrie, Charles S. 176,011.  
Preston, Burnham G. 175,740, Cl. D34—5.  
Preti, Giuseppe: *See*—  
Berland, Jacob B., and Preti. 176,094.  
Preway, Inc.: *See*—  
Nelson, Averd G. 175,184.  
Pavlak, Casimir J., and Nelson. 173,817.  
Price Brothers, Inc.: *See*—  
Nelson, George. 175,560.  
Price, Emma B. 175,798, Cl. D58—2.  
Price, Leo, to Winslow Mfg. Co. 175,039, Cl. D52—1.  
Price, Leo. 176,482, Cl. D52—1.  
Prichard, Patricia A., to E-Z Mills, Inc. 175,976, Cl. D92—1.  
Prichard, Patricia A., to E-Z Mills, Inc. 175,977, Cl. D92—1.  
Prip, John A., to Hickok Mfg. Co. Inc. 176,079, Cl. D17—1.  
Prisland, Theodore, to C. Cretors & Co. 176,080, Cl. D81—10.  
Prochaska, Catherine P., to The Warner Brothers Co. 174,194, Cl. D20—2.  
Proctor Electric Co.: *See*—  
May, Robert A. 176,275.  
Progressive Products, Inc.: *See*—  
Newmark, Marshall F. 175,089.  
Punzak, Joseph F., to United Metal Goods Mfg. Co., Inc. 174,836, Cl. D42—7.  
Punzak, Joseph F., to United Metal Goods Mfg. Co., Inc. 176,081, Cl. D42—7.  
Purse-Lite, Inc.: *See*—  
Crockett, John W. 175,933.  
Puzey, Jerome D., and F. T. Bloyd. 176,082, Cl. D48—20.  
Quaker Lace Co.: *See*—  
Binns, Thomas W. 175,582.  
Castorani, Francesco P. 174,674.  
Castorani, Francesco P. 174,675.  
Otto, Ferdinand P. 175,633.  
Otto, Ferdinand P. 175,634.  
Waldman, Thelma. 174,724.  
Waldman, Thelma. 175,659.  
Wolf, William. 175,661.  
Quandt, Hans H., to R. Mohr. 175,315, Cl. D48—27.



- Quandt, Robert S.: *See*—  
Arbib, Richard H., and Quandt. 175,143.
- Quick-Set, Inc.: *See*—  
Mooney, Raymond. 176,471.
- Quikut, Inc.: *See*—  
Carroll, Lawrence K. 175,248.
- R. F. D. Co. Ltd.: *See*—  
Mitchell, Sidney. 174,585.
- Rabb, Irving L., to Grebar Toys Inc. 176,155, Cl. D34—15.
- Race, Ernest D., to Ernest Race Limited. 175,040, Cl. D15—11.
- Race, Ernest, Limited: *See*—  
Race, Ernest D. 175,040.
- Racicot, Albert R., to National Brush Co. 175,365, Cl. D9—2.
- Racicot, Albert R., to National Brush Co. 176,156, Cl. D9—2.
- Racine Stamping Corp.: *See*—  
Foreman, Howard A. and H. E. 174,171.
- Radaelli, Enrico. 174,468, Cl. D44—26.
- Radio Frequency Laboratories, Inc.: *See*—  
Harris, Campbell D. 175,216.
- Radion Corp.: *See*—  
Leonard, Ralph N., and Hills. 175,423.
- Rahauser, Robert E. 175,907, Cl. D14—3.
- Rahauser, Robert E. 175,908, Cl. D14—3.
- Rahauser, Robert E. 175,909, Cl. D14—3.
- Rahauser, Robert E. 175,910, Cl. D14—3.
- Rahauser, Robert E. 175,911, Cl. D14—3.
- Raines, Elizabeth. 173,966, Cl. D34—4.
- Raines, Elizabeth. 173,967, Cl. D34—2.
- Raines, Elizabeth. 173,968, Cl. D34—2.
- Raines, Elizabeth. 173,969, Cl. D34—2.
- Raker, Myron E. 176,285, Cl. D14—3.
- Raldon Mfg. Co.: *See*—  
Lawrence, Ralph E. 175,784.
- Randall, A. L., Co.: *See*—  
Tredup, Fred W. 175,698.
- Randall, Walter H., to Keyes Fibre Co. 176,035, D44—10.
- Rapaport, Gerald M. 175,912, Cl. D34—15.
- Rappaport, Samuel. 176,036, Cl. D33—14.
- Rappoport, Seymour, to Ronson Corp. 175,564, Cl. D48—27.
- Rasmussen, Louis: *See*—  
Rasmussen, Randall. 174,652.
- Rasmussen, Randall. 174,653.
- Rasmussen, Randall. 174,654.
- Rasmussen, Randall. 174,655.
- Rasmussen, Louis, 15% to R. R. Rasmussen. 174,964, Cl. D56—4.
- Rasmussen, Randall, 15% to L. Rasmussen. 174,652, Cl. D56—4.
- Rasmussen, Randall, 15% to L. Rasmussen. 174,653, Cl. D56—4.
- Rasmussen, Randall, 15% to L. Rasmussen. 174,654, Cl. D56—4.
- Rasmussen, Randall, 15% to L. Rasmussen. 174,655, Cl. D56—4.
- Rasmussen, Randall R.: *See*—  
Rasmussen, Louis. 174,964.
- Rauchman, Alexander. 174,656, Cl. D56—4.
- Rauchman, Alexander. 174,709, Cl. D56—4.
- Rauchman, Alexander. 175,273, Cl. D56—4.
- Rauchman, Alexander. 176,229, Cl. D56—4.
- Ravenware Co., Inc., The: *See*—  
Galef, Richard G. 174,255.
- Galef, Richard G. 174,744.
- Ray, William A., and H. W. Vaughn, to General Controls Co. 175,854, Cl. D52—7.
- Ray, William A., and L. C. Biggle, to General Controls Co. 176,483, Cl. D78—1.
- Rayner, Sidney, to Falk, Stadelmann & Co. Ltd. 174,888, Cl. D48—4.
- Ray-O-Vac Co.: *See*—  
Klotz, Edward C., Jr. 175,511.
- Klotz, Edward C., Jr. 175,512.
- Klotz, Edward C., Jr. 175,513.
- Klotz, Edward C., Jr. 175,514.
- Klotz, Edward C., Jr. 176,465.
- Raytheon Mfg. Co.: *See*—  
Ball, Eldon W., and Floyd. 175,207.
- Marholz, Richard C. 173,811.
- Reachi, Ramon. 174,398, Cl. D48—20.
- Realistic Co., The: *See*—  
Champion, Warren W. 175,014.
- Redwing Ltd.: *See*—  
Hammond, Charles T. 173,844.
- Reed, Raymond G. 176,484, Cl. D52—1.
- Reene, Charles W., to The Hough Shade Corp. D. Re. 23,944, Cl. D13—1.
- Regina Corp., The: *See*—  
Verhagen, Edward L. 174,842.
- Reich, Max, to Combex Ltd. 174,350, Cl. D34—15.
- Reichman, Harry A. 174,351, Cl. D14—6.
- Reichman, Stella. 175,232, Cl. D87—3.
- Reichman, Stella. 175,233, Cl. D87—3.
- Reid, Carlyn C. 176,430, Cl. D34—15.
- Reid, Donald J., to Studebaker-Packard Corp. 175,855, Cl. D14—30.
- Reid, Walter W., III, to Charms Co. 175,190, Cl. D52—4.
- Reif, Rubin, to American Arts & Crafts, Inc. 175,643, Cl. D34—15.
- Reinecke, Jean O., to Continental Scale Corp. 173,913, Cl. D52—10.
- Reinecke, Jean O., to The Alliance Mfg. Co. 174,235, Cl. D26—14.
- Reinecke, Jean O., to Hawley Products Co. 174,594, Cl. D58—12.
- Reinecke, Jean O., to Modine Mfg. Co. 174,595, Cl. D81—10.
- Reinecke, Jean O., to U. O. Colson Co. 175,274, Cl. D74—5.
- Reinecke, Jean O., to Federal Tool Corp. 175,521, Cl. D44—1.
- Reinecke, Jean O., to Federal Tool Corp. 176,083, Cl. D58—17.
- Reineman, Richard G.: *See*—  
Chapman, David, and Reineman. 173,835.
- Reineman, Richard G., to The Brunswick-Balke-Collender Co. 174,469, Cl. D33—7.
- Reineman, Richard G., to The Brunswick-Balke-Collender Co. 174,923, Cl. D33—7.
- Reineman, Richard G., to The Brunswick-Balke-Collender Co. 175,644, Cl. D34—5.
- Reineman, Richard G., to The Brunswick-Balke-Collender Co. 175,645, Cl. D34—5.
- Reineman, Richard G., to The Brunswick-Balke-Collender Co. 175,646, Cl. D34—5.
- Reinicke, Robert W., to Ekco Products Co. 175,978, Cl. D44—1.
- Reinicke, Robert W., to Ekco Products Co. 175,979, Cl. D44—1.
- Reinicke, Robert W., to Ekco Products Co. 175,980, Cl. D44—1.
- Reinicke, Robert W., to Ekco Products Co. 176,379, Cl. D44—1.
- Reiser, George C., to Toledo Scale Co. 175,041, Cl. D52—10.
- Reiser, John H., to Wallace China Co., Ltd. 174,596, Cl. D44—15.
- Reising, Harry A. 174,195, Cl. D29—28.
- Rembrandt Lamp Corp.: *See*—  
Patience, David, Jr. 175,974.
- Spence, Edmond J. 174,402.
- Remco Industries, Inc.: *See*—  
Heller, Isaac. 174,989.
- Heller, Isaac. 175,073.
- Remington Rand Inc.: *See*—  
Streng, Jan. 175,195.
- Renard, Winford G.: *See*—  
Hope, David G., Filipowicz, Renard, and Wiggins. 175,599.
- Renard, Winford G., and R. B. Wiggins, to Fort Howard Paper Co. 173,855, Cl. D44—24.
- Renner, Carl H., to General Motors Corp. 174,399, Cl. D14—6.
- Renzo, Peter C., to Gier-Bath Gear and Pump Co., Inc. 173,856, Cl. D65—1.
- Restwell Mfg. Co.: *See*—  
Faller, Frank. 175,106.
- Rettie, George W., to B. Lane. 174,965, Cl. D34—5.
- Rettman, Robert J., to Jas. H. Matthews & Co. 173,857, Cl. D79—2.
- Rettman, Robert J., to Jas. H. Matthews & Co. 173,858, Cl. D79—2.
- Revere Camera Co.: *See*—  
Pastor, Sheldon L., and Russell. 175,441.
- Revlon Products Corp.: *See*—  
Guild, Lurette. 176,320.
- Guild, Lurette, and Manville. 176,321—176,325.
- Guild, Lurette, and Wolff. 176,326.
- Guild, Lurette, and Wolff. 176,327.
- Manville, Henrietta P. 176,363.
- Manville, Henrietta P. 176,364.
- Noyack, Edward. 176,372.
- Wolff, Raymond W. 176,394.
- Wolff, Raymond W. 176,395.
- Reynolds, Carl, to Allen Electric & Equipment Co. 173,999, Cl. D26—5.
- Reynolds, Carl, Jr., to Avco Mfg. Co. 175,647, Cl. D67—3.
- Reynolds, Frederick, to Chrysler Corp. 175,565, Cl. D14—6.
- Reynolds, Frederick, to Chrysler Corp. 175,566, Cl. D14—18.
- Reynolds Industries, Inc.: *See*—  
Griffin, Alvah M. 175,466.
- Larsen, Melvin J. 176,360.
- Rhoades, Nolan, to Garton Toy Co. 176,037, Cl. D34—15.
- Riba, Morris. 175,042, Cl. D42—7.
- Richards Co., The: *See*—  
Hull, Catherine W. 174,323.
- Richards, Helen. 175,362, Cl. D44—29.
- Richer, Benjamin F., Jr.: *See*—  
Cole, Thomas W., Combs, Richer, and Schaefer. 174,491.
- Richland, Lucile B., and R. Ettlinger, Jr. 175,567, Cl. D81—10.
- Ricketts, Russell D., and C. J. Roach. 175,043, Cl. D26—1.
- Riesch, Edward J. 174,000, Cl. D72—1.
- Ripley, Charles C., to Hycon Mfg. Co. 174,773, Cl. D61—1.
- Rischpater, Joyce W., to Mayer China Co. 174,470, Cl. D44—15.
- Ritter, Edwin E., to Hugh H. Eby, Inc. 174,057, Cl. D26—14.
- Rivas, Ann. 176,038, Cl. D33—3.
- Rizek, Paul. 174,097, Cl. D85—2.
- Roach, Charles J.: *See*—  
Ricketts, Russell D., and Roach. 175,043.
- Roakes, Merritt R.: *See*—  
Waugh, George C. 175,700.
- Roakes, Robert R.: *See*—  
Waugh, George C. 175,700.
- Robbins, Everett: *See*—  
Hayes, Dewey O., and Robbins. 176,017.
- Robbins, Lloyd M. 174,196, Cl. D3—19.
- Roberk Co., The: *See*—  
Karp, Martin E. 174,433.
- Roberts, Howard R. 174,657, Cl. D48—20.



- Roberts, Howard R. 174,658, Cl. D48—20.  
 Robertshaw-Fulton Controls Co.: *See*—  
   Keck, Henry C. 175,348.  
 Robertson, Charlotte R. B.: *See*—  
   Bletcher, Ralph E., and Ward. 175,102.  
 Robertson, David: *See*—  
   Wait, Louis S. 175,812.  
 Robertson, F. K., Mrs.: *See*—  
   Bletcher, Ralph E., and Ward. 175,102.  
 Robertson, Frederick K.: *See*—  
   Bletcher, Ralph E., and Ward. 175,102.  
 Robinette, Richard T.: *See*—  
   Altman, Peter, Bakke, and Robinette. 174,976.  
 Robin Hood Co.: *See*—  
   Heller, Isaac. 175,834.  
 Robinson, Allan. 174,516, Cl. D74—5.  
 Robinson, Allan. 174,924, Cl. D85—2.  
 Robinson, James M., and D. A. Lewis, to The North Electric Mfg. Co. 174,098, Cl. D26—14.  
 Robinson, Lewis E. 175,799, Cl. D74—10.  
 Roby, Horace H., to Roby-Hutton. 175,522, Cl. D71—1.  
 Roby-Hutton: *See*—  
   Roby, Horace H. 175,522.  
 Roccia, Ralph. 175,316, Cl. D38—1.  
 Rodale, Jerome I., and C. L. Smith, Jr., to Rodale Mfg. Co., Inc. 176,039, Cl. D26—13.  
 Rodale Mfg. Co., Inc.: *See*—  
   Rodale, Jerome I., and Smith, Jr. 176,039.  
 Rodefeld, William H. 173,859, Cl. D85—2.  
 Rodefeld, William H. 174,293, Cl. D85—2.  
 Rodefeld, William H. 175,044, Cl. D85—2.  
 Rodier, Edward H. 175,568, Cl. D44—29.  
 Rodriguez, Emil, to Jacoby-Bender, Inc. 175,692, Cl. D45—4.  
 Rodriguez, Emil, to Jacoby-Bender, Inc. 175,693, Cl. D45—4.  
 Rogalla, Frank. 175,913, Cl. D71—1.  
 Rogers, Foreman A.: *See*—  
   Holtzclaw, Richard T. 175,074.  
 Rogers, Lunt & Bowlen Co.: *See*—  
   Bowlen, Nord. 174,157.  
 Rogers, Willie L. 173,818, Cl. D74—1.  
 Rohweder, Glenn W.: *See*—  
   Witzel, Homer D., and Rohweder. 174,788.  
 Roman, Edward: *See*—  
   Stawniak, Edwin E., and Roman. 175,806.  
 Romine, Forrest L. 175,275, Cl. D54—9.  
 Ronson Corp.: *See*—  
   Rappoport, Seymour. 175,564.  
 Roper, Geo. D., Corp.: *See*—  
   Stuman, Jack B. 174,066.  
 Rose, D. A.: *See*—  
   Wait, Louis S. 175,812.  
 Rosenberg, Julius. 174,001, Cl. D26—10.  
 Rosenthal-Block China Corp., The: *See*—  
   Barnhart, A. Baker. 174,368—174,372.  
   Barnhart, A. Baker. 176,057.  
   Barnhart, A. Baker. 176,058.  
 Rosenthal, William. 174,597, Cl. D48—20.  
 Rosenthal, William, to Maiden Form Brassiere Co., Inc. 175,741, Cl. D20—4.  
 Ross, Aaron L., to House of Rousseau, Ltd. 174,137, Cl. D45—1.  
 Ross, Alexander. 174,099, Cl. D80—8.  
 Ross, Alfred. 174,058, Cl. D58—2.  
 Ross, Allan, to Bell Products Co. 176,485, Cl. D34—15.  
 Ross, Arthur, to General Motors Corp. 175,191, Cl. D14—6.  
 Ross, Arthur, and R. J. Scheelk, to General Motors Corp. 176,286, Cl. D14—3.  
 Ross, Howard V. 174,471, Cl. D13—1.  
 Ross, Violet C., and J. Hall. 175,648, Cl. D85—2.  
 Rossi, Paul. 174,100, Cl. D34—5.  
 Roth, Andrew, to Kuehne Mfg. Co. 174,472, Cl. D15—1.  
 Roth, Samuel C. 175,130, Cl. D61—1.  
 Rotron Mfg. Co., Inc.: *See*—  
   Van Rijn, Jacobus C. 174,148.  
 Rowan, Frederick J., to E. Kaufmann. 175,856, Cl. D44—25.  
 Rowe, William, and G. Nobis, to Bonafide Mills, Inc. 175,045, Cl. D92—17.  
 Rubeck, Sidney. 175,234, Cl. D48—20.  
 Rubeck, Sidney. 175,981, Cl. D17—3.  
 Rubeck, Sidney. 176,287, Cl. D58—11.  
 Rubin, Arthur, to Lynn Craft Shoe Corp. 176,230, Cl. D7—7.  
 Rubin, Samuel J. 175,046, Cl. D61—1.  
 Rubinstein, Helena, Inc.: *See*—  
   Sison, Victor. 175,747.  
 Rudolph, Charles A., to Chicopee Mills, Inc. 173,914, Cl. D92—1.  
 Ruiz, Doris R.: *See*—  
   Ruiz, Joe and D. R. 175,742.  
 Ruiz, Joe and D. R. 175,742, Cl. D5—5.  
 Ruskin, Henry, to Speed Products Co., Inc. 175,094, Cl. D74—1.  
 Russell, Eugene R.: *See*—  
   Pastor, Sheldon L., and Russell. 175,441.  
 Russell, John J. 174,598, Cl. D4—3.  
 Russell, Linus E. 174,659, Cl. D14—6.  
 Russell, William J., to Landers, Frary & Clark. 175,982, Cl. D49—6.  
 Russo, John R. 174,138, Cl. D14—6.  
 Rutan, Earl F. 175,743, Cl. D14—3.  
 Ruth, Albert. 176,486, Cl. D34—15.  
 Rutkowski, Walter: *See*—  
   Petrasek, Edward J., W. A. and R., and Rutkowski. 175,905.  
 Rutter, Sheldon M., to Kroehler Mfg. Co. 175,131, Cl. D15—11.  
 Rutter, Sheldon, to Tyler Refrigeration Corp. 175,276, Cl. D80—11.  
 Ryan, George R.: *See*—  
   Fields, Mack R., Ryan, and McMinn. 174,985.  
 Ryden, Harold S., to Interstate Precision Products Corp. 175,857, Cl. D9—2.  
 Ryden, John V., to Vick Chemical Co. 175,649, Cl. D58—8.  
 Sackstein, Jacob. 176,231, Cl. D54—13.  
 Sadinoff, Max. 175,192, Cl. D47—6.  
 Sadinoff, Max. 175,277, Cl. D47—6.  
 Sadler, Helen K. 174,139, Cl. D31—2.  
 Sado, Maurice D. 176,084, Cl. D81—10.  
 Saia, Salvatore R. 175,650, Cl. D34—15.  
 St. Clair, Melvin E., to Plax Corp. 175,095, Cl. D58—26.  
 Salm, Arthur, Inc.: *See*—  
   Bordelon, Sam H. 173,784.  
   Bordelon, Sam H. 173,785.  
   Bordelon, Sam H. 173,786.  
 Sanders Associates Inc.: *See*—  
   Shomphe, George J. 174,005.  
 Sanders, Charles W.: *See*—  
   Janes, Richard B., and Sanders. 175,111.  
   Janes, Richard B., and Sanders. 175,112.  
 Sandhaus, Samuel. 174,059, Cl. D3—9.  
 Sandin, Ray C., to General Electric Co. 174,966, Cl. D67—3.  
 Sandin, Ray C., to General Electric Co. 174,998, Cl. D81—25.  
 Sandler, A., Co.: *See*—  
   Sandler, Jack. 174,473.  
   Sandler, Jack. 175,983.  
 Sandler, Jack, to A. Sandler Co. 174,473, Cl. D7—7.  
 Sandler, Jack, to A. Sandler Co. 175,983, Cl. D7—7.  
 Sandler, William B. 175,984, Cl. D14—6.  
 Sandstrom, Roy J., and R. M. Stanley, to Bell Aircraft Corp. 174,400, Cl. D71—1.  
 Sanger, Richard I. 175,443, Cl. D2—3.  
 Sant, Ralph P., to McGraw Electric Co. 174,060, Cl. D26—9.  
 Sargent & Co.: *See*—  
   Ohno, Richard J. 173,848.  
   Ohno, Richard J. 173,849.  
   Ohno, Richard J. 173,850.  
   Ohno, Richard J. 175,851.  
 Saunders, John M. 175,480, Cl. D85—8.  
 Sawyer, Joseph E. 175,985, Cl. D54—13.  
 Sawyer's Inc.: *See*—  
   Gilson, Channing W. 174,902.  
   Gilson, Channing W. 175,215.  
 Sayers, William B. 175,744, Cl. D11—1.  
 Scanland, Joseph E., to New Monarch Machine and Stamping Co. 176,157, Cl. D34—15.  
 Scattergood, Richard D. 174,710, Cl. D91—2.  
 Scatton Bros. Mfg. Co.: *See*—  
   Scatton, Peter M. and J. P. 176,232.  
 Scatton, John P.: *See*—  
   Scatton, Peter M. and J. P. 176,232.  
 Scatton, Peter M., and J. P., to Scatton Bros. Mfg. Co. 176,232, Cl. D21—6.  
 Schacht Rubber Mfg. Co.: *See*—  
   Schacht, William J. 176,158.  
 Schacht, William J., to Schacht Rubber Mfg. Co. 176,158, Cl. D44—29.  
 Schaeff, Harold M. 174,352, Cl. D58—12.  
 Schaeff, Harold M. 174,353, Cl. D58—11.  
 Schaefer, Langdon C.: *See*—  
   Cole, Thomas W., Combs, Richer, and Schaefer. 174,491.  
 Schaefer, William B. 173,002, Cl. D80—8.  
 Schaeffer, Lewis C., and H. Lemmons. 174,660, Cl. D89—1.  
 Schaffer, Norman I., and J. I. Davis, to Consolidated Diesel Electric Corp. 176,040, Cl. D14—3.  
 Schall, Myron R. 174,999, Cl. D34—5.  
 Scharfenberg, George T.: *See*—  
   Beale, Dorr D., Polivka, and Scharfenberg. 173,891.  
 Schatz, Charles H. 175,317, Cl. D42—7.  
 Scheelk, Robert J.: *See*—  
   Ross, Arthur, and Scheelk. 176,286.  
 Schell, Burt E., Jr., to Shure Brothers, Inc. 173,915, Cl. D26—14.  
 Schell, Burt E., Jr., to Shure Brothers, Inc. 174,003, Cl. D26—14.  
 Schemansky, Joseph R., to General Motors Corp. 176,288, Cl. D14—3.  
 Schemansky, Joseph R., to General Motors Corp. 176,380, Cl. D14—6.  
 Schieber, Suzanne M. 174,474, Cl. D48—20.  
 Schiffman, Bernard. 174,004, Cl. D14—6.  
 Schild, Edwin F. 174,354, Cl. D80—9.  
 Schild, Edwin F. 175,914, Cl. D80—9.  
 Schilling, Robert, to General Motors Corp. 173,884, Cl. D14—30.  
 Schindele, Dorothy W. 175,986, Cl. D15—1.  
 Schlage, Ernest L., to Schlage Lock Co. 176,159, Cl. D50—4.  
 Schlage Lock Co.: *See*—  
   Schlage, Ernest L. 176,159.  
 Schmidt, John C., to Zenith Radio Corp. 175,318, Cl. D48—24.  
 Schnall, Murray: *See*—  
   Murphy, Joseph E., and Schnall. 175,127.  
 Schoen, Kurt, and A. O. Belaschk. 175,366, Cl. D10—9.  
 Schoenberger, Philip J. 175,367, Cl. D85—2.  
 Schoenberger, Philip J. 175,368, Cl. D85—2.  
 Schomp, Ralph S., to Bluhill Foods, Inc. 175,858, Cl. D58—8.  
 Schorr, David. 175,915, Cl. D64—12.



- Schott, Howard H., to General Mills, Inc. 176,041, Cl. D44—26.  
 Schott, Walter L.: *See*—  
   Grafman, Jack, Hurd, and Schott. 174,174.  
 Schrader, William O. 175,916, Cl. D56—4.  
 Schreckengost, Viktor, to Holophane Co., Inc. 174,837, Cl. D48—16.  
 Schreckengost, Viktor, to The Murray Ohio Mfg. Co. 175,745, Cl. D34—15.  
 Schreckengost, Viktor, to The Murray Ohio Mfg. Co. 175,746, Cl. D34—15.  
 Schroeder, Paul A. 174,925, Cl. D3—9.  
 Schucker, James L., to General Motors Corp. 175,444, Cl. D62—4.  
 Schucker, James L., to General Motors Corp. 175,445, Cl. D62—4.  
 Schultz, Mathias. 176,233, Cl. D4—3.  
 Schulz, William: *See*—  
   Conlin, James, and Shulz. 176,310.  
 Schumacher, John J., to Travel Talk, Inc. 176,289, Cl. D33—19.  
 Schumann, Joseph M. 176,431, Cl. D50—7.  
 Schwartz, Dorothee K. 175,651, Cl. D33—14.  
 Schwartz, Herman. 174,517, Cl. D3—13.  
 Schwartz, Nathan R. 175,800, Cl. D48—23.  
 Schwartz, Sidney. 176,381, Cl. D48—24.  
 Schwarz, John E., to Chrysler Corp. 175,235, Cl. D14—18.  
 Schwenkler, Norbert H., to Patent License Corp. 176,042, Cl. D48—23.  
 Sciaccaro, Rinaldo, to Miller Meters, Inc. 175,369, Cl. D52—3.  
 Scotland Mills, Inc.: *See*—  
   Morgan, Edwin, and Sippel. 175,735.  
   Morgan, Edwin, and Sippel. 175,736.  
   Morgan, Edwin, and Sippel. 175,737.  
 Scott, Byron E. 175,319, Cl. D18—2.  
 Scovill Mfg. Co.: *See*—  
   Kent, Elizabeth S. 176,144.  
 Scranton, Howard R.: *See*—  
   Brooks, Jay W., Scranton, and Morrill. 176,004.  
 Scripto, Inc.: *See*—  
   Brooks, Jay W., Scranton, and Morrill. 176,004.  
   Lovejoy, Charles K. 176,469.  
 Scully, James A. 176,234, Cl. D54—13.  
 Seals, Marguerite M. 173,819, Cl. D58—11.  
 Seaman, Maurice E. 175,370, Cl. D54—13.  
 Sears, Roebuck and Co.: *See*—  
   Bjorncrantz, Carl G. 175,457.  
   Bjorncrantz, Carl G. 175,707.  
 Seeger Refrigerator Co.: *See*—  
   Ferar, Montgomery. 173,797.  
 See-Qual Package Corp.: *See*—  
   Murphy, Joseph E., and Schnall. 175,127.  
 Segerstrom, Ralph B. 173,970, Cl. D64—11.  
 Seibert, Leslie W., Jr., to Ekco Products Co. 176,160, Cl. D44—29.  
 Seisholtz, Calvin A., Jr. 173,860, Cl. D29—23.  
 Selby Shoe Co., The: *See*—  
   Smith, Paul M. 174,063.  
   Smith, Paul M. 174,475.  
 Sellors, Melvina F. 174,774, Cl. D44—29.  
 Semler, James H. 174,926, Cl. D44—10.  
 Senior, Laura C.: *See*—  
   Senior, Richard and L. C. 176,043.  
 Senior, Richard and L. C. 176,043, Cl. D34—11.  
 Servel, Inc.: *See*—  
   Chuboff, David P. 173,790.  
   Chuboff, David P. 173,791.  
   Chuboff, David P. 173,792.  
   Dailey, Donald E. 173,938.  
   Dailey, Donald E. 174,165.  
 Service Men's Trophies, Inc.: *See*—  
   Glatke, Edward G. 174,385.  
 Seyfried, Arthur W., and P. W. Lahr. 175,047, Cl. D44—1.  
 Shain, Jack. 174,599, Cl. D47—2.  
 Shane, Le Roy. 174,197, Cl. D34—15.  
 Shane, Le Roy. 174,198, Cl. D34—15.  
 Shannon, Randolph W. 174,927, Cl. D15—1.  
 Shapiro, Solomon H. 175,694, Cl. D1—12.  
 Shapiro, William. 174,838, Cl. D85—2.  
 Share, Maurice S.: *See*—  
   Talmon, Emile H., and Share. 175,197.  
 Sharer, Benjamin B.: *See*—  
   Flexer, David, and Sharer. 174,900.  
 Sharps, George J., to P & K Inc. 175,801, Cl. D31—4.  
 Shaw, Evan K.: *See*—  
   Allen, Robert Y., and E. K. and M. Shaw. 174,669.  
 Shaw, Evan K., R. Y. Allen, M. Shaw, and G. Loeffler, to Metlox Mfg. Co. 175,132, Cl. D44—15.  
 Shaw, Evan K., R. Y. Allen, and M. Shaw, to Metlox Mfg. Co. 175,987, Cl. D44—15.  
 Shaw, Melvin: *See*—  
   Allen, Robert Y., and E. K. and M. Shaw. 174,669.  
   Shaw, Evan K., Allen, and Shaw. 175,987.  
   Shaw, Evan K., Allen, Shaw, and Loeffler. 175,132.  
 Shaw and Slavsky, Inc.: *See*—  
   Slavsky, Robert J. 175,481.  
   Slavsky, Robert J., and J. R. 176,387.  
 Shawnee Pottery Co.: *See*—  
   Bonistall, John F. 176,097—103.  
 Shayne, Max: *See*—  
   Lane, Paul W. 174,583.  
 Sheehan, Thomas P., to Weston Electrical Instrument Corp. 176,044, Cl. D26—1.  
 Shelby, Thomas L., to Crown Controls Co., Inc. 176,161, Cl. D26—14.  
 Shelley, G. W.: *See*—  
   Wait, Louis S. 175,812.  
 Shelley, Robert E.: *See*—  
   Wait, Louis S. 175,812.  
 Shelton, Thomas M. 174,236, Cl. D34—15.  
 Sherman, Jack. 175,048, Cl. D15—1.  
 Sherman, Jack. 175,802, Cl. D15—1.  
 Sherman, Jack. 176,045, Cl. D15—1.  
 Sherman, Jacob S., to Park Sherman Co. 175,859, Cl. D74—1.  
 Sherman, Jacob S., to Park Sherman Co. 175,860, Cl. D74—1.  
 Sherman, Jacob S., to Park Sherman Co. 175,861, Cl. D74—1.  
 Sherman, Rallston M., to The Silent Glow Oil Burner Corp. 176,382, Cl. D81—10.  
 Sherman, Rolland, to Sun-Rise, Inc. 176,487, Cl. D58—8.  
 Sherron, Percival H. 174,600, Cl. D13—1.  
 Sherwin-Williams Co., The: *See*—  
   Knapp, Stephen, Jr. 175,352.  
   Knapp, Stephen, Jr. 175,353.  
   Knapp, Stephen, Jr. 175,354.  
   Knapp, Stephen, Jr. 175,355.  
   Watzulik, Esther C. 175,379.  
 Shiels, Robert A. 174,199, Cl. D34—5.  
 Shipley, Frank W.: *See*—  
   Barricks, Joseph B. 174,731.  
 Sholle, Roger W.: *See*—  
   Shoup, Thomas E., Sholle and Mowry. 176,383.  
 Shomphe, George J., to Sanders Associates Inc. 174,005, Cl. D26—5.  
 Shopmaster, Inc.: *See*—  
   Beale, Dorr D., Polivka, and Scharfenberg. 173,891.  
 Short, Robert J. 176,235, Cl. D44—29.  
 Shoup, Thomas E., R. W. Sholle, and L. J. Mowry, to Gregory Industries, Inc. 176,383, Cl. D26—1.  
 Shrader, Lester H.: *See*—  
   Beal, Louis R., and Shrader. 176,303.  
 Shulters, Robert B., and J. R. Bos, to Gardner-Denver Co. 175,193, Cl. D54—14.  
 Shure Brothers, Inc.: *See*—  
   Schell, Burt E., Jr. 173,915.  
   Schell, Burt E., Jr. 174,003.  
 Shwayder Bros., Inc.: *See*—  
   Heitler, Emmett H. 175,768.  
 Shyvers, Ken C. 174,061, Cl. D34—5.  
 Sidenstick, Harry L., to The Heekin Can Co. 173,861, Cl. D58—25.  
 Siebert, Robert C., to Studebaker-Packard Corp. 175,695, Cl. D48—32.  
 Sieling, Edward H. 174,237, Cl. D2—3.  
 Siemienkiewicz, Charles J. 175,917, Cl. D4—3.  
 Siewenie, Philip. 175,569, Cl. D34—2.  
 Siggins, George. 175,133, Cl. D31—2.  
 Signa-Craft, Inc.: *See*—  
   Stupell, Leo K. 174,664.  
 Silber, Aaron, and A. J. Bellini. 176,384, Cl. D7—5.  
 Silber, Aaron, and A. J. Bellini. 176,385, Cl. D7—5.  
 Silent Glow Oil Burner Corp., The: *See*—  
   Sherman, Rallston M. 176,382.  
 Silex Co., The: *See*—  
   Muller-Munk, Peter. 173,909.  
 Silka, Walter S. 176,386, Cl. D14—6.  
 Silson, Victor, to Helena Rubinstein, Inc. 175,747, Cl. D86—10.  
 Silver, Myer S. 174,140, Cl. D7—7.  
 Silver, Myer S. 174,141, Cl. D7—7.  
 Silver, Myer S. 174,142, Cl. D7—7.  
 Silver, Myer S. 174,143, Cl. D7—7.  
 Silver, Myer S. 175,134, Cl. D7—7.  
 Silver, Myer S. 175,371, Cl. D7—7.  
 Silvestri Bros. Statuary Co.: *See*—  
   Silvestri, Eli. 174,101.  
 Silvestri, Eli, to Silvestri Bros. Statuary Co. 174,101, Cl. D48—20.  
 Simmons Co.: *See*—  
   Vandenberg, Richard. 174,299.  
 Simmons, Paul E.: *See*—  
   Davidson, John T., and Simmons. 175,496.  
 Simmons, Ruth D. 174,661, Cl. D86—10.  
 Simon, Henriette. 174,355, Cl. D7—5.  
 Simon, Stephen P. 174,662, Cl. D54—12.  
 Simonelli, Samuel. 174,775, Cl. D29—2.  
 Simpson, Paul F., to The Autoyre Co. 173,820, Cl. D17—12.  
 Singer Mfg. Co., The: *See*—  
   Park, Malcolm S. 174,132.  
   Park, Malcolm S. 175,636.  
   Park, Malcolm S. 175,637.  
   Park, Malcolm S. 175,638.  
   Park, Malcolm S. 175,639.  
   Park, Malcolm S. 175,973.  
 Singleton, Benoit M., to Woodlin Metal Products Co. 174,839, Cl. D48—20.  
 Sipple, James H., to General Motors Corp. 174,776, Cl. D48—32.  
 Sipple, James H., to General Motors Corp. 175,696, Cl. D14—6.  
 Sipple, James H., and N. F. Nickles, to General Motors Corp. 174,777, Cl. D14—18.  
 Sippel, Theodore C.: *See*—  
   Morgan, Edwin, and Sippel. 175,735.  
   Morgan, Edwin, and Sippel. 175,736.  
   Morgan, Edwin, and Sippel. 175,737.  
 Skinner, Hazel B.: *See*—  
   Bletcher, Ralph E., and Ward. 175,102.



- Skuttle Mfg. Co.: *See*—  
 Powers, Milton A., and Champlin. 175,520.  
 Slate, Raymond N., to Moffats Ltd. 173,885, Cl. D26—13.  
 Slavic, Fred M. 174,356, Cl. D80—9.  
 Slavsky, John R.: *See*—  
 Slavsky, Robert J., and J. R. 176,387.  
 Slavsky, Robert J., to Shaw and Slavsky, Inc. 175,481, Cl. D80—1.  
 Slavsky, Robert J., and J. R., to Shaw and Slavsky, Inc. 176,387, Cl. D33—3.  
 Sliger, Thomas F. 174,062, Cl. D35—2.  
 Slovitt, Abraham J. 173,886, Cl. D45—4.  
 Smalley, Louis C. 173,821, Cl. D41—1.  
 Smirin, Sam H. 174,401, Cl. D56—1.  
 Smith, Bonnie, Jr. 175,194, Cl. D34—15.  
 Smith, Charles L., Jr.: *See*—  
 Rodale, Jerome I., and Smith. 176,039.  
 Smith, Cyrus D. 175,320, Cl. D62—2.  
 Smith, Dennis A. 175,049, Cl. D3—19.  
 Smith, Edward A., to Collins & Aikman Corp. 174,711, Cl. D92—1.  
 Smith, Gertrude M. R. 174,778, Cl. D3—9.  
 Smith, Harvey J., to Modern Metal Products Co. 175,652, Cl. D52—2.  
 Smith, Harvey J., to Modern Metal Products Co. 175,862, Cl. D52—2.  
 Smith, Harvey J., to Modern Metal Products Co. 176,432, Cl. D52—2.  
 Smith, Maurice C., III, to Bristol Mfg. Co. 173,971, Cl. D7—7.  
 Smith, Paul M., to The Shelby Shoe Co. 174,063, Cl. D7—7.  
 Smith, Paul M., to The Shelby Shoe Co. 174,475, Cl. D7—7.  
 Smith, Robert L. 175,803, Cl. D56—1.  
 Smith, Selig J., and B. Mayer, to Kwikset Locks, Inc. 174,294, Cl. D80—9.  
 Smith, William I., to The Hettrick Mfg. Co. 174,779, Cl. D33—14.  
 Sneed, Theodore N. 174,295, Cl. D34—5.  
 Snelling, Henry B. W. 175,372, Cl. D92—21.  
 Snelling, Henry B. W. 175,373, Cl. D92—21.  
 Snook, Roger M.,  $\frac{1}{2}$  to H. G. Hardy. 174,064, Cl. D80—8.  
 Snyder & Black: *See*—  
 Springer-Miller Frank. 174,967.  
 Springer-Miller, Frank. 174,968.  
 Societe Industrielle de Lunetterie: *See*—  
 Passet, Robert. 174,514.  
 Soffer, Jack W., to Development Research, Inc. 175,863, Cl. D58—26.  
 Sonmore, Stanley V.: *See*—  
 Ertsgaard, Byron L., Sonmore, and Luger. 175,540.  
 Ertsgaard, Byron L., Sonmore, and Luger. 176,179.  
 Soreng Products Corp.: *See*—  
 Chapin, Howard R. 176,443.  
 Soss Mfg. Co.: *See*—  
 Marko, Harold M. 176,074.  
 Speed Products Co., Inc.: *See*—  
 Ruskin, Henry. 175,094.  
 Speidel Corp.: *See*—  
 Augenstein, Karl C. 176,301.  
 Spelich, Edward F. 174,840, Cl. D5—5.  
 Spence, Edmond J., to Rembrandt Lamp Corp. 174,402, Cl. D48—7.  
 Sperling, Kathi U. 173,916, Cl. D80—10.  
 Sperry Corp.: *See*—  
 Eby, Richard R., Luek, McDuffie, and Nolt. 174,898.  
 Sperry, Nancy C. 174,357, Cl. D15—1.  
 Spilman, Raymond, and H. S. Jones, to J. C. Warren Corp. 174,065, Cl. D26—14.  
 Spitz, Henry. 174,200, Cl. D80—8.  
 Spound, Albert M. 174,928, Cl. D15—11.  
 Spound, Albert M. 174,929, Cl. D15—11.  
 Spreiregen, Jacques. 176,046, Cl. D3—13.  
 Springer-Miller, Frank, to Snyder & Black. 174,967, Cl. D80—1.  
 Springer-Miller, Frank, to Snyder & Black. 174,968, Cl. D80—1.  
 Square D Co.: *See*—  
 Sundberg, Carl W. 174,782.  
 Square Mfg. Co.: *See*—  
 Arnett, Leslie. 174,485.  
 Squier, John M., D. E. Fales, R. F. McIntosh, J. G. Balmer, and P. J. Petlewski, to Clark Equipment Co. 175,804, Cl. D14—3.  
 Staff, Aaron S. 175,805, Cl. D47—6.  
 Stahlhut, Leo G.: *See*—  
 Meyer, Carl X., and Stahlhut. 175,431.  
 Meyer, Carl X., and Stahlhut. 175,433.  
 Meyer, Carl X., and Stahlhut. 176,367.  
 Stall, Richard G. 173,917, Cl. D3—11.  
 Standard Machine & Mfg. Co.: *See*—  
 Knaebel, Thomas C., and Deutsch. 175,890.  
 Standard Packaging Corp.: *See*—  
 Byrd, Carl. 176,307.  
 Standard Paper Box Corp.: *See*—  
 Petter, Noel A. 175,479.  
 Standard Products Corp.: *See*—  
 McNair, Samuel L. 175,358.  
 Stanitz, Jacques, to Mullins Mfg. Corp. 175,570, Cl. D33—19.  
 Stanley, Robert M.: *See*—  
 Sandstrom, Roy J., and Stanley. 174,400.  
 Starbright Corp.: *See*—  
 Ives, Glade, and McLennan. 175,469.  
 Stardust, Inc.: *See*—  
 Lavorata, Armond R. 175,083.  
 Stark, Karen. 174,712, Cl. D3—26.  
 Stark, Karen. 174,713, Cl. D3—26.  
 Stark, Karen. 174,714, Cl. D3—26.  
 Stark, Karen. 174,715, Cl. D3—26.  
 Stark, Karen. 174,716, Cl. D3—26.  
 Stark, Karen. 174,717, Cl. D3—26.  
 Stark, Karen. 174,718, Cl. D3—26.  
 Stark, Karen. 174,719, Cl. D3—26.  
 Stark, Karen. 174,720, Cl. D3—26.  
 Stark, Ludwig. 175,988, Cl. D91—2.  
 State Tool & Die Co., The: *See*—  
 Orenick, Emil H. 175,361.  
 Stawniak, Edwin E., and E. Roman. 175,806, Cl. D34—11.  
 Steam Electric Products Ltd.: *See*—  
 Pickard, Bernard H., and McIntosh. 174,593.  
 Steber Mfg. Co.: *See*—  
 Vesely, Donald V., Besal, and Gresch. 175,053.  
 Steece, George A. 176,162, Cl. D4—3.  
 Steele, Charles J. 173,822, Cl. D26—10.  
 Stegeman, Raymond F. E.: *See*—  
 Gay, Fred G., Jr., and Stegeman. 173,801.  
 Stegeman, Raymond F. E., to Bausch & Lomb Optical Co. 173,887, Cl. D57—1.  
 Stegeman, Raymond F. E., to Bausch & Lomb Optical Co. 175,050, Cl. D57—1.  
 Stegeman, Raymond F. E., to Bausch & Lomb Optical Co. 175,135, Cl. D57—1.  
 Stegeman, Raymond F. E. 175,236, Cl. D57—1.  
 Stegeman, Raymond F. E. 175,237, Cl. D57—1.  
 Stegeman, Raymond F. E., to Bausch & Lomb Optical Co. 175,278, Cl. D57—1.  
 Stegeman, Raymond F. E., to Bausch & Lomb Optical Co. 175,279, Cl. D57—1.  
 Stegeman, Raymond F. E., to Bausch & Lomb Optical Co. 175,280, Cl. D57—1.  
 Stegeman, Raymond F. E., to Bausch & Lomb Optical Co. 175,281, Cl. D57—1.  
 Stegeman, Raymond F. E., to Bausch & Lomb Optical Co. 175,282, Cl. D57—1.  
 Stegeman, Raymond F. E., to Bausch & Lomb Optical Co. 175,283, Cl. D57—1.  
 Stegeman, Raymond F. E., to Bausch & Lomb Optical Co. 175,321, Cl. D57—1.  
 Stegeman, Raymond F. E., to Bausch & Lomb Optical Co. 175,322, Cl. D57—1.  
 Stegeman, Raymond F. E., to Bausch & Lomb Optical Co. 176,236, Cl. D57—1.  
 Steinbach, Emil C., to C. P. Peirce. 175,523, Cl. D26—14.  
 Steinberg, Harold E., to The Esterbrook Pen Co. 174,889, Cl. 174,889.  
 Steinberg, Harold E., and H. C. Klagges, to The Esterbrook Pen Co. 175,864, Cl. D74—20.  
 Steinbook, Max, to The Peerless Corp. 174,144, Cl. D81—10.  
 Steinbook, Max, to The Peerless Corp. 174,721, Cl. D81—10.  
 Steiner, Albert M., to Par Beverage Co. 175,653, Cl. D34—15.  
 Steinway & Sons: *See*—  
 Teague, Walter D., and Jerabek. 174,477.  
 Stensgaard, W. L., and Associates, Inc.: *See*—  
 La Barre, Ernoll W. 176,466.  
 Stephenson, Emmitt H. 174,518, Cl. D80—8.  
 Stephenson, Ralph L. 175,323, Cl. D16—2.  
 Sterling Factories: *See*—  
 Curtze, Walter A. 174,164.  
 Sterling Plastics Co.: *See*—  
 Stern, Jerome J.: *See*—  
 Whyte, Daniel D., and Stern. 174,362.  
 Stevens, Brooks, to Power Products Corp. 174,145, Cl. D77—1.  
 Stevens, Brooks, to Power Products Corp. 175,136, Cl. D77—1.  
 Stevens, Dorothy. 174,238, Cl. D92—2.  
 Stevens, John: *See*—  
 Fleming, Jack F. 175,399.  
 Portanova, Joseph D., and Stevens. 174,997.  
 Portanova, Joseph D., and Stevens. 175,129.  
 Stevens, William P., Jr.: *See*—  
 Pfarr, John J., Stevens, and Christensen. 174,466.  
 Stiffel Co., The: *See*—  
 Cole, Edwin I. 173,794.  
 Cole, Edwin I. 173,836.  
 Cole, Edwin I. 173,837.  
 Cole, Edwin I. 173,895.  
 Cole, Edwin I. 173,935.  
 Cole, Edwin I. 173,936.  
 Stivers, Henry C.: *See*—  
 Stivers, Williams C. and H. C. 174,780.  
 Stivers, William C. and H. C. 174,780, Cl. D33—14.  
 Stock, Otto F., and H. C. Mayers, to The Julian and Kokenge Co. 174,663, Cl. D7—7.  
 Stoler, Louis, to Jos. Freeman & Co., Inc. 175,482, Cl. D80—9.  
 Stonberg, Samuel. 174,102, Cl. D45—17.  
 Stone, Dorothy. 175,000, Cl. D74—1.  
 Stone, Lewis R.: *See*—  
 Martin, Russell T., and Stone. 174,824.  
 Stone Mfg. Co.: *See*—  
 Atkin, Leonard. 175,528.  
 Stone, Roy A., to National Lock Co. 175,483, Cl. D10—8.  
 Stone, Roy A., to National Lock Co. 175,865, Cl. D10—8.  
 Stone, Roy A., to National Lock Co. 176,085, Cl. D10—8.  
 Stone, Saul. 176,163, Cl. D34—15.  
 Storm, George F. 174,006, Cl. D13—1.  
 Storms, Robert S. 176,086, Cl. D34—15.



- Strasel, Raymond K.: *See*—  
Hanson, Edward S., Jr., and Strasel. 176,014.
- Stratford Furniture Corp.: *See*—  
Wilson, Forest. 175,701.
- Streng, Jan, to Remington Rand Inc. 175,195, Cl. D33—14.
- Stringer, Jack W.: *See*—  
Kress, George H., and Stringer. 175,310.
- Stringini, Marjorie M. 176,433, Cl. D15—1.
- Strong Electric Corp., The: *See*—  
Hatch, Arthur J., Jr., and Wenzler. 174,221.
- Stroud, Ervin D. 175,374, Cl. D31—4.
- Strumil, Anthony M.: *See*—  
Van Buskirk, Richard K., and Strumil. 175,448.
- Strunk, Leonard M.: *See*—  
Weller, Earl H. 173,825.  
Weller, Earl H. 175,813.
- Strunk, Leonard M. 175,866, Cl. D14—3.
- Strunk, Leonard M. 176,388, Cl. D93—3.
- Studebaker-Packard Corp.: *See*—  
Bracher, Walter H. 174,488.  
Collier, Richard L. 175,249.  
Fredericks, Marshall M. 175,162.  
Kawsky, James S. 175,261.  
Macaulay, Edward R. 175,845.  
Reid, Donald J. 175,855.  
Siebert, Robert C. 175,695.  
Teague, Richard A. 176,291.
- Stuman, Jack B., to Geo. D. Roper Corp. 174,066, Cl. D81—25.
- Stupell, Leo K., to Signa-Craft, Inc. 174,664, Cl. D50—4.
- Sturdi-Bilt Steel Products, Inc.: *See*—  
Franks, Norvin H. 173,841.
- Sturma, Frank J. 174,781, Cl. D12—2.
- Sullivan, James T. 175,324, Cl. D14—6.
- Sullivan, Maxie M., and H. R. and J. F. Garrett. 175,989, Cl. D52—2.
- Sunbeam Corp.: *See*—  
Ernest, Robert O. 174,117.  
Ernest, Robert O. 175,067.  
Ernest, Robert O., and Jepson. 176,406.  
Jepson, Ivar. 176,336.  
Jepson, Ivar, and Ernest. 174,431.  
Jepson, Ivar, and Ernest. 175,602.
- Sundberg, Carl W.: *See*—  
Kress, George H., and Sundberg. 174,043.  
Kress, George H., and Sundberg. 174,044.
- Sundberg, Carl W., to Square D Co. 174,782, Cl. D26—13.
- Sundberg, Carl W., to Whirlpool Corp. 174,969, Cl. D49—1.
- Sundberg, Carl W., to Whirlpool Corp. 174,970, Cl. D49—1.
- Sunkees, Madeleine B.: *See*—  
Kumme, Helen H., and Sunkees. 174,047.
- Sunkees, Madeleine B., to H. H. Kumme. 174,067, Cl. D3—11.
- Sunkees, Madeleine B., to H. H. Kumme. 174,068, Cl. D3—11.
- Sun-Rise, Inc.: *See*—  
Sherman, Rolland. 176,487.
- Supersite Corp.: *See*—  
Daon, Rene. 176,312.
- Sutain, Abraham. 175,867, Cl. D45—9.
- Sutcliffe, Eugene G. 174,519, Cl. D52—2.
- Sutcliffe, Eugene G. 175,697, Cl. D52—2.
- Suttle, Robert S., to Arrowhead and Puritas Waters Inc. 175,196, Cl. D58—6.
- Sutton, O. A., Corp., Inc., The: *See*—  
Evarts, Ralph E. 174,118.
- Svenson, Ernest J. 176,488, Cl. D63—1.
- Svenson, Ernest J., and J. W. Phillips. 174,783, Cl. D55—1.
- Svestka, Miroslav J. 175,325, Cl. D33—3.
- Swanson, Bernard A. 175,326, Cl. D54—13.
- Swanson, Clarence R. 176,290, Cl. D48—20.
- Swanson, Doris A., and R. Chantry. 176,164, Cl. D80—5.
- Swanson, Nels B.: *See*—  
Carrick, Vinton D., and Swanson. 176,107.
- Swart, Richard L.: *See*—  
Wagner, Robert M., Swart, and Victory. 175,054.
- Swbado, Joseph: *See*—  
Barone, Ruth A., and Swbado. 176,171.  
Barone, Ruth A., and Swbado. 176,438.
- Swbado, Joseph. 174,358, Cl. D35—3.
- Sweeny, Robert D. 174,296, Cl. D52—1.
- Sylvania Electric Products Inc.: *See*—  
Pifer, Marion J. 175,641.
- Taicher, Leonard L., to Pan American Modes, Inc. 174,476, Cl. D7—7.
- Tailer, Peter. 174,007, Cl. D52—3.
- Talge, Henry J., to J. C. Hockery, trustee. 173,862, Cl. D22—2.
- Talmon, Emile H., and M. S. Share, to Imperial Knife Co., Inc. 175,197, Cl. D22—3.
- Tamchin, Arthur. 174,239, Cl. D85—2.
- Tannenbaum, Oscar A.: *See*—  
Wait, Louis S. 175,812.
- Tanner, Talman H. 175,918, Cl. D67—4.
- Tanury, Thomas A. 173,823, Cl. D64—12.
- Tape, Inc.: *See*—  
Collins, Harry J., Jr. 175,761.
- Tappan Stove Co., The: *See*—  
Mayer, Charles M., and Pollock. 175,847.  
Tappan, William R., and Clark. 174,240.  
Tappan, William R., and Clark. 175,807.
- Tappan, William R., and T. B. Clark, to The Tappan Stove Co. 174,240, Cl. D81—4.
- Tappan, William R., and T. B. Clark, to The Tappan Stove Co. 175,807, Cl. D81—4.
- Tasner, Fred P., and H. D. Lembeck. 175,198, Cl. D9—2.
- Tateishi, Arthur K. 174,930, Cl. D26—7.
- Tauber, Rudolf. 174,008, Cl. D74—1.
- Taylor, Howard S., to Airguide Instrument Co. 175,375, Cl. D52—7.
- Taylor, Howard S., to Airguide Instrument Co. 175,654, Cl. D52—7.
- Taylor Instrument Cos.: *See*—  
Zagara, Francis A. 175,206.
- Taylor, William A. 173,972, Cl. D35—2.
- Teague, Richard A., to Studebaker-Packard Corp. 176,291, Cl. D14—3.
- Teague, Walter D., to Continental Oil Co. 175,051, Cl. D13—1.
- Teague, Walter D., and C. A. Jerabek, to Steinway & Sons. 174,477, Cl. D56—9.
- Teague, Walter D., H. A. Bing, R. H. Ensign, M. N. Fairbank, and J. E. Hunter, Jr., to Polaroid Corp. 175,571, Cl. D61—1.
- Technical Porcelain and Chinaware Co.: *See*—  
Brock, Clara. 174,309.  
Brock, Clara. 174,310.
- Tedaldi, John L., and J. A. Gross, to Design Stamping Corp. 174,201, Cl. D80—11.
- Teen-Age Beachwear Corp.: *See*—  
Brumberger, Louis. 175,822.
- Temp, Conrad R. 175,748, Cl. D14—3.
- Tenber, Muriel E., and S. B. Miller. 175,446, Cl. D87—3.
- Ten Pas, Lloyd J. 175,238, Cl. D34—11.
- Terney, Ewald W. 175,199, Cl. D85—2.
- Terney, Ewald W. 175,200, Cl. D85—2.
- Teroux, Joseph O. 175,808, Cl. D13—1.
- Terral, James H. 176,087, Cl. D80—8.
- Tessitore, William E. 174,665, Cl. D29—1.
- Thal, Harry A. 174,931, Cl. D15—1.
- Tharrington, Walter F. 174,146, Cl. D44—29.
- Thatcher Glass Mfg. Co., Inc.: *See*—  
Tucker, Paul W. 175,447.
- Thatcher, Lewis E.: *See*—  
Gaylord, James K., and Thatcher. 173,802.  
Gaylord, James K., and Thatcher. 173,803.
- Theisen, John P., to New York Shipbuilding Corp. 174,297, Cl. D44—26.
- Theisen, John P., to New York Shipbuilding Corp. 175,239, Cl. D81—10.
- Theisen, John P., to New York Shipbuilding Corp. 176,389, Cl. D81—10.
- Theisen, John P., to New York Shipbuilding Corp. 176,390, Cl. D81—10.
- Thieblot, Armand J. 175,809, Cl. 71—1.
- Thiele, Edward G.: *See*—  
Cargill, Sylvester H., Thiele, and Holbert. 173,933.
- Thomas, Austin K., J. W. Lendved, and R. W. McKillop, to Chain Belt Co. 175,990, Cl. D14—3.
- Thomas, Charles C.: *See*—  
Hoffhines, James R., and Thomas. 175,307.
- Thomas, Ernest B. 176,165, Cl. D48—2.
- Thompson, Arnold M., to Thompson Tool & Mfg. Co. 175,810, Cl. D52—10.
- Thompson, Ralph B., % to J. H. Mahan. 175,201, Cl. D33—7.
- Thompson Tool & Mfg. Co.: *See*—  
Thompson, Arnold M. 175,810.
- Thurston, Gerald E. 175,655, Cl. D48—20.
- Thym, Gustav C.: *See*—  
Driemeyer, William G., and Thym. 175,497.
- Tiffenberg, Leo: *See*—  
Tiffenberg, Sol, L., and N. 174,666.
- Tiffenberg, Nathan: *See*—  
Tiffenberg, Sol, L., and N. 174,666.
- Tiffenberg, Sol, L., and N. 174,666, Cl. D61—1.
- Tiller, James A., to American Radiator & Standard Sanitary Corp. 174,784, Cl. D91—3.
- Timmons, William D. 174,298, Cl. D4—2.
- Todd, Edward F.: *See*—  
Engels, Charles O., and Todd. 174,380.
- Toledo Desk & Fixture Corp.: *See*—  
Crook, Frank M. 175,672.
- Toledo Scale Co.: *See*—  
Hem, Halvor W. 174,905.  
Little, John M. 175,734.  
Reiser, George C. 175,041.
- Tomarin, Marcus. 175,096, Cl. D54—13.
- Tomer, Herbert J. 174,971, Cl. D21—6.
- Tomlinson, Eugene N. 175,991, Cl. D33—8.
- Tomlinson, Ralph E. 174,202, Cl. D2—3.
- Tompkins, Clyde S., Jr. 174,785, Cl. D33—3.
- Toner, John C. 173,824, Cl. D4—3.
- Toro Mfg. Corp. of Minnesota: *See*—  
Bluem, Raymond C. 175,666.  
Butler, Charles W. 173,976.  
Ertsgaard, Byron L., Sonmore, and Luger. 175,540.  
Ertsgaard, Byron L., Sonmore, and Luger. 176,179.
- Toten, Gilbert V. 176,047, Cl. D34—4.
- Tourigny, Eugene L., to United Comb and Novelty Co., Inc. 174,203, Cl. D41—1.
- Towle Mfg. Co.: *See*—  
Van Koert, John O. 175,658.
- Toymaster Products Co., Inc.: *See*—  
Namowitz, Audrey A. 174,234.
- Trade-Wind Motorfans, Inc.: *See*—  
Lewis, Cicero H., II. 174,230.
- Transportation Vendors, Inc.: *See*—  
Anderson, Cleon P. 173,829.



- Travel Talk, Inc.: *See*—  
Schumacher, John J. 176,289.
- Traynor, John E., to Haws Drinking Faucet Co. 174,722, Cl. D91—4.
- Tredup, Fred W., to A. L. Randall Co. 175,698, Cl. D35—3.
- Treitel-Gratz Co., Inc.: *See*—  
Gratz, Frank W. 175,833.
- Trembly, Myron G. 175,052, Cl. D15—8.
- Tremulis, Alex S., to P. S. Pagratis and R. W. Olsen, d. b. a. Commodities Sales Co. of America. 174,601, Cl. D3—2.
- Trenkle, Eugen F.: *See*—  
Paul, Wilhelm H., and Trenkle. 174,464.
- Triantafillou, Tom, S. W. Bradford, R. J. H. La Riviere, and J. Michutka, to Dairy Crown Corp. 174,520, Cl. D13—1.
- Trickle, Russell W., Jr. 175,919, Cl. 81—10.
- Trickle, Russell W., Jr. 176,088, Cl. D54—14.
- Trifari, Krussman & Fishel, Inc.: *See*—  
Philippe, Alfred. 173,997.  
Philippe, Alfred. 174,348.  
Philippe, Alfred. 174,650.
- Trigg, Geraldine L. N. 174,359, Cl. D58—2.
- Troche, Herman J., and P. Licursi, to J. H. Holan Corp. 175,097, Cl. D14—3.
- Trombley, Bertrand N., to Borg-Warner Corp. 174,478, Cl. D49—1.
- Trombley, Bertrand N., to Kingston Products Corp. 174,841, Cl. D9—2.
- Troop, Charles C. 174,147, Cl. D56—1.
- Trout, Harry R., and F. M. Hill, to American Radiator & Standard Sanitary Corp. 175,327, Cl. D33—19.
- Trout, Harry R., and F. M. Hill, to American Radiator & Standard Sanitary Corp. 175,656, Cl. D10—8.
- Trout, Harry R., and F. M. Hill, to American Radiator & Standard Sanitary Corp. 175,868, Cl. D33—19.
- Trout, Harry R., and F. M. Hill, to American Radiator & Standard Sanitary Corp. 175,869, Cl. D33—19.
- Troutman, Clarence A.: *See*—  
Abeles, Murray J., and Troutman. 175,002.
- Tubing Appliance Co., Inc.: *See*—  
Brame, Allen J. 175,493.
- Tucker, Paul W., to Thatcher Glass Mfg. Co., Inc. 175,447, Cl. D58—6.
- Tunkl, Julius. 174,602, Cl. D26—14.
- Tuomi, Astro J., to American Optical Co. 175,376, Cl. D57—1.
- Tupper, Earl S. 175,202, Cl. D44—1.
- Turner, Desmond J. 175,992, Cl. D52—1.
- Turner, Jack R. 174,972, Cl. D1—12.
- Turner, Phyllis A., to International Latex Corp. 176,391, Cl. D3—17.
- Turner, Richard L. 175,699, Cl. D61—1.
- Turner, Richard L. 175,811, Cl. D61—1.
- Twitchell, E. W., Inc.: *See*—  
Holt, William E., Jr. 174,081.  
Holt, William E., Jr. 175,219—175,223.
- Tybond Products Co.: *See*—  
Mikolay, Raymond M. 174,509.
- Tyler Refrigeration Corp.: *See*—  
Rutter, Sheldon. 175,276.
- Tylon, Samuel. 174,521, Cl. D74—5.
- Uhlenhaut, Rudolf E.: *See*—  
Nallinger, Friedrich K. H., and Uhlenhaut. 176,277.  
Nallinger, Friedrich K. H., and Uhlenhaut. 176,278.
- Uhrenfabrik Villingen J. Kaiser G. m. b. H.: *See*—  
Paul, Wilhelm H., and Trenkle. 174,464.
- Uihlein, George V., to M. J. Whittall Associates, Inc. 175,524, Cl. D92—4.
- Umanoff, Arthur, to Century Laminated Products Corp. 176,237, Cl. D33—14.
- Union Carbide and Carbon Corp.: *See*—  
Graubner, Herman G. 175,940.
- United Aircraft Corp.: *See*—  
Alex, Ralph P. 173,779.
- United Comb and Novelty Co., Inc.: *See*—  
Tourigny, Eugene L. 174,203.
- United Metal Goods Mfg. Co., Inc.: *See*—  
Punzak, Joseph F. 174,836.  
Punzak, Joseph F. 176,081.
- United Petroleum Gas Co.: *See*—  
Darr, Harold W. 175,591.
- United States Electric Mfg. Co.: *See*—  
Ciampa, Lincoln L. 176,174.
- United States Electric Mfg. Corp.: *See*—  
Ciampa, Lincoln L. 176,175.
- U. S. Industries, Inc.: *See*—  
Belokin, Paul, Jr. 174,308.
- United States Rubber Co.: *See*—  
Benson, Arthur E., and Davis. 175,063.  
Bovay, Norman E. 173,893.  
Martin, Frank S., Pietraszek, and Dornik. 176,470.  
Walker, George W. 174,009.
- Uttz, William A. 175,657, Cl. D72—1.
- Valco Corp.: *See*—  
Darr, Harold W. 174,948.
- Van Bibber, Charles E. 174,932, Cl. D14—27.
- Van Brode Milling Co., Inc.: *See*—  
Nowak, Roger L. 174,830.  
Nowak, Roger L. 174,831.  
Nowak, Roger L. 174,832.  
Nowak, Roger L. 176,031.
- Van Buskirk, Richard K., and A. M. Strumil. 175,448, Cl. D22—3.
- Vandenberg, Richard, to Simmons Co. 174,299, Cl. D80—9.
- Vanden Bosch, George E. 174,479, Cl. D44—30.
- Van Der Sluys, William: *See*—  
Kay, Stanley W., and Van Der Sluys. 175,840.
- Van Gundy, Florence W. 173,888, Cl. D47—7.
- Van Horn, Claude A. 175,993, Cl. D7—7.
- Van Horne, John R.: *See*—  
Lovett, Wendell H. 174,394.
- Van Koert, John O., to Towle Mfg. Co. 175,658, Cl. D48—2.
- Van Pelt, George E. 175,328, Cl. D56—1.
- Van Rijn, Jacobus C., to Rotron Mfg. Co., Inc. 174,148, Cl. D26—5.
- Vaughan Mfg. Co.: *See*—  
La Forte, Michael J. 175,557.
- Vaughan, William S. 174,480, Cl. D65—1.
- Vaughn, Harold W.: *See*—  
Ray, William A., and Vaughn. 175,854.
- Vega Industries, Inc.: *See*—  
Normile, John. 175,632.
- Vendo Co., The: *See*—  
Hanson, Theodore L. 176,117.  
Hanson, Theodore L. 176,256.
- Verhagen, Edward L., to The Regina Corp. 174,842, Cl. D9—2.
- Vermillion, William R. 174,481, Cl. D44—10.
- Vernon, William F. 175,870, Cl. D29—23.
- Vernon, William F. 176,292, Cl. D74—1.
- Verrand, Mamie. 174,843, Cl. D3—26.
- Verrand, Mamie. 174,844, Cl. D3—26.
- Vesely, Donald V., R. J. Besal, and T. J. Gresch, to Steber Mfg. Co. 175,053, Cl. D48—23.
- Vevirit, James V., to McDonald Products Corp. 175,449, Cl. D74—9.
- Vick Chemical Co.: *See*—  
Ryden, John V. 175,649.
- Vickers, Hugh R.: *See*—  
Littrell, Leonard J., and Vickers. 175,787.
- Victor Adding Machine Co.: *See*—  
Budlong, Robert D. 173,787.  
Budlong, Robert D. 173,788.
- Victory, Fred: *See*—  
Wagner, Robert M., Swart, and Victory. 175,054.
- Viemeister, Read: *See*—  
Locke, Loyal V., and Viemeister. 175,084.
- Viko Furniture Corp.: *See*—  
Kranz, William J. 175,781.
- Vines, Oscar L. 174,845, Cl. 58—5.
- Vitantonio, Louis. 176,434, Cl. D81—10.
- Vogel, Jerome P., to B. B. Pen Co., Inc. 173,918, Cl. D74—17.
- Vogel-Peterson Co.: *See*—  
Magnuson, Raymond A., and Christiansen. 174,700.
- Voss, Clifford C., to Chrysler Corp. 175,572, Cl. D14—18.
- Voss, Clifford C., to Chrysler Corp. 175,573, Cl. D14—18.
- Voss, Clifford C., to Chrysler Corp. 175,574, Cl. D14—6.
- Voss, Clifford C., to Chrysler Corp. 175,575, Cl. D14—6.
- Voss, Clifford C., to Chrysler Corp. 175,576, Cl. D14—18.
- Vredenburg, Theodore. 176,293, Cl. D45—17.
- Vuncannon, Sam H. 174,603, Cl. D88—3.
- Vuncannon, Sam H. 174,604, Cl. D88—3.
- Wadely, Harold E., to The Firth Carpet Co., Inc. 174,204, Cl. D92—4.
- Wagenseller, John E. 175,284, Cl. D52—1.
- Wagner, Franz, to Ekco Products Co. 174,723, Cl. D54—2.
- Wagner, Franz, to Norcor Mfg. Co., Inc. 175,994, Cl. D15—1.
- Wagner, Jules. 174,360, Cl. D34—5.
- Wagner, Robert M., R. L. Swart, and F. Victory, to Chrysler Corp. 175,054, Cl. D65—1.
- Wahaski, Ziggle,  $\frac{1}{2}$  to R. A. Jensen. 175,920, Cl. D34—5.
- Wahaski, Ziggle,  $\frac{1}{2}$  to R. A. Jensen. 175,921, Cl. D34—5.
- Wait, Clyde F., and D. F. Cole, to Palace Corp. 176,166, Cl. D14—3.
- Wait, Louis S., 22.50% to N. Bauch, 15% to D. Robertson, 9.5% to V. Evans, 9.5% to M. McDonald, 1% to O. A. Tannenbaum, 5% to G. W. Shelley, 5% to R. E. Shelley, and 10% to D. A. Rose. 175,812, Cl. D52—3.
- Walborn, Horace L., to Walmann Products. 175,995, Cl. D74—1.
- Walborn, Horace L., to Walmann Products. 176,048, Cl. D74—1.
- Waldman, Thelma, to Quaker Lace Co. 174,724, Cl. D92—26.
- Waldman, Thelma, to Quaker Lace Co. 175,659, Cl. D92—26.
- Walker, George W., to United States Radiator Corp. 174,009, Cl. D81—21.
- Walker Machine & Foundry Corp.: *See*—  
Moore, Lewis F., Jr. 176,472.
- Wall, James E., to Wall-Streeter Shoe Co. 175,203, Cl. D7—7.
- Wallace China Co., Ltd.: *See*—  
Reiser, John H. 174,596.
- Wallace, Lon L. 173,889, Cl. D80—10.
- Wallace, R., & Sons Mfg. Co.: *See*—  
Martha, Oscar W. 175,426.  
Martha, Oscar W. 175,427.  
Martha, Oscar W. 175,428.  
Warren, William S. 173,919.  
Warren, William S. 175,204.
- Wallace, Richard M., and J. O. Young, to Lignacraft. 176,238, Cl. D15—1.
- Wall-Streeter Shoe Co.: *See*—  
Wall, James E. 175,203.



- Walmann Products: *See*—  
Walborn, Horace L. 175,995.  
Walborn, Horace L. 176,048.
- Wamsutta Mills: *See*—  
Axelrod, Joseph H. 174,890.
- Ward, Irving A.: *See*—  
Bletcher, Ralph E., and Ward. 175,102.
- Ward, Raymond R. 174,205, Cl. D58—26.
- Warner Brothers Co., The: *See*—  
Prochaska, Catherine P. 174,194.
- Warren, J. C., Corp.: *See*—  
Spilman, Raymond, and Jones. 174,065.
- Warren, William D. 175,377, Cl. D44—10.
- Warren, William S., to R. Wallace & Sons Mfg. Co. 173,919, Cl. D54—12.
- Warren, William S., to R. Wallace & Sons Mfg. Co. 175,204, Cl. D54—12.
- Washburn, James R.: *See*—  
Andrus, Richard B., and Washburn. 175,241.
- Waterman, Neil S. 174,206, Cl. D58—12.
- Waterman, Neil S. 174,300, Cl. D58—12.
- Watkins, James G., and A. J. Gold. 174,403, Cl. D4—2.
- Watkins, Norman B., to The Coleman Co., Inc. 175,378, Cl. D81—21.
- Watkins, Wilbur J. 176,392, Cl. D34—15.
- Watson, John R. 174,725, Cl. D45—19.
- Watt, Doyle: *See*—  
Bissell, Wadsworth, and Watt. 174,012.  
Bissell, Wadsworth, and Watt. 174,013.
- Watzulik, Esther C., to The Sherwin-Williams Co. 175,379, Cl. D9—2.
- Waugh, George C., to M. R. and R. R. Roakes. 175,700, Cl. D48—4.
- Weber, Peter. 174,301, Cl. D17—8.
- Webster, Angus A., to Howard Industries Inc. 175,871, Cl. D14—3.
- Webster, Milo E., to Otto Bernz Co., Inc. 176,294, Cl. D81—10.
- Webster, Wendell H.: *See*—  
Kline, Arthur E., and Webster. 176,464.
- Wechsler, Joseph. 174,241, Cl. D26—1.
- Wechsler, Sammy S. 176,049, Cl. D34—15.
- Wedemeyer, Eric, to Hamilton Art Metal Corp. 175,285, Cl. D85—2.
- Wedemeyer, Eric, to Hamilton Art Metal Corp. 175,286, Cl. D85—2.
- Wedemeyer, Eric, to Hamilton Art Metal Corp. 175,287, Cl. D85—2.
- Ween, Sidney, and E. P. Dobrin, to Weksler Thermometer Corp. 175,484, Cl. D52—7.
- Wehling, Herman F.: *See*—  
Mahlberg, Lucy M. 174,457.  
Mahlberg, Lucy M. 175,969.
- Weigel, Norman E. 174,667, Cl. D74—19.
- Weinstein, Alex J., to The Ednalite Optical Co., Inc. 174,302, Cl. D80—9.
- Weise, Frank, to Cornell Research Foundation, Inc. 173,920, Cl. D33—19.
- Weise, Frank, to Cornell Research Foundation, Inc. 173,921, Cl. D33—19.
- Weise, Frank, to Cornell Research Foundation, Inc. 173,922, Cl. D33—19.
- Weise, Frank, to Cornell Research Foundation, Inc. 173,923, Cl. D33—19.
- Weiss, Alexander C. H., to the United States of America as represented by the Secretary of the Army. 175,450, Cl. D9—6.
- Weiss, Harry. 175,485, Cl. D54—11.
- Weiss, Ted J. 173,924, Cl. D7—7.
- Weissman, Harry. 174,726, Cl. D57—1.
- Weissman, Harry. 176,295, Cl. D57—1.
- Weksler Thermometer Corp.: *See*—  
Ween, Sidney, and Dobrin. 175,484.
- Welch Grape Juice Co., Inc., The: *See*—  
Fuerst, Brooks D. 176,181.
- Welch, Harold G. 175,660, Cl. D65—1.
- Weller, Charles R., to E. E. Weller Co. 174,103, Cl. D17—1.
- Weller, E. E., Co.: *See*—  
Weller, Charles. 174,103.
- Weller, Earl H., to L. M. Strunk. 173,825, Cl. D14—3.
- Weller, Earl H., to L. M. Strunk. 175,813, Cl. D14—3.
- Weller, Warren C., to the United States of America as represented by the Secretary of the Army. 174,149, Cl. D28—1.
- Weller, Warren C., to the United States of America as represented by the Secretary of the Army. 174,151, Cl. D54—2.
- Weller, Warren C., and H. B. Johnson, to the United States of America as represented by the Secretary of the Army. 174,150, Cl. D54—2.
- Wells, Arthur N. 173,925, Cl. D16—2.
- Wells, Arthur N. 174,361, Cl. D91—3.
- Wells, Arthur N. 175,814, Cl. D91—3.
- Wells, Arthur N. 176,089, Cl. D91—3.
- Wells, Delbert. 175,380, Cl. D59—2.
- Wells, Louis: *See*—  
Berry, Morris J., and Wells. 176,095.
- Welt, David I. 176,296, Cl. D33—14.
- Wendel, Winters O. 176,050, Cl. D21—6.
- Werner, Albert. 176,239, Cl. D80—8.
- Wesix Electric Heater Co.: *See*—  
Beckett, John C. 176,243.
- West, Russell A., and L. W. Edwards, to Lukens Steel Co. 174,152, Cl. D14—3.
- Westernacher, Fritz. 175,749, Cl. D80—9.
- Westernacher, Fritz. 176,051, Cl. D80—9.
- Westernacher, Fritz. 176,240, Cl. D80—9.
- Western Electrical Instrument Corp.: *See*—  
Sheehan, Thomas P. 176,044.
- Westfield Mfg. Co., The: *See*—  
Day, John F., and Maschin. 175,674.
- Westinghouse Electric Corp.: *See*—  
Cole, Thomas W., Combs, Richer, and Schaefer. 174,491.  
Lambert, Raoul A. 173,907.
- Westland Plastics, Inc.: *See*—  
Murman, Bert L. 173,964.
- Weston Electrical Instrument Corp.: *See*—  
Nagy, John, Jr. 175,792.  
Pignone, Joseph. 175,797.
- Whirlpool Corp.: *See*—  
Ferar, Montgomery. 175,019.  
Geldhof, Peter E. 174,256.  
Sundberg, Carl W. 174,969.  
Sundberg, Carl W. 174,970.
- White, David I., III, and J. H. Giles. 174,303, Cl. D58—12.
- White, Frank F.: *See*—  
Lowe, Robert A., and White. 176,419.
- White, Lawrence G., to The National Shawmut Bank of Boston. 174,069, Cl. D1—12.
- White, S. S., Dental Mfg. Co., The: *See*—  
Angell, Robert C. 175,579.
- White Sewing Machine Corp.: *See*—  
Lerch, Carl J. 175,515.
- White, Shirley J. 176,167, Cl. D7—7.
- White, Warwick J., and K. F. Davern. 174,242, Cl. D45—4.
- Whitehead, William R., and H. R. Grunder. 175,922, Cl. D54—13.
- Whitehouse, John H., to Custom Marine Equipment Corp. 176,297, Cl. D14—30.
- Whitehouse, John H., to Custom Marine Equipment Corp. 176,298, Cl. D14—30.
- Whittall, M. J., Associates, Inc.: *See*—  
Uihlein, George V. 175,524.
- Whyte, Daniel D., and J. J. Stern, to Whyte Mfg. Co., Inc. 174,362, Cl. D58—11.
- Whyte Mfg. Co., Inc.: *See*—  
Whyte, Daniel D., and Stern. 174,362.
- Wibalda, Raymond K., to Borg-Warner Corp. 174,786, Cl. D4—4.
- Wideman, Thomas E. 175,815, Cl. D13—1.
- Wideman, Thomas E. 176,435, Cl. D13—1.
- Widman, Otto R. 174,787, Cl. D28—1.
- Wiggins, Robert B.: *See*—  
Hope, David G., Filipowicz, Renard, and Wiggins. 175,599.  
Renard, Winford G., and Wiggins. 173,855.
- Wiley, Verlis H. 176,052, Cl. D58—11.
- Wilkens, William B., to Laboratory for Electronics, Inc. 174,104, Cl. D26—1.
- Will & Baumer Candle Co., Inc.: *See*—  
Meyers, Edwin C. 174,826.
- Willey, Claude S., to Willey Sign Co., Inc. 175,055, Cl. D64—12.
- Willey Sign Co., Inc.: *See*—  
Willey, Claude S. 175,055.
- Williams, Alexander T., and P. P. Huber. 174,973, Cl. D61—1.
- Williams, Charles M., to American Sign and Indicator Corp. 176,053, Cl. D1—12.
- Williams, Dewayne K.: *See*—  
Baker, Melvin R., and Williams. 175,580.
- Williams, Dick H. 174,727, Cl. D14—3.
- Williams, Dorothy E. 176,393, Cl. D34—2.
- Williams, James R. 176,241, Cl. D71—1.
- Williams, Wilfred, to Midwest Stamping & Mfg. Co. 176,168, Cl. D90—1.
- Williamson, Anne O., to The Formfit Co. 174,304, Cl. D20—4.
- Williamson, Norman B. 174,363, Cl. D52—1.
- Williamson, Warren R. 175,240, Cl. D17—12.
- Willinger, Harding W., and H. N. Nestler. 174,482, Cl. D91—2.
- Willinger, Harding W., and H. N. Nestler. 174,522, Cl. D81—10.
- Willinger, Harding W., and H. N. Nestler. 175,486, Cl. D91—2.
- Wilson, Forest. 174,070, Cl. D15—11.
- Wilson, Forest, to Stratford Furniture Corp. 175,701, Cl. D15—11.
- Wilson, James M. 175,056, Cl. D93—4.
- Wilson, John M. 175,288, Cl. D58—26.
- Wilson Jones Co.: *See*—  
Marano, Herbert W. 173,958.  
Marano, Herbert W. 173,959.  
Marano, Herbert W. 173,960.  
Marano, Herbert W. 175,122.
- Wilson, Lawrence H., to Admiral Corp. 174,364, Cl. D67—3.
- Wilson, Owen C. 174,974, Cl. D14—6.
- Wilson, Robert C. 175,205, Cl. D34—15.
- Wilson, T. Carroll, to Hills Bros. Coffee, Inc. 174,365, Cl. D44—9.
- Winer, Ephraim, to The National Plastic Products Co. 175,816, Cl. D10—8.
- Winkler, Gilbert. 176,489, Cl. D44—15.
- Winslow Mfg. Co.: *See*—  
Price, Leo. 175,039.



- Winzeler, John W. : *See—*  
 Hatch, Arthur J., Jr., and Winzeler. 174,221.
- Winzen, Wilhelm. 175,057, Cl. D52—2.
- Wispepe Corp. : *See—*  
 Lewis, Arthur R. 176,072.
- Wiswell, Grant A., to Electro-Flasher Co. 173,826, Cl. D48—24.
- Witkin, Daniel W. 174,207, Cl. D4—3.
- Witt, Wilhelm. 175,058, Cl. D61—1.
- Witzel, Homer D., and G. W. Rohweder, to Deere & Co. 174,788, Cl. D40—1.
- Woerner, Joseph F. 173,827, Cl. D54—13.
- Wolf Brothers, Inc. : *See—*  
 Wolf, Walter L. 176,396.
- Wolf, Walter L., to Wolf Brothers, Inc. 176,396, Cl. D59—2.
- Wolf, William, to Quaker Lace Co. 175,661, Cl. D92—26.
- Wolf X-Ray Products, Inc. : *See—*  
 Lubow, Morris. 174,771.
- Wolfberg, Irene. 175,137, Cl. D29—23.
- Wolff, Raymond W. : *See—*  
 Guild, Lurette, and Wolff. 176,326.
- Wolff, Raymond W., to Revlon Products Corp. 176,394, Cl. D86—10.
- Wolff, Raymond W., to Revlon Products Corp. 176,395, Cl. D86—10.
- Wolk, Michael S. 175,059, Cl. D61—1.
- Wolsky, Joseph : *See—*  
 Gross, Harry B. 175,021.
- Wood, Marion N. 173,973, Cl. D35—3.
- Woodlin Metal Products Co. : *See—*  
 Singleton, Benoit M. 174,839.
- Woods, Bessie A. : *See—*  
 Booth, Leland W., Woods, and Burkhardt. 176,061.
- Woods, Robert J., to Bell Aircraft Corp. 174,404, Cl. D71—1.
- Woofter, Cecil B., ½ to D. E. Harley. 175,923, Cl. D34—5.
- Wooster Rubber Co. : *See—*  
 Caldwell, James R. 174,795.
- Wright, Russel. 175,817, Cl. D87—3.
- Wright, William W. 175,138, Cl. D58—26.
- Wylie, Herbert J. 175,060, Cl. D72—1.
- Wyrefab Inc. : *See—*  
 Hildale, John. 176,185.
- Yale & Towne Mfg. Co., The : *See—*  
 De Sakhnoffsky, Alexis. 174,112.
- Yankee Metal Products Corp. : *See—*  
 Malachowski, Handry J. 175,897—175,902.
- Yasui, Roku. 175,662, Cl. D34—2.
- Yellen, Inc. : *See—*  
 Birkerts, Gunnar G. 174,211.
- Youse, Joseph and Josephine. 175,818, Cl. D81—10.
- Youhouse, Joseph and Josephine. 176,436, Cl. D49—1.
- Youhouse, Josephine : *See—*  
 Youhouse, Joseph and Josephine. 175,818.
- Young, Harold J. 175,001, Cl. D4—3.
- Young, John O. : *See—*  
 Wallace, Richard M., and Young. 176,238.
- Young, Leonard P. 175,577, Cl. D26—1.
- Young, Philip E., to George S. Bailey Hat Co. 175,061, Cl. D3—13.
- Young, Philip E., to George S. Bailey Hat Co. 175,451, Cl. D3—13.
- Young, Robert M. 176,054, Cl. D29—1.
- Young, Solomon, to The Zell Products Corp. 175,381, Cl. D88—10(7).
- Young, Stephen A. 175,487, Cl. D54—2.
- Young, Stephen A. 175,819, Cl. D91—3.
- Young, Stephen A. 176,397, Cl. D91—3.
- Young, William T. 175,289, Cl. D36—2.
- Yungbluth, George L. 174,305, Cl. D85—2.
- Zabilansky, Norman. 173,926, Cl. D74—17.
- Zackheim, Eli A., and A. R. Meares, to Johnson & Johnson. 176,090, Cl. D24—1.
- Zagara, Francis A., to Taylor Instrument Cos. 175,206, Cl. D52—7.
- Zaher, Joseph G. 174,933, Cl. D7—7.
- Zajicek, Le Roy G. 173,863, Cl. D33—8.
- Zell Products Corp., The : *See—*  
 Young, Solomon. 175,381.
- Zenith Radio Corp. : *See—*  
 Budlong, Robert D. 174,075.
- Budlong, Robert D. 174,076.
- Budlong, Robert D. 174,077.
- Budlong, Robert D. 174,109.
- Schmidt, John C. 175,318.
- Ziebell, Edith F. 173,828, Cl. D15—1.
- Zierden, Frank P. 176,398, Cl. D91—1.
- Zimmerman, Harry. 175,525, Cl. D56—1.
- Ziskin, Manuel S., and R. B. Billig, to Kromex Corp. 174,071, Cl. D44—21.
- Ziskin, Manuel S., and R. B. Billig, to Kromex Corp. 174,605, Cl. D44—15.
- Ziskin, Manuel S., and R. B. Billig, to Kromex Corp. 176,091, Cl. D44—1.
- Zittler, Jack H. : *See—*  
 Levine, Joseph, and Zittler. 176,273.
- Levine, Joseph, and Zittler. 176,274.
- Zornow, Richard H., to Hughes Aircraft Co. 174,405, Cl. D64—11.
- Zskind, Samuel. 174,366, Cl. D4—3.
- Zuckerman, Tillie V. 174,606, Cl. D44—15.
- Zuckerman, Tillie V. 175,702, Cl. D44—15.







# 1955

## LIST OF PLANT PATENTEEES

- Abbott, Delvan D. 1,431, Cl. 47—59.  
Aicardi, Domenico, to V. Asseretto. 1,355, Cl. 47—61.  
American Bulb Co.: *See—*  
Krieter, Otto A. 1,413.  
Anderson, Frederic W. 1,344, Cl. 47—62.  
Anderson, Frederic W. 1,420, Cl. 47—62.  
Anderson, Frederic W. 1,421, Cl. 47—62.  
Anderson, Frederic W., to J. M. Garabedian. 1,427, Cl. 47—62.  
Anderson, Frederic W. 1,429, Cl. 47—62.  
Anderson, Frederic W. 1,430, Cl. 47—62.  
Armstrong Nurseries, Inc.: *See—*  
Pettingill, Clark. 1,352.  
Swim, Herbert C. 1,368.  
Swim, Herbert C. 1,381.  
Swim, Herbert C. 1,382.  
Swim, Herbert C. 1,383.  
Swim, Herbert C. 1,385.  
Swim, Herbert C. 1,390.  
Swim, Herbert C. 1,435.  
Arnold-Fisher Co.: *See—*  
Fisher, Esther G. 1,433.  
Asseretto, Vincenzo: *See—*  
Aicardi, Domenico. 1,355.  
Asseretto, Vincenzo. 1,356, Cl. 47—61.  
Avansino-Mortensen & Co.: *See—*  
Holmes, Victor E. 1,377.  
Barker, Elery R., to Stark Bro's Nurseries and Orchards Co. 1,422, Cl. 47—62.  
Bartlett, Larry M., to Wight Nurseries. 1,402, Cl. 47—59.  
Boerner, Eugene S., to Jackson & Perkins Co. 1,340, Cl. 47—61.  
Boerner, Eugene S., to Jackson & Perkins Co. 1,346, Cl. 47—61.  
Boerner, Eugene S., to Jackson & Perkins Co. 1,347, Cl. 47—61.  
Boerner, Eugene S., to Jackson & Perkins Co. 1,357, Cl. 47—61.  
Boerner, Eugene S., to Jackson & Perkins Co. 1,379, Cl. 47—61.  
Boerner, Eugene S., to Jackson & Perkins Co. 1,380, Cl. 47—61.  
Boerner, Eugene S., to Jackson & Perkins Co. 1,396, Cl. 47—61.  
Boerner, Eugene S., to Jackson & Perkins Co. 1,415, Cl. 47—61.  
Boerner, Eugene S., to Jackson & Perkins Co. 1,434, Cl. 47—61.  
Bosley, Edith C.: *See—*  
Shepherd, Roy E. 1,373.  
Shepherd, Roy E. 1,419.  
Brauns, Edward B., to Van Well Nursery. 1,411, Cl. 47—62.  
Brownell, Josephine D. 1,370, Cl. 47—61.  
Brownell, Josephine D. 1,371, Cl. 47—61.  
Brownell, Josephine D. 1,372, Cl. 47—61.  
Brownell, Josephine D. 1,404, Cl. 47—61.  
Brownell, Josephine D. 1,405, Cl. 47—61.  
Brownell, Josephine D. 1,425, Cl. 47—61.  
Brownell, Josephine D. 1,432, Cl. 47—61.  
Brownell, Josephine D. 1,439, Cl. 47—61.  
Byrum, Roy L., to Joseph H. Hill Co. 1,391, Cl. 47—61.  
Byrum, Roy L., to Joseph H. Hill Co. 1,397, Cl. 47—61.  
Byrum, Roy L., to Joseph H. Hill Co. 1,403, Cl. 47—61.  
Chaffin, Gordon T., to H. G. Hastings Co. 1,399, Cl. 47—62.  
Christ, Clarence H., to Stark Bro's Nurseries and Orchards Co. 1,365, Cl. 47—62.  
Coddington, Frank R. 1,406, Cl. 47—62.  
Cole Nursery Co., The: *See—*  
Luedy, Arthur E. 1,388.  
Columbia & Okanogan Nursery Co.: *See—*  
Lemcke, Robert S., and Snyder. 1,414.  
Conard-Pyle Co., The: *See—*  
De Ruiter, Gerrit. 1,341.  
Fisher, Esther G. 1,360.  
Mallerin, Charles. 1,349.  
Meilland, Francis. 1,342.  
Meilland, Francis. 1,358.  
Meilland, Francis. 1,359.  
Meilland, Francis. 1,367.  
Curtis, Thomas J., and I. Williams, to E. Dick. 1,386, Cl. 47—60.  
De Ruiter, Gerrit, to The Conard-Pyle Co. 1,341, Cl. 47—61.  
Dick, Edison: *See—*  
Curtis, Thomas J., and Williams. 1,386.  
Dreyer, Marie E. 1,401, Cl. 47—62.  
Duehrsen, Carl G., to Howard & Smith, Inc. 1,441, Cl. 47—61.  
Du Puis, John G. 1,369, Cl. 47—62.  
Fisher, Esther G., to The Conard-Pyle Co. 1,360, Cl. 47—61.  
Fisher, Esther G., to Arnold-Fisher Co. 1,433, Cl. 47—61.  
Floral Avenue Greenhouse Co.: *See—*  
Temmerman, Clement. 1,436.  
Fujihara, Paul K. 1,353, Cl. 47—62.  
Garabedian, John M.: *See—*  
Anderson, Frederic W. 1,427.  
Hagler, Lisle. 1,424, Cl. 47—62.  
Harris, Cliff: *See—*  
Rubel, Robert O., Jr. 1,350.  
Rubel, Robert O., Jr. 1,351.  
Hastings, H. G., Co.: *See—*  
Chaffin, Gordon T. 1,399.  
Hill, E. G., Co., Inc.: *See—*  
Jelly, Robert G. 1,374.  
Jelly, Robert G. 1,375.  
Hill, Joseph H., Co.: *See—*  
Byrum, Roy L. 1,391.  
Byrum, Roy L. 1,397.  
Byrum, Roy L. 1,403.  
Hiraoka, Harry E. 1,426, Cl. 47—62.  
Holmes, Victor E., to Avansino-Mortensen & Co. 1,377, Cl. 47—61.  
Howard, Arthur P., to Howard & Smith. 1,417, Cl. 47—61.  
Howard & Smith, Inc.: *See—*  
Duehrsen, Carl G. 1,441.  
Howard, Arthur P. 1,417.  
Inter-State Nurseries, Inc.: *See—*  
Prushek, Emil. 1,348.  
Ilgenfritz Nurseries, Inc.: *See—*  
Robichon, Marcel. 1,392.  
Isakson, Ingegerd, 51% to A. S. Kimball and 49% to W. C. Wilkins. 1,438, Cl. 47—62.  
Jackson & Perkins Co.: *See—*  
Boerner, Eugene S. 1,340.  
Boerner, Eugene S. 1,346.  
Boerner, Eugene S. 1,347.  
Boerner, Eugene S. 1,357.  
Boerner, Eugene S. 1,379.  
Boerner, Eugene S. 1,380.  
Boerner, Eugene S. 1,396.  
Boerner, Eugene S. 1,415.  
Boerner, Eugene S. 1,434.  
Kordes, Wilhelm. 1,362.  
Kordes, Wilhelm. 1,363.  
Mallerin, Charles. 1,384.  
Mallerin, Charles. 1,416.  
Mansuino, Ada. 1,366.  
Spek, Jan. 1,407.  
Tantau, Mathias. 1,395.  
James, George, to Stark Bro's Nurseries and Orchards Co. 1,361, Cl. 47—62.  
Jelly, Robert G., to E. G. Hill Co., Inc. 1,374, Cl. 47—61.  
Jelly, Robert G., to E. G. Hill Co., Inc. 1,375, Cl. 47—61.  
Kausen, Otto A. 1,394, Cl. 47—60.  
Kimball, Arthur S.: *See—*  
Isakson, Ingegerd. 1,438.  
Kordes, Wilhelm, to Jackson & Perkins Co. 1,362, Cl. 47—61.  
Kordes, Wilhelm, to Jackson & Perkins Co. 1,363, Cl. 47—61.  
Krieter, Otto A., to A. N. Pierson, Inc., and American Bulb Co. 1,413, Cl. 47—61.  
Lang, Albin E. 1,408, Cl. 47—62.  
Lemcke, Robert S., and J. A. Snyder, to Columbia & Okanogan Nursery Co. 1,414, Cl. 47—62.  
Luedy, Arthur E., to The Cole Nursery Co. 1,388, Cl. 47—59.  
Mallerin, Charles, to The Conard-Pyle Co. 1,349, Cl. 47—61.  
Mallerin, Charles, to Jackson & Perkins Co. 1,384, Cl. 47—61.  
Mallerin, Charles, to Jackson & Perkins Co. 1,416, Cl. 47—61.  
Mansuino, Ada, to Jackson & Perkins Co. 1,366, Cl. 47—61.  
McHutchison & Co.: *See—*  
Temmerman, Clement. 1,436.  
Merrill, Grant. 1,409, Cl. 47—62.  
Merrill, Grant. 1,410, Cl. 47—62.  
Merrill, Grant. 1,440, Cl. 47—62.  
Meilland, Francis, to The Conard-Pyle Co. 1,342, Cl. 47—61.  
Meilland, Francis, to The Conard-Pyle Co. 1,358, Cl. 47—61.  
Meilland, Francis, to The Conard-Pyle Co. 1,359, Cl. 47—61.  
Meilland, Francis, to The Conard-Pyle Co. 1,367, Cl. 47—61.  
Moore, Ralph S. 1,378, Cl. 47—61.  
Moore, Ralph S. 1,412, Cl. 47—61.  
Motose, Thomas E. 1,343, Cl. 47—61.  
Motose, Thomas E. 1,428, Cl. 47—61.  
Okazaki, Yukiko. 1,393, Cl. 47—60.  
Parmentier, John, to Parmentier's Roses. 1,400, Cl. 47—61.  
Parmentier's Roses: *See—*  
Parmentier, John. 1,400.  
Patten & Co., Inc.: *See—*  
Simm, Allan. 1,437.



- Pawla, Edith W. 1,418, Cl. 47—60.  
 Pettingill, Clark, to Armstrong Nurseries, Inc. 1,352, Cl. 47—62.  
 Plerson, A. N., Inc.: *See—*  
     Krieter, Otto A. 1,413.  
 Pommert, Ralph J. 1,339, Cl. 47—60.  
 Prushek, Emil, to Inter-State Nurseries, Inc. 1,348, Cl. 47—60.  
 Robichon, Marcel, to Ilgenfritz Nurseries, Inc. 1,392, Cl. 47—61.  
 Rubel, Robert O., Jr., to Cliff Harris. 1,350, Cl. 47—60.  
 Rubel, Robert O., Jr., to Cliff Harris. 1,351, Cl. 47—60.  
 Sandall, Ernest T. 1,389, Cl. 47—62.  
 Schenkel, Herman R. 1,398, Cl. 47—61.  
 Shepherd, Roy E., to E. C. Bosley. 1,373, Cl. 47—61.  
 Shepherd, Roy E., to E. C. Bosley. 1,419, Cl. 47—61.  
 Sima, Edward P. 1,354, Cl. 47—61.  
 Simm, Allan, to Patten & Co., Inc. 1,437, Cl. 47—60.  
 Snyder, Jacob A.: *See—*  
     Lemcke, Robert S., and Snyder. 1,414.  
 Sodano, Jimmy: *See—*  
     Sodano, Vincenzo. 1,364.  
 Sodano, Vincenzo, known as Jimmy Sodano. 1,364, Cl. 47—61.  
 Spandikow, William, Co.: *See—*  
     Spandikow, William L., Jr. 1,423.  
 Spandikow, William L., Jr., to William Spandikow Co. 1,423, Cl. 47—61.  
 Spek, Jan, to Jackson & Perkins Co. 1,407, Cl. 47—61.  
 Stark Bro's Nurseries and Orchards Co.: *See—*  
     Barker, Elery R. 1,422.  
     Christ, Clarence H. 1,365.  
     James, George. 1,361.  
     Swim, Herbert C., to Armstrong Nurseries, Inc. 1,368, Cl. 47—61.  
     Swim, Herbert C., to Armstrong Nurseries, Inc. 1,381, Cl. 47—61.  
     Swim, Herbert C., to Armstrong Nurseries, Inc. 1,382, Cl. 47—61.  
     Swim, Herbert C., to Armstrong Nurseries, Inc. 1,383, Cl. 47—60.  
     Swim, Herbert C., to Armstrong Nurseries, Inc. 1,385, Cl. 47—61.  
     Swim, Herbert C., to Armstrong Nurseries, Inc. 1,390, Cl. 47—61.  
     Swim, Herbert C., to Armstrong Nurseries, Inc. 1,435, Cl. 47—61.  
     Tantau, Mathias, to Jackson & Perkins Co. 1,395, Cl. 47—61.  
     Temmerman, Clement, to McHutchison & Co., and Floral Avenue Greenhouse Co. 1,436, Cl. 47—61.  
     Tiret, Horace M. 1,345, Cl. 47—60.  
     Toth, Alex. 1,387, Cl. 47—60.  
     Van Well Nursery: *See—*  
         Brauns, Edward B. 1,411.  
     Wight Nurseries: *See—*  
         Bartlett, Larry M. 1,402.  
     Wilkins, Weldon C.: *See—*  
         Isakson, Ingegerd. 1,438.  
     Williams, Ivor: *See—*  
         Curtis, Thomas J., and Williams. 1,386.  
     Zebehazy, Alexander J. 1,376, Cl. 47—60.



1955

# CLASSIFICATION OF PATENTS

NOTE.—First number=class, second number=subclass, third number=patent number

1—	2: 2,706,814 2,716,748 3: 2,702,383 2,702,384 2,704,844 2,705,322 2,705,796 2,706,292 2,706,293 2,717,382 2,718,004 2,719,971 2,720,649 2,720,650 2,723,392 2,724,832 2,726,391 2,726,392 2,727,234 3.05: 2,726,393 4: 2,702,901 2,718,005 2,720,651 2,721,999 7: 2,709,808 2,712,648 2,717,383 2,722,000 10: 2,714,335 2,724,833 20: 2,712,649 27: 2,712,131 44.4: 2,698,938 2,707,277 2,713,165 2,714,207 2,714,208 44.5: 2,700,764 2,702,902 2,705,323 2,724,116 46: 2,710,963 47: 2,701,359 2,722,683 2,725,558 2,727,235 48: 2,714,209 49: 2,710,964 2,715,220 2,716,749 2,719,294 2,719,295 2,719,296 2,722,001 2,722,002 49.1: 2,707,783 49.7: 2,719,297 49.8: 2,707,784 2,716,750 50: 2,715,730 2,719,298 51: 2,701,360 56: 2,703,402 60: 2,713,166 2,722,003 2,722,004 66: 2,719,299 68: 2,709,809 102: 2,722,684 104: 2,723,393 106: 2,719,300 177: 2,701,877 2,705,797 2,714,210 2,727,236 187: 2,699,549 2,707,278 2,715,731 2,722,005 200: 2,715,221 210: 2,722,006 215: 2,709,255 2,716,751 224: 2,726,394 260: 2,716,752 2—	2—	3: 2,698,434 2,706,294 2,709,810 2,710,965 2,717,384 8: 2,700,158 2,719,972 2,725,559 2,726,395 2,728,077 9: 2,715,222 10: 2,717,385 2,718,006 2,725,560 12: 2,710,966 2,714,716 2,717,386 2,721,322 13: 2,708,269 2,708,270 2,714,717 2,724,834 14: 2,700,765 2,703,403 2,706,815 2,709,256 2,715,223 2,715,224 2,718,007 2,727,237 2,728,078 16: 2,709,257 19: 2,699,551 2,722,007 2,725,561 20: 2,700,159 2,701,361 2,727,238 21: 2,701,878 22: 2,717,387 28: 2,702,903 29: 2,708,271 30: 2,704,701 2,715,732 2,720,652 33: 2,700,766 2,705,798 36: 2,707,279 2,722,008 2,724,117 37: 2,703,883 2,705,799 2,707,280 38: 2,705,324 2,726,396 39: 2,698,939 41: 2,710,486 2,717,388 2,718,008 2,719,973 2,719,974 2,720,653 42: 2,698,940 2,698,941 2,700,767 2,700,768 2,701,362 2,701,879 2,703,884 2,703,885 2,703,886 2,704,845 2,705,800 2,706,816 2,707,281 2,709,811 2,711,535 2,711,536 2,713,683 2,714,211 2,715,225 2,715,733 2,715,734 2,718,009 2,719,301 2,719,975	2—	42: 2,721,323 2,721,324 2,722,009 2,723,394 2,723,395 2,723,396 2,723,397 2,725,562 2,725,563 2,728,079 43: 2,705,801 2,719,976 2,721,325 48: 2,726,397 49: Re.24,043 2,722,685 2,727,239 50: 2,717,389 2,727,240 52: 2,709,812 61: 2,719,977 65: 2,709,258 66: 2,725,564 2,727,241 67: 2,700,160 2,712,132 68: 2,704,846 2,705,802 2,726,398 69: 2,705,325 2,712,133 2,720,654 2,727,242 69.5: 2,702,385 2,716,239 2,723,398 70: 2,714,718 2,724,118 2,725,565 73: 2,701,363 2,718,639 2,719,302 2,726,399 74: 2,711,537 2,717,390 2,722,686 2,725,566 2,722,010 2,722,011 79: 2,703,404 2,715,226 2,721,326 80: 2,705,803 81: 2,702,386 83: 2,705,326 2,705,804 2,725,567 84: 2,706,817 2,711,538 90: 2,721,327 91: 2,698,942 93: 2,700,769 2,705,805 2,711,539 2,713,168 2,716,240 94: 2,717,391 95: 2,721,328 97: 2,702,387 2,713,169 105: 2,698,943 2,710,968 2,719,303 2,719,978 107: 2,698,435 112: 2,724,835 113: 2,728,080 114: 2,701,364 2,707,282 115: 2,705,806 2,720,655 116: 2,704,365 2,707,785 2,710,969 2,713,684 119: 2,707,786	2—	119: 2,712,650 124: 2,708,272 128: 2,709,259 130: 2,709,813 131: 2,727,243 132: 2,701,880 2,709,814 2,712,651 2,719,979 2,724,836 2,726,400 139: 2,725,568 145: 2,699,552 2,702,904 2,711,540 146: 2,709,260 150: 2,707,787 153: 2,702,905 2,708,752 2,710,408 2,713,170 2,714,719 2,717,392 2,725,569 2,727,244 2,728,081 159: 2,700,770 2,702,906 2,707,283 2,708,753 2,710,970 2,713,171 2,719,980 2,724,119 160: 2,710,409 161: 2,705,327 2,710,971 163: 2,725,570 165: 2,723,399 167: 2,703,887 2,728,082 168: 2,722,687 169: 2,713,172 2,716,241 172: 2,701,365 2,717,393 2,717,394 174: 2,698,944 2,727,245 175: 2,699,553 178: 2,725,571 181: 2,728,083 182.1: 2,715,227 195: 2,701,366 2,704,847 2,710,972 2,716,753 2,718,010 196: 2,708,273 197: 2,698,945 2,701,367 2,721,329 198: 2,704,366 2,709,261 2,726,401 2,727,246 199: 2,704,367 2,710,973 200: 2,728,084 205: 2,722,688 206: 2,711,541 207: 2,704,368 2,725,572 209: 2,700,162 2,712,134 209.5: 2,728,085 211: 2,724,120 212: 2,700,771 216: 2,706,295 221: 2,709,262 224: 2,702,388 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2,713,687 2,714,724 2,719,304 2,720,657 2,726,403 2,728,087 67: 2,724,838 68: 2,700,774 2,721,332 2,726,404 76: 2,725,575 102: 2,703,409 109: 2,718,013	4—	112: 2,711,543 2,712,136 2,713,688 113: 2,724,122 131: 2,700,775 134: 2,719,305 144: 2,702,389 146: 2,702,390 148: 2,714,725 149: 2,725,576 164: 2,725,577 166: 2,716,757 170: 2,712,652 172: 2,701,881 2,724,123 173: 2,705,329 177: 2,698,948 2,700,776 2,714,726 2,715,736 2,718,014 2,718,642 2,719,306 2,719,982 2,719,983 2,724,839 180: 2,719,307 185: 2,713,174 2,714,727 2,714,728 2,724,124 2,725,578 187: 2,704,370 2,708,275 2,717,397 2,722,689 2,727,248 189: 2,709,046 2,721,333 203: 2,706,298 211: 2,719,308 213: 2,726,405 2,727,249 216: 2,724,840 217: 2,728,088 222: 2,716,243 225: 2,708,754 228: 2,726,406 239: 2,709,816 2,712,653 2,716,244 2,720,658 243: 2,712,654 251: 2,705,330 2,723,400 252: 2,702,391 2,721,334 2,721,335 253: 2,698,439 2,724,125 254: 2,698,440 255: 2,705,809 274: 2,703,410 287: 2,698,441 2,707,287 288: 2,699,555 5—	2: 2,711,544 2,719,984 2,720,659 2,721,336 8: 2,708,755 2,722,690 9: 2,705,331 10: 2,699,556 11: 2,698,442 13: 2,710,411 2,721,337 2,722,016 2,724,126 2,727,250 14: 2,708,756 18: 2,703,411 21: 2,712,655 36: 2,718,643 37: 2,723,401 38: 2,700,164
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2,722,023 66: 2,718,649 85: 2,719,990 85.1: 2,722,024 87: 2,720,668 88: 2,719,991 2,726,412 97: 2,712,663 2,719,992 2,720,669 103: 2,715,740	12—	103: 2,726,413 123: 2,702,912 125: 2,704,373 128.1: 2,704,850 2,707,291 128.3: 2,714,217 128.6: 2,699,561 136: 2,702,394 2,712,664 2,716,248 2,720,670 2,720,671 2,722,025 2,722,026 142: 2,701,887 2,704,851 2,713,691 2,714,733 2,715,234 2,719,311 2,727,261 145: 2,714,734 146: 2,699,562 2,713,692 2,716,249 147: 2,707,791 2,722,027 13—	13—	6: 2,707,717 2,710,306 2,714,622 9: 2,726,278 16: 2,698,871 2,700,692 2,716,145 17: 2,718,537 22: 2,703,334 23: 2,701,269 2,711,435 24: 2,710,886 26: 2,711,436 27: 2,706,212 29: 2,707,718 31: 2,707,719 2,717,915 2,727,936 33: 2,707,720 2,727,937 14—	14—	27: 2,722,699 36: 2,724,135 71: 2,714,735 2,721,345 72: 2,700,169 15—	15—	3.15: 2,724,846 3.17: 2,719,993 4: 2,701,376 2,724,136 2,724,137 2,725,582 2,726,414 21: 2,705,810 2,716,767 2,718,650 2,722,028 22: Re.23,975 23: 2,706,301 24: 2,719,994 2,723,407 29: 2,717,403 31: 2,723,408 36: 2,718,020 39: 2,700,782 2,704,374 40: 2,725,583 48: 2,703,897 49: 2,701,377 2,710,416 2,722,700 2,727,262 50: 2,709,269 2,712,142 55: 2,719,312 2,727,263 68: 2,726,415 74: 2,715,741 77: 2,698,448 2,710,417 79: 2,700,783 2,727,264 2,727,265 82: 2,711,551 83: 2,708,280 84: 2,725,584 89: 2,709,270 97: 2,713,693 2,723,409 98: 2,702,395 102: 2,708,281 2,718,021 103.5: 2,706,302 104: 2,702,913 2,708,761 2,724,847 104.01: 2,709,271 104.04: 2,715,235 2,728,096	15—104.07:	2,710,418 104.12: 2,710,419 2,710,980 104.16: 2,707,292 2,715,742 2,718,651 2,719,995 2,721,346 110: 2,708,762 111: 2,701,378 112: 2,704,852 114: 2,702,914 115: 2,701,888 118: 2,710,420 2,719,313 2,719,996 119: 2,699,563 2,706,303 2,712,143 2,714,736 2,714,737 2,715,743 2,715,744 2,716,768 2,716,769 2,725,585 121: 2,715,745 121.1: 2,698,450 121.2: 2,705,334 2,723,410 121.3: 2,703,898 2,724,848 123: 2,724,849 124: 2,724,850 126: 2,716,770 2,722,701 128: 2,707,293 2,718,022 2,722,029 130: 2,707,294 131: 2,710,981 2,712,665 2,718,652 2,727,266 131.05: 2,717,404 132: 2,698,954 132.5: 2,698,451 2,705,811 2,708,763 2,721,347 2,722,030 132.7: 2,700,784 2,719,314 2,719,997 134: 2,713,176 2,716,250 2,723,411 2,726,416 136: 2,698,452 2,702,915 2,705,335 2,715,236 2,716,251 2,718,023 2,726,417 137: 2,722,702 2,728,097 138: 2,702,396 2,707,295 2,703,422 140.3: 2,728,098 142: 2,712,666 143: 2,701,379 2,722,703 145: 2,705,336 147: 2,717,405 2,724,851 2,725,586 151: 2,712,144 152: 2,724,852 153: 2,702,916 2,722,704 160: 2,703,899 164: 2,707,296 167: 2,701,380 168: 2,704,853 171: 2,709,272 172: 2,719,998 176: 2,706,825 179: 2,701,889 182: 2,704,854 2,707,297 2,707,792 2,727,267 183: 2,714,738 2,721,348 184: 2,701,381 186: 2,718,024 187: 2,710,982 201: 2,722,031 2,722,033 202: 2,699,564 2,712,145 2,713,177 205: 2,722,705	15—	209: 2,704,375 210: 2,703,423 2,713,694 2,719,315 2,719,999 2,721,349 2,723,412 2,726,418 215: 2,701,890 223: 2,708,764 226: 2,707,793 227: 2,722,706 229: 2,700,170 2,703,425 2,714,218 2,720,672 2,724,138 2,724,853 2,727,268 230: 2,702,917 231: 2,718,653 236: 2,699,565 2,706,304 2,707,298 2,707,299 2,711,552 2,718,654 2,719,316 2,727,269 244: 2,698,955 2,700,171 2,703,424 2,708,282 2,708,283 2,715,237 2,717,406 245: 2,700,785 2,701,382 2,702,397 2,706,305 2,712,146 2,713,695 2,721,350 2,723,413 2,724,854 2,727,270 2,727,271 132: 2,698,954 132.5: 2,698,451 2,705,811 2,708,763 2,721,347 2,722,030 132.7: 2,700,784 2,719,314 2,719,997 134: 2,713,176 2,716,250 2,723,411 2,726,416 136: 2,698,452 2,702,915 2,705,335 2,715,236 2,716,251 2,718,023 2,726,417 137: 2,722,702 2,728,097 138: 2,702,396 2,707,295 2,703,422 140.3: 2,728,098 142: 2,712,666 143: 2,701,379 2,722,703 145: 2,705,336 147: 2,717,405 2,724,851 2,725,586 151: 2,712,144 152: 2,724,852 153: 2,702,916 2,722,704 160: 2,703,899 164: 2,707,296 167: 2,701,380 168: 2,704,853 171: 2,709,272 172: 2,719,998 176: 2,706,825 179: 2,701,889 182: 2,704,854 2,707,297 2,707,792 2,727,267 183: 2,714,738 2,721,348 184: 2,701,381 186: 2,718,024 187: 2,710,982 201: 2,722,031 2,722,033 202: 2,699,564 2,712,145 2,713,177 205: 2,722,705	209: 2,704,375 210: 2,703,423 2,713,694 2,719,315 2,719,999 2,721,349 2,723,412 2,726,418 215: 2,701,890 223: 2,708,764 226: 2,707,793 227: 2,722,706 229: 2,700,170 2,703,425 2,714,218 2,720,672 2,724,138 2,724,853 2,727,268 230: 2,702,917 231: 2,718,653 236: 2,699,565 2,706,304 2,707,298 2,707,299 2,711,552 2,718,654 2,719,316 2,727,269 244: 2,698,955 2,700,171 2,703,424 2,708,282 2,708,283 2,715,237 2,717,406 245: 2,700,785 2,701,382 2,702,397 2,706,305 2,712,146 2,713,695 2,721,350 2,723,413 2,724,854 2,727,270 2,727,271 247: 2,709,824 248: 2,707,300 250: 2,701,891 2,703,900 2,703,901 2,709,825 2,710,421 250.3: 2,724,139 250.4: 2,702,918 2,712,147 2,714,739 2,724,855 250.5: 2,703,902 2,721,351 253: 2,705,812 2,713,178 2,716,252 2,721,352 254: 2,712,148 255: 2,706,291 2,711,553 2,715,238 2,715,239 2,715,728 2,715,729 2,717,408 2,722,707 2,722,708 256: 2,700,786 256.5: 2,698,453 2,714,219 256.6: 2,700,787 257: 2,703,426 2,704,855 2,713,696 2,714,740 258: 2,723,414 264: 2,712,668 265: 2,710,983 302: Re.24,054 306: 2,716,772 310: 2,718,655 2,724,856 312: 2,704,856 313: 2,725,587 314: 2,710,984 317: 2,699,566 2,722,032 2,722,033 320: 2,718,656 323: 2,716,253 2,725,588 332: 2,708,766
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15— 332: 2, 714, 220 2, 719, 317 333: 2, 719, 318 2, 719, 319 2, 724, 140 343: 2, 722, 709 344: 2, 709, 273 350: 2, 724, 141 365: 2, 703, 903 368: 2, 706, 826 2, 712, 669 369: 2, 716, 773 2, 717, 409 372: 2, 703, 904 374: 2, 703, 905 387: 2, 701, 892 402: 2, 716, 254 415: 2, 715, 240 418: 2, 722, 710 419: 2, 711, 554 16— 1: 2, 704, 376 2, 724, 857 2: 2, 700, 172 5: 2, 702, 919 16: 2, 709, 826 2, 726, 419 22: 2, 708, 767 24: 2, 707, 301 29: 2, 717, 410 32: 2, 698, 454 33: 2, 709, 827 34: 2, 718, 657 35: 2, 707, 794 2, 709, 828 2, 709, 829 36: 2, 724, 858 42: 2, 699, 567 2, 709, 830 2, 716, 255 2, 716, 774 44: 2, 700, 173 2, 707, 795 45: 2, 723, 415 47: 2, 713, 179 49: 2, 708, 284 52: 2, 707, 796 2, 723, 416 55: 2, 703, 906 59: 2, 701, 883 65: 2, 715, 241 66: 2, 702, 398 2, 703, 907 2, 705, 337 72: 2, 709, 274 76: 2, 724, 142 80: 2, 719, 320 82: 2, 699, 568 2, 720, 000 2, 720, 673 2, 720, 674 83: 2, 703, 427 85: 2, 700, 174 2, 712, 149 2, 715, 746 2, 718, 025 86: 2, 700, 788 2, 703, 428 2, 712, 150 2, 715, 242 2, 716, 256 2, 719, 321 2, 724, 143 87: 2, 726, 420 87. 2: 2, 711, 555 87. 4: 2, 698, 455 88: 2, 708, 285 2, 728, 101 93: 2, 703, 429 2, 709, 831 2, 727, 272 94: 2, 706, 306 95: 2, 706, 827 105: 2, 710, 422 114: 2, 698, 956 2, 712, 151 2, 717, 411 115: 2, 698, 456 2, 723, 417 116: 2, 703, 908 2, 705, 813 126: 2, 715, 243 2, 720, 675 128: 2, 701, 384 128. 1: 2, 698, 957 2, 709, 832 129: 2, 700, 789 2, 712, 670 2, 724, 144 2, 725, 589 130: 2, 700, 790 131: 2, 723, 418 135: 2, 703, 430 2, 725, 590 138: 2, 716, 775 140: 2, 698, 958	16— 140: 2, 699, 569 2, 700, 791 2, 717, 412 141: 2, 709, 275 2, 711, 556 144: 2, 707, 797 2, 723, 419 145: 2, 706, 307 2, 723, 420 146: 2, 707, 302 2, 722, 035 147: 2, 698, 457 2, 703, 431 151: 2, 717, 413 153: Re.24,059 2, 702, 399 154: 2, 705, 338 2, 718, 026 158: 2, 708, 286 159: 2, 714, 741 163: 2, 698, 959 2, 702, 400 2, 707, 798 2, 720, 676 164: 2, 709, 276 2, 721, 353 166: 2, 702, 401 2, 714, 742 169: 2, 719, 322 171: 2, 722, 034 177: 2, 713, 180 179: 2, 714, 743 2, 720, 677 180: 2, 707, 799 2, 707, 800 185: 2, 700, 175 189: 2, 706, 828 191: 2, 706, 829 197: 2, 702, 920 198: 2, 702, 402 2, 715, 747 202: 2, 721, 354 17— 1: 2, 699, 570 2, 699, 571 2, 701, 385 2, 702, 403 2, 702, 404 2, 708, 768 2, 722, 036 2, 725, 591 2: 2, 702, 921 2, 712, 152 2, 716, 776 4: 2, 704, 377 2, 704, 378 2, 712, 153 2, 714, 221 2, 722, 711 5: 2, 702, 922 2, 722, 037 7: 2, 720, 001 8: 2, 717, 414 2, 725, 592 11: 2, 707, 303 2, 708, 769 2, 718, 027 2, 722, 712 2, 723, 421 2, 728, 102 11. 1: 2, 704, 857 2, 714, 222 2, 716, 257 11. 2: 2, 710, 985 2, 727, 273 11. 3: 2, 705, 339 2, 705, 340 2, 715, 748 18: 2, 720, 002 26: 2, 704, 858 2, 704, 859 2, 718, 028 32: 2, 702, 405 2, 706, 830 2, 708, 287 2, 717, 421 2, 717, 415 2, 722, 713 42: 2, 722, 714 43: 2, 720, 678 2, 726, 421 45: 2, 698, 960 2, 698, 961 2, 700, 792 2, 700, 793 2, 701, 386 2, 701, 387 2, 712, 152 2, 712, 671 2, 714, 223 2, 715, 749 2, 722, 715 2, 725, 593 18— 1: 2, 702, 406 2, 703, 432 2, 707, 304 2, 709, 833	18— 1: 2, 710, 423 2, 710, 986 2, 711, 557 2, 715, 244 2, 718, 658 2, 718, 659 2, 718, 660 2, 719, 323 2: 2, 698, 962 2, 723, 422 2, 726, 922 2, 728, 103 2. 5: 2, 702, 407 2, 717, 416 2, 724, 859 2. 6: 2, 700, 176 2, 701, 388 2. 7: 2, 714, 224 3. 5: 2, 704, 379 2, 706, 831 2, 715, 750 2, 725, 594 2, 701, 894 2, 705, 344 2, 705, 814 2, 707, 803 2, 707, 802 2, 708, 288 2, 709, 277 2, 724, 147 34. 1: 2, 703, 435 35: 2, 700, 179 2, 723, 426 36: 2, 698, 461 2, 698, 462 2, 701, 894 2, 705, 344 2, 705, 814 2, 707, 803 2, 724, 862 2, 726, 923 38: 2, 700, 180 2, 706, 832 2, 724, 863 39: 2, 707, 804 2, 717, 422 2, 719, 327 2, 728, 106 42: 2, 700, 796 2, 704, 861 2, 705, 345 2, 710, 990 2, 712, 159 2, 718, 031 2, 724, 869 2, 718, 032 2, 720, 003 2, 722, 717 2, 724, 864 2, 724, 865 45: 2, 699, 575 2, 700, 181 2, 701, 895 47: 2, 705, 669 47. 2: 2, 699, 576 2, 728, 107 47. 3: 2, 722, 718 2, 724, 866 47. 5: 2, 704, 381 2, 704, 382 2, 709, 835 2, 714, 746 2, 717, 423 2, 717, 424 2, 718, 665 2, 719, 328 2, 724, 867 2, 728, 108 48: 2, 702, 410 2, 702, 923 2, 702, 924 2, 706, 310 2, 706, 311 2, 707, 308 2, 712, 672 2, 714, 747 2, 714, 748 2, 719, 329 2, 722, 038 2, 726, 924 53: 2, 700, 182 2, 700, 183 2, 703, 436 2, 713, 699 2, 716, 778 54: 2, 699, 983 2, 702, 230 2, 702, 231 2, 703, 270 2, 705, 183 2, 705, 184 2, 706, 674 2, 708, 617 2, 712, 489 2, 712, 490 2, 716, 049 2, 716, 586 2, 718, 452 2, 719, 073 2, 719, 776 2, 721, 112 2, 721, 113 2, 721, 114 2, 721, 785 2, 723, 900 2, 724, 634 2, 728, 630 2, 728, 631 54. 7: 2, 728, 109 55: 2, 698, 463	18— 55: 2, 698, 464 2, 698, 966 2, 719, 330 2, 720, 004 2, 721, 356 2, 721, 357 2, 722, 719 2, 728, 110 55. 05: 2, 712, 160 55. 1: 2, 700, 184 2, 705, 815 56: 2, 702, 411 57: 2, 698, 967 2, 701, 391 2, 707, 805 2, 708, 289 2, 710, 426 2, 718, 666 58: 2, 698, 968 2, 708, 773 2, 709, 277 58. 3: 2, 710, 427 58. 4: 2, 718, 667 58. 7: 2, 709, 279 2, 712, 161 59: 2, 698, 969 2, 700, 185 2, 700, 186 2, 701, 392 2, 703, 437 2, 705, 346 2, 705, 816 2, 709, 280 2, 713, 700 2, 718, 033 2, 718, 668 2, 719, 331 2, 720, 681 2, 722, 720 2, 724, 868 2, 724, 869 2, 726, 925 2, 727, 278 59. 2: 2, 710, 991 2, 714, 227 61: 2, 706, 833 19— .51: 2, 719, 336 .56: 2, 706, 834 7: 2, 706, 312 2, 721, 358 2, 725, 598 24: 2, 719, 332 28: 2, 722, 039 37: 2, 712, 673 44: 2, 724, 148 59: 2, 718, 669 65: 2, 725, 599 66: 2, 698, 970 2, 700, 187 2, 700, 188 2, 705, 347 2, 707, 806 67: 2, 704, 862 69: 2, 703, 438 2, 727, 279 75: 2, 715, 246 78: 2, 712, 162 91: 2, 709, 281 94: 2, 721, 359 97: 2, 700, 189 98: 2, 711, 562 100: 2, 721, 360 106: 2, 698, 465 2, 703, 439 2, 724, 870 109: 2, 700, 190 2, 712, 674 116: 2, 712, 163 130: 2, 710, 428 2, 715, 754 2, 728, 112 131: 2, 703, 440 2, 704, 863 2, 705, 348 2, 708, 290 2, 716, 779 2, 717, 425 134: 2, 707, 309 2, 714, 228 2, 728, 111 135: 2, 705, 817 2, 705, 818 2, 707, 807 2, 717, 426 137: 2, 725, 600 139: 2, 711, 563 2, 719, 333 2, 719, 334 2, 719, 335 2, 724, 149 140: 2, 718, 670 142: 2, 700, 191 2, 714, 229 2, 716, 780 2, 727, 280	19— 143: 2, 699, 577 144. 5: 2, 709, 836 2, 714, 230 2, 716, 259 145: 2, 710, 429 146: 2, 712, 675 2, 718, 671 148: 2, 725, 601 150: 2, 698, 972 151: 2, 726, 422 153: 2, 717, 427 156: 2, 703, 441 2, 714, 749 2, 715, 755 2, 719, 337 2, 720, 005 2, 726, 423 157: 2, 713, 701 159: 2, 700, 797 2, 719, 338 2, 728, 113 160: 2, 720, 006 2, 720, 007 161: 2, 709, 282 2, 710, 992 163: 2, 713, 182 165: 2, 712, 676 2, 716, 781 20— .5: 2, 727, 281 2, 727, 282 1: 2, 709, 283 2, 715, 756 2, 716, 260 2, 716, 782 2, 722, 040 1. 1: 2, 698, 973 1. 11: 2, 701, 393 2, 718, 672 1. 12: 2, 700, 798 2, 703, 910 1. 126: 2, 704, 383 2, 706, 835 2, 724, 150 1. 13: 2, 698, 974 2, 717, 428 1. 2: 2, 724, 151 1. 4: 2, 724, 871 1. 6: 2, 709, 837 2, 715, 757 2: 2, 702, 412 2, 702, 413 2, 705, 349 2, 706, 313 2, 706, 836 2, 709, 838 2, 712, 164 2, 712, 677 2, 714, 231 2, 717, 429 2, 724, 152 2, 725, 602 2, 728, 114 2, 728, 115 4: 2, 700, 799 2, 703, 911 2, 704, 864 2, 704, 865 2, 706, 314 2, 706, 315 2, 708, 292 2, 710, 430 2, 710, 431 2, 712, 678 2, 714, 750 2, 716, 261 2, 718, 034 2, 727, 283 5: 2, 718, 673 2, 718, 674 2, 724, 872 11: 2, 706, 837 2, 711, 564 2, 724, 153 2, 727, 284 12: Re.23,931 2, 717, 430 2, 718, 035 2, 720, 682 2, 725, 603 15: 2, 706, 838 16: 2, 702, 925 2, 708, 293 2, 718, 036 19: 2, 701, 896 23: 2, 698, 466 2, 701, 394 26: 2, 724, 154 30: 2, 700, 192 2, 700, 193 35: 2, 699, 578 2, 700, 194 2, 700, 195 2, 701, 395 2, 703, 442
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20— 35: 2, 703, 443 2, 707, 310 2, 707, 808 2, 708, 294 2, 710, 993 2, 720, 683 2, 725, 604 2, 726, 424 38: 2, 722, 721 40: 2, 714, 232 2, 727, 285 40. 5: 2, 701, 897 2, 704, 384 2, 718, 037 2, 719, 339 2, 725, 605 2, 728, 116 42: 2, 700, 800 2, 704, 385 2, 706, 839 2, 707, 809 2, 709, 839 2, 718, 675 2, 718, 676 2, 720, 008 2, 722, 041 45: 2, 707, 311 49: 2, 707, 312 52: 2, 700, 801 2, 704, 866 2, 719, 340 2, 721, 361 52. 2: 2, 709, 840 2, 715, 247 2, 728, 117 52. 4: 2, 722, 723 52. 6: 2, 715, 248 53: 2, 699, 579 2, 716, 262 55: 2, 701, 396 2, 701, 898 2, 702, 414 2, 715, 249 2, 716, 783 2, 724, 155 56. 1: 2, 705, 350 56. 4: 2, 700, 196 2, 716, 784 2, 723, 427 56. 5: 2, 698, 975 2, 707, 810 2, 708, 774 2, 710, 994 2, 719, 341 2, 720, 009 2, 724, 873 2, 725, 606 57. 5: 2, 701, 397 2, 705, 351 2, 708, 775 2, 709, 841 2, 710, 995 2, 714, 233 2, 714, 234 2, 716, 785 2, 720, 010 2, 720, 684 2, 722, 042 2, 724, 874 2, 724, 875 2, 726, 425 62: 2, 700, 802 2, 700, 803 2, 704, 386 2, 708, 295 2, 716, 786 2, 717, 431 2, 718, 038 2, 726, 426 64: 2, 718, 677 2, 722, 724 2, 728, 118 66: 2, 719, 342 68: 2, 728, 119 69: Re. 23, 920 2, 699, 580 2, 699, 581 2, 699, 582 2, 700, 197 2, 701, 899 2, 702, 415 2, 702, 416 2, 704, 387 2, 704, 867 2, 707, 812 2, 710, 432 2, 715, 250 2, 716, 787 2, 716, 788 2, 718, 678 2, 719, 343 2, 720, 011 2, 720, 685 2, 722, 043 2, 724, 876	20— 69: 2, 724, 877 70: 2, 705, 819 71: 2, 711, 565 2, 718, 039 2, 722, 722 2, 726, 427 74: 2, 705, 820 2, 725, 607 2, 725, 608 89: 2, 708, 296 92: 2, 701, 398 2, 702, 926 2, 714, 751 2, 717, 432 2, 722, 725 2, 727, 286 92. 4: 2, 703, 912 92. 7: 2, 706, 316 2, 706, 317 93: 2, 728, 120 95: 2, 704, 868 98: 2, 710, 996 99: 2, 721, 362 100: 2, 724, 156 101: 2, 699, 583 2. 5: 2, 711, 360 2, 717, 196 53: 2, 715, 056 94: 2, 704, 869 98: 2, 713, 702 2, 715, 251 107: 2, 728, 121 111: 2, 720, 012 119: 2, 724, 157 126: 2, 720, 013 1: 2, 713, 703 2, 723, 428 5. 5: 2, 702, 927 10: 2, 702, 417 2, 711, 566 2, 716, 789 13: 2, 702, 418 2, 708, 776 20: 2, 724, 158 2, 724, 878 2, 724, 879 24: 2, 701, 900 31: 2, 718, 679 2, 728, 122 36: 2, 705, 821 2, 721, 363 38: 2, 724, 880 42: 2, 698, 976 2, 715, 758 45: 2, 726, 428 48: 2, 726, 429 57: 2, 704, 388 2, 713, 704 57. 2: 2, 698, 467 2, 707, 813 2, 708, 297 2, 709, 284 2, 709, 842 2, 714, 752 2, 715, 252 2, 726, 430 57. 4: 2, 701, 901 2, 710, 433 2, 714, 235 58: 2, 718, 040 2, 727, 287 64: 2, 705, 352 2, 722, 726 65: 2, 714, 236 2, 727, 288 70: 2, 717, 433 2, 724, 159 73: 2, 713, 183 2, 716, 790 78: 2, 708, 298 79: 2, 707, 313 2, 713, 705 2, 721, 364 2, 728, 123 89: 2, 698, 977 2, 709, 843 2, 714, 237 90: 2, 718, 041 92: 2, 711, 567 93: 2, 711, 568 95: 2, 718, 680 95. 7: 2, 700, 198 107: 2, 700, 804 112: 2, 698, 468 2, 701, 399 2, 709, 285 116: 2, 710, 434 2, 711, 569 136: 2, 699, 584 146: 2, 706, 840 156: 2, 713, 184 192: 2, 712, 165 193: 2, 705, 822 2, 720, 687	22— 193: 2, 726, 431 194: 2, 718, 681 195: 2, 711, 570 196: 2, 701, 902 2, 703, 913 200: 2, 716, 791 200. 1: 2, 698, 978 2, 702, 419 2, 705, 353 200. 5: 2, 710, 997 202: 2, 728, 124 204: 2, 712, 166 209: 2, 716, 792 214: 2, 724, 160 216: 2, 698, 469 217: 2, 707, 314 23— 1: Re. 23, 942 2, 716, 050 2, 716, 587 2, 723, 180 2, 726, 135 2, 726, 136 2, 726, 137 2, 728, 632 2: 2, 701, 750 2, 712, 978 2, 718, 453 2, 718, 454 14: 2, 715, 057 2, 715, 561 2, 720, 444 2, 726, 926 14. 5: 2, 703, 271 2, 711, 361 2, 711, 362 2, 712, 979 2, 719, 777 2, 723, 181 2, 723, 901 2, 725, 278 2, 725, 279 2, 727, 806 2, 728, 633 16: 2, 721, 115 2, 721, 116 2, 721, 117 19: 2, 722, 471 31: 2, 704, 702 2, 726, 138 48: 2, 726, 927 51: 2, 702, 232 53: 2, 715, 562 64: 2, 704, 239 75: 2, 710, 243 2, 712, 491 2, 712, 492 76: 2, 712, 980 79: 2, 708, 151 2, 726, 139 84: 2, 710, 788 85: 2, 711, 363 87: 2, 701, 179 2, 701, 180 2, 702, 738 2, 715, 058 2, 716, 051 2, 719, 074 2, 720, 445 2, 723, 902 2, 723, 903 2, 726, 140 88: 2, 708, 618 2, 714, 053 2, 717, 197 2, 723, 182 2, 724, 635 2, 726, 928 2, 728, 634 89: 2, 703, 272 91: 2, 705, 185 93: 2, 705, 186 96: 2, 701, 181 102: 2, 710, 789 103: 2, 720, 446 2, 723, 183 105: 2, 703, 747 106: 2, 715, 059 2, 717, 198 107: 2, 708, 619 109: 2, 722, 472 2, 728, 635 110: 2, 710, 244 114: 2, 715, 563 117: 2, 716, 052 2, 724, 636 2, 724, 637 2, 726, 929 2, 728, 636 121: 2, 706, 144 2, 706, 145 125: 2, 716, 588 126: 2, 718, 455 129: 2, 705, 187 2, 719, 075 131: 2, 716, 589	23— 134: 2, 709, 126 2, 722, 473 2, 728, 637 137: 2, 719, 076 139: 2, 718, 456 140: 2, 702, 739 2, 704, 240 143: 2, 701, 751 2, 701, 752 2, 707, 669 145: 2, 714, 054 147: 2, 727, 807 148: 2, 727, 808 150: 2, 712, 981 2, 726, 930 151: 2, 706, 675 2, 710, 245 2, 712, 493 2, 716, 590 2, 718, 457 2, 723, 184 2, 723, 185 2, 726, 931 152: 2, 710, 246 2, 726, 141 153: 2, 702, 233 2, 706, 676 2, 726, 932 154: 2, 705, 670 2, 717, 199 2, 726, 142 157: 2, 725, 280 165: 2, 699, 985 2, 706, 146 2, 708, 620 2, 710, 247 2, 716, 591 172: 2, 716, 592 2, 724, 638 174: 2, 716, 593 2, 716, 594 177: 2, 699, 375 2, 726, 143 179: 2, 726, 933 182: 2, 699, 376 2, 715, 060 183: 2, 726, 144 184: 2, 699, 377 2, 718, 458 186: 2, 724, 639 190: 2, 708, 152 2, 708, 153 2, 710, 248 2, 709, 128 2, 717, 200 2, 717, 201 2, 719, 778 2, 721, 786 2, 726, 934 2, 726, 935 193: 2, 701, 182 2, 707, 670 194: 2, 706, 147 197: 2, 707, 671 200: 2, 705, 188 2, 716, 595 2, 723, 904 201: 2, 703, 273 2, 703, 748 202: 2, 721, 787 2, 723, 186 203: 2, 712, 494 2, 719, 077 2, 728, 638 204: 2, 702, 234 2, 702, 740 2, 711, 946 206: 2, 708, 154 2, 709, 639 2, 712, 982 2, 712, 983 2, 712, 984 2, 712, 985 207: 2, 724, 640 209. 1: 2, 707, 672 2, 707, 673 2, 719, 779 209. 4: 2, 705, 189 2, 714, 055 209. 5: 2, 716, 053 209. 8: 2, 719, 078 209. 9: 2, 698, 777 2, 707, 674 212: 2, 699, 986 216: 2, 710, 249 219: 2, 714, 550 224: 2, 700, 592 225: 2, 724, 641 230: 2, 700, 593 2, 708, 155 2, 709, 127 2, 712, 986 2, 716, 596 2, 725, 281 232: 2, 728, 639	23— 232: 2, 699, 378 253: 2, 701, 183 2, 725, 282 2, 725, 283 2, 726, 936 259: 2, 718, 459 259. 2: 2, 709, 640 259. 3: 2, 713, 534 2, 727, 809 259. 5: 2, 705, 190 260: 2, 704, 703 2, 715, 061 2, 726, 937 262: 2, 702, 235 2, 717, 825 2, 719, 780 263: 2, 725, 284 267: 2, 704, 241 2, 710, 250 270: 2, 703, 274 2, 714, 551 2, 722, 474 270. 5: 2, 701, 184 2, 702, 236 2, 709, 641 2, 710, 790 2, 726, 145 271: 2, 699, 379 272: 2, 723, 905 277: 2, 708, 156 2, 715, 565 278: 2, 703, 749 2, 705, 671 279: 2, 704, 242 281: 2, 714, 552 2, 721, 788 282: 2, 721, 789 283: 2, 702, 741 2, 717, 202 2, 728, 640 284: 2, 699, 380 2, 699, 987 2, 700, 594 2, 701, 185 2, 703, 275 2, 708, 621 2, 721, 118 285: 2, 709, 642 2, 720, 447 288: 2, 699, 988 2, 699, 989 2, 700, 595 2, 702, 742 2, 709, 128 2, 715, 566 2, 715, 567 2, 715, 568 2, 715, 569 2, 715, 570 2, 716, 054 2, 718, 460 2, 722, 475 2, 722, 476 2, 726, 146 2, 726, 938 2, 727, 810 2, 728, 641 2, 728, 642 290. 5: 2, 706, 148 292: 2, 698, 778 293: 2, 698, 779 310: 2, 701, 753 2, 714, 056 2, 721, 790 2, 726, 939 311: 2, 709, 643 314: 2, 699, 381 24— 16: 2, 699, 585 23: 2, 710, 435 30. 5: 2, 700, 805 2, 702, 930 33: 2, 705, 823 49: 2, 713, 706 2, 723, 429 68: 2, 699, 586 2, 710, 436 2, 710, 998 69: 2, 710, 437 71: 2, 703, 914 71. 1: 2, 705, 824 72. 5: 2, 724, 881 2, 698, 470 2, 698, 979 2, 704, 870 2, 709, 287 2, 713, 185 2, 713, 186 2, 716, 263 2, 720, 014 2, 723, 430 2, 723, 431 2, 723, 432 2, 724, 882 2, 724, 883	24— 73: 2, 725, 609 77: 2, 704, 871 81: 2, 712, 167 84: 2, 711, 571 2, 716, 793 85: 2, 700, 806 86: 2, 708, 777 90: 2, 723, 433 104: 2, 713, 187 108: 2, 715, 253 110: 2, 713, 707 113: 2, 701, 400 2, 716, 794 2, 717, 434 116: 2, 702, 928 123: 2, 699, 587 2, 700, 199 125: 2, 698, 471 2, 700, 807 2, 708, 299 129: 2, 709, 844 131: 2, 708, 778 132: 2, 705, 354 134: 2, 716, 264 136: 2, 700, 808 137: 2, 720, 688 2, 721, 365 150: 2, 704, 389 2, 714, 238 2, 718, 042 2, 718, 682 152: 2, 705, 355 156: 2, 709, 288 2, 719, 344 163: 2, 720, 689 178: 2, 714, 753 2, 718, 043 194: Re. 24, 071 2, 698, 980 196: 2, 723, 434 197: 2, 710, 999 198: 2, 713, 708 200: 2, 709, 289 2, 727, 289 201: 2, 700, 200 2, 715, 759 204: 2, 709, 290 205. 11: 2, 701, 401 2, 728, 125 205. 12: 2, 715, 254 205. 13: Re. 23, 980 2, 720, 015 2, 727, 290 205. 14: 2, 699, 588 2, 705, 356 2, 715, 255 205. 15: 2, 701, 903 2, 721, 366 2, 721, 367 213: 2, 698, 472 2, 708, 779 2, 724, 884 216: 2, 724, 161 2, 724, 162 218: 2, 698, 473 2, 718, 044 221: Re. 24, 028 2, 714, 754 223: 2, 724, 163 227: 2, 703, 915 230: 2, 725, 610 230. 5: 2, 727, 291 237: 2, 700, 809 239: 2, 701, 402 241: 2, 705, 357 2, 706, 318 243: 2, 720, 016 245: 2, 723, 435 249: 2, 722, 727 253: 2, 703, 444 255: 2, 716, 795 257: 2, 698, 474 260: 2, 704, 872 263: 2, 699, 589 2, 700, 201 2, 702, 929 274: 2, 718, 045 277: 2, 719, 345 279: 2, 711, 572 2, 724, 885 2, 727, 292 25— 1: 2, 705, 358 2: 2, 707, 315 8: 2, 713, 188 17: 2, 715, 256 23: 2, 718, 683 26: 2, 724, 164 27: 2, 698, 981 30: 2, 701, 403 2, 703, 916 2, 706, 319 2, 717, 435 2, 722, 044 2, 724, 886
---	--	---	--	---	--



25— 32: 2, 718, 684	26— 51. 5: 2, 701, 405	29—25. 42: 2, 727, 297	29—182. 5: 2, 698, 990	29— 477: 2, 726, 437	30— 41: 2, 716, 278
37: 2, 712, 679	54: 2, 715, 761	33: 2, 706, 847	182. 7: 2, 711, 009	2, 727, 301	41. 5: 2, 716, 279
38: 2, 704, 873	57: 2, 723, 438	2, 711, 006	182. 8: 2, 714, 245	477. 7: 2, 715, 263	2, 720, 696
2, 711, 000	60: 2, 719, 349	2, 711, 007	190: 2, 700, 211	479: 2, 721, 379	2, 727, 303
39: 2, 712, 680	62: 2, 708, 784	2, 713, 713	194: 2, 703, 922	487: 2, 716, 276	43: 2, 700, 215
40: 2, 716, 265	2, 724, 888	2, 714, 759	195: 2, 698, 991	488: 2, 726, 438	2, 702, 816
41: 2, 700, 810	63: 2, 708, 785	34: 2, 711, 574	2, 700, 212	494: 2, 723, 448	2, 701, 414
2, 701, 904	2, 712, 681	2, 716, 798	2, 705, 830	2, 723, 449	2, 702, 938
2, 706, 320	2, 712, 682	2, 728, 133	2, 709, 847	504: 2, 712, 175	2, 702, 939
44: 2, 708, 300	2, 718, 046	38: 2, 704, 391	2, 714, 246	511: 2, 724, 893	2, 719, 356
45: 2, 712, 168	68: 2, 728, 129	66: 2, 700, 813	2, 716, 271	522: 2, 722, 050	2, 723, 452
2, 719, 346	2: 2, 708, 301	69: 2, 707, 816	2, 719, 355	526: 2, 709, 848	2, 726, 445
2, 723, 436	2, 708, 302	2, 709, 846	2, 725, 617	2, 718, 691	45: 2, 721, 382
61: 2, 699, 590	14: 2, 724, 167	2, 723, 443	196: 2, 713, 196	527: 2, 704, 884	46: 2, 712, 691
83: 2, 716, 796	19: 2, 718, 687	2, 714, 242	2, 714, 760	529: 2, 707, 324	47: 2, 699, 602
89: 2, 704, 874	21: 2, 709, 293	2, 722, 731	196. 2: 2, 708, 304	534: 2, 702, 429	2, 709, 849
100: 2, 713, 709	35: 2, 705, 828	79: 2, 703, 446	2, 715, 259	540: 2, 699, 596	2, 716, 810
105: 2, 713, 189	2, 724, 168	80: 2, 721, 375	196. 3: 2, 709, 295	543: 2, 703, 925	2, 716, 811
107: 2, 712, 169	2, 724, 889	81: 2, 701, 407	196. 6: 2, 706, 329	547: 2, 702, 937	2, 720, 697
118: 2, 702, 931	28— 1: 2, 710, 439	2, 727, 298	2, 711, 010	548: 2, 716, 805	49: 2, 710, 446
2, 705, 825	2, 719, 350	89. 5: 2, 714, 243	197. 5: 2, 726, 436	2, 716, 806	50: 2, 713, 201
2, 711, 001	2, 724, 169	90: 2, 701, 408	200: 2, 706, 330	2, 718, 052	2, 715, 267
2, 713, 710	5: 2, 708, 303	95: 2, 713, 714	203: 2, 706, 331	552: 2, 709, 933	53: 2, 703, 449
2, 718, 685	15: 2, 707, 316	95. 1: 2, 726, 435	2, 714, 761	556: 2, 704, 396	57: 2, 709, 850
2, 722, 045	2, 723, 439	96: 2, 704, 881	2, 714, 761	1: 2, 707, 325	2, 709, 851
2, 727, 293	2, 726, 434	2, 706, 327	205: 2, 703, 923	1. 5: 2, 718, 692	58: 2, 710, 447
121: 2, 708, 780	19: 2, 710, 440	2, 710, 442	2, 716, 803	2, 722, 736	59: 2, 703, 927
2, 721, 368	21: 2, 702, 426	2, 716, 799	206: 2, 711, 011	2: 2, 724, 178	2, 709, 297
2, 725, 611	2, 719, 351	2, 716, 800	208: 2, 698, 478	3: 2, 711, 578	60. 5: 2, 698, 995
124: 2, 706, 841	2, 721, 371	98: 2, 699, 595	2, 707, 818	2, 711, 579	2, 699, 603
127: 2, 704, 875	2, 722, 729	103: 2, 698, 477	224: 2, 716, 272	2, 714, 247	2, 715, 768
2, 706, 321	2, 723, 440	2, 698, 988	227: 2, 721, 376	4: 2, 703, 448	2, 700, 216
128: 2, 728, 126	28: 2, 698, 983	2, 707, 817	229: 2, 716, 273	2, 703, 926	2, 701, 910
130: 2, 707, 814	2, 698, 984	2, 718, 689	235: 2, 699, 600	2, 706, 852	64: 2, 715, 268
131: 2, 702, 420	2, 698, 985	105: 2, 706, 848	2, 718, 050	2, 710, 444	66: 2, 708, 310
2, 702, 421	2, 700, 203	2, 712, 686	238: 2, 715, 260	2, 712, 176	73: 2, 700, 817
2, 702, 422	2, 702, 934	2, 716, 801	242: 2, 708, 305	2, 712, 689	2, 707, 327
2, 702, 423	2, 714, 240	106: 2, 701, 906	244: 2, 725, 618	2, 713, 198	2, 712, 178
2, 704, 390	32: 2, 705, 361	113: 2, 704, 392	252: 2, 706, 849	2, 713, 199	85: 2, 714, 248
2, 704, 876	2, 724, 170	116: 2, 703, 918	2, 715, 261	6. 1: 2, 698, 992	91: 2, 721, 383
2, 705, 359	2, 725, 613	123: 2, 720, 691	264: 2, 721, 377	2, 704, 885	2, 721, 384
2, 706, 842	35: 2, 723, 441	128: 2, 722, 046	265: 2, 720, 021	2, 712, 177	92: 2, 711, 583
2, 708, 781	39: 2, 728, 130	148. 3: 2, 719, 353	266: 2, 705, 831	2, 712, 690	94: 2, 716, 812
2, 708, 782	40: 2, 706, 846	148. 4: 2, 700, 814	267: 2, 700, 815	2, 715, 264	95: 2, 717, 440
2, 709, 291	44: 2, 713, 192	2, 704, 393	280: 2, 716, 274	2, 718, 053	97: 2, 699, 604
2, 709, 292	45: 2, 707, 317	2, 711, 575	283: 2, 703, 924	2, 721, 380	101: 2, 716, 280
2, 711, 002	49: 2, 717, 117	2, 720, 692	284: 2, 701, 908	2, 721, 381	102: 2, 706, 853
2, 711, 573	51: 2, 705, 362	149. 5: 2, 700, 208	2, 711, 576	2, 722, 051	2, 718, 058
2, 713, 190	55: 2, 728, 131	2, 700, 209	287: 2, 699, 601	2, 722, 737	103: 2, 700, 818
2, 713, 711	55. 5: 2, 728, 132	2, 700, 210	2, 724, 175	2, 723, 450	107: 2, 728, 137
2, 715, 257	64: 2, 700, 204	2, 701, 409	288: 2, 725, 619	2, 725, 622	108: 2, 728, 138
2, 715, 760	70: 2, 720, 020	2, 701, 907	289: 2, 707, 819	2, 726, 439	117: 2, 709, 298
2, 717, 436	72: Re. 24, 007	2, 722, 047	400: 2, 725, 620	6. 3: 2, 698, 993	120: 2, 708, 311
2, 719, 347	2, 698, 986	2, 724, 172	401: 2, 722, 734	8: 2, 698, 994	123: 2, 698, 996
2, 723, 437	2, 699, 593	2, 728, 134	402: 2, 711, 012	2, 711, 580	2, 707, 827
2, 724, 165	2, 700, 205	150: 2, 724, 890	2, 713, 716	9: 2, 725, 623	2, 711, 016
2, 726, 432	2, 717, 437	152: 2, 707, 320	407: 2, 707, 321	10: 2, 698, 479	2, 714, 441
2, 727, 294	2, 719, 352	152. 2: 2, 698, 989	409: 2, 723, 446	2, 718, 054	2, 724, 179
2, 728, 127	72. 2: 2, 706, 324	155. 5: 2, 701, 410	410: 2, 723, 447	15: 2, 711, 581	124: 2, 708, 312
131. 5: 2, 702, 932	72. 3: 2, 712, 171	2, 701, 411	413: 2, 725, 621	2, 718, 055	2, 711, 584
2, 714, 755	74: 2, 707, 318	2, 711, 008	414: 2, 711, 577	2, 715, 265	2, 715, 769
132: 2, 711, 003	2, 712, 683	2, 716, 268	419: 2, 724, 176	2, 718, 056	125: 2, 709, 299
153: 2, 713, 712	76: 2, 701, 406	155. 54: 2, 716, 269	420: 2, 721, 378	2, 718, 056	130: 2, 711, 017
154: 2, 701, 905	2, 713, 193	155. 55: 2, 699, 597	421: 2, 707, 820	16: 2, 698, 480	135: 2, 715, 269
2, 702, 424	2, 714, 757	2, 700, 206	2, 708, 306	2, 701, 413	138: 2, 700, 819
2, 705, 360	2, 715, 762	2, 712, 687	2, 718, 048	2, 716, 277	142: 2, 704, 398
2, 705, 826	78: 2, 704, 878	2, 713, 194	423: 2, 706, 850	2, 716, 808	2, 719, 357
2, 709, 845	2, 714, 758	2, 715, 764	2, 718, 057	2, 718, 057	151. 1: 2, 717, 442
2, 719, 348	2, 718, 047	2, 727, 295	2, 723, 451	2, 722, 738	152: 2, 718, 695
2, 725, 612	2, 727, 295	2, 723, 444	22: 2, 711, 013	24: 2, 722, 738	153: 2, 714, 249
155: 2, 698, 475	80: 2, 702, 933	2, 725, 615	2, 726, 440	2, 726, 440	155: 2, 728, 139
2, 706, 322	2, 722, 730	2, 727, 299	2, 708, 788	2, 727, 302	159: 2, 705, 832
2, 706, 843	82: 2, 715, 763	155. 56: 2, 720, 693	2, 717, 439	27: 2, 698, 481	162: 2, 710, 448
2, 708, 783	29— 1. 1: 2, 725, 614	155. 57: 2, 702, 935	2, 722, 049	30: 2, 700, 213	164. 8: 2, 720, 023
2, 720, 017	4. 5: 2, 700, 811	2, 713, 715	432: 2, 707, 322	2, 716, 809	2, 726, 446
2, 721, 369	2, 700, 812	155. 58: 2, 700, 207	2, 707, 821	2, 722, 739	165: 2, 719, 358
155. 5: 2, 724, 887	13: 2, 723, 442	2, 702, 936	2, 713, 197	2, 726, 441	166: 2, 698, 997
156: 2, 699, 591	17: 2, 714, 241	2, 725, 616	441: 2, 715, 766	31: 2, 704, 886	167: 2, 703, 928
2, 702, 425	20: 2, 715, 258	155. 61: 2, 718, 049	2, 718, 051	2, 711, 014	2, 713, 717
2, 703, 445	21: 2, 706, 325	156: 2, 706, 328	453: 2, 716, 804	2, 718, 693	180: 2, 714, 250
2, 706, 844	2, 711, 004	156. 4: 2, 724, 173	456: 2, 706, 851	2, 720, 695	2, 722, 740
2, 718, 686	25. 12: 2, 712, 685	156. 8: 2, 699, 598	459: 2, 716, 275	2, 725, 624	200: 2, 713, 718
2, 726, 433	2, 717, 438	2, 712, 688	463: 2, 708, 307	2, 726, 442	2, 718, 696
157: 2, 714, 239	25. 13: 2, 709, 294	2, 716, 270	464: 2, 702, 428	32: 2, 704, 397	201: 2, 702, 940
2, 724, 166	25. 14: 2, 704, 879	2, 723, 445	467: 2, 705, 363	2, 713, 200	2, 722, 741
2, 728, 128	25. 18: 2, 721, 372	157: 2, 701, 412	2, 720, 694	34: 2, 711, 015	202: 2, 703, 450
26— 1: 2, 706, 845	25. 19: 2, 716, 267	2, 704, 394	470. 1: 2, 701, 483	2, 711, 582	2, 707, 328
2, 712, 170	2, 720, 690	2, 713, 195	2, 707, 822	2, 715, 266	2, 725, 627
7: 2, 705, 827	2, 721, 373	157. 1: 2, 705, 829	2, 707, 823	2, 718, 694	2, 726, 447
11: 2, 722, 728	2, 721, 374	2, 728, 135	2, 707, 825	2, 725, 625	206: 2, 699, 605
12: 2, 710, 438	25. 2: 2, 698, 987	157. 3: 2, 703, 921	2, 707, 826	2, 726, 443	210: 2, 704, 887
15: 2, 704, 877	25. 3: 2, 699, 594	2, 716, 802	2, 707, 889	40: 2, 698, 482	2, 717, 443
18. 5: 2, 706, 323	2, 703, 917	2, 719, 354	470. 9: 2, 707, 323	2, 700, 214	211: 2, 714, 762
2, 700, 202	2, 707, 319	2, 722, 048	471. 5: 2, 704, 883	2, 705, 364	212: 2, 703, 929
2, 714, 756	2, 711, 005	2, 722, 732	2, 718, 690	2, 708, 308	215: 2, 722, 052
2, 720, 018	2, 712, 684	2, 722, 733	472. 7: 2, 701, 909	2, 708, 309	216: 2, 703, 930
18. 6: 2, 721, 370	25. 35: 2, 702, 427	157. 4: 2, 710, 443	472. 9: 2, 724, 177	2, 710, 445	221: 2, 714, 763
28: 2, 701, 404	2, 706, 326	157. 6: 2, 724, 891	2, 724, 892	2, 725, 626	223: 2, 711, 018
29: 2, 698, 476	2, 724, 171	159. 2: 2, 704, 882	473. 1: 2, 708, 787	2, 726, 444	2, 722, 742
2, 707, 815	2, 727, 296	160. 6: 2, 712, 173	2, 712, 174	41: 2, 705, 365	228: 2, 709, 300
2, 716, 797	25. 41: 2, 712, 172	176: 2, 708, 786	475: 2, 728, 136	2, 706, 332	2, 718, 059
51. 3: 2, 713, 191	25. 42: 2, 704, 880	180: 2, 699, 599	476. 5: 2, 720, 022	2, 707, 326	230: 2, 701, 415
51. 4: 2, 698, 982	2, 710, 441	2, 724, 174		2, 709, 296	232: 2, 707, 828
2, 716, 266				2, 715, 767	2, 724, 180



30—233. 5: 2, 721, 385	32— 48: 2, 715, 772	33— 79: 2, 708, 791	33— 174: 2, 716, 287	34— 37: 2, 702, 433	35— 9: 2, 701, 423
240: 2, 701, 911	49: 2, 723, 455	80: 2, 701, 918	2, 717, 452	41: 2, 725, 640	2, 706, 862
241: 2, 716, 813	58: 2, 709, 852	85: 2, 715, 777	2, 717, 453	44: 2, 722, 749	2, 720, 038
244: 2, 704, 888	60: 2, 715, 773	2, 723, 457	2, 717, 454	45: 2, 700, 225	2, 724, 910
248: 2, 712, 179	63: 2, 698, 483	2, 728, 142	2, 719, 360	2, 701, 421	10: 2, 712, 184
2, 720, 024	2, 700, 220	86: Re. 24, 044	2, 720, 031	2, 717, 455	10. 2: 2, 709, 308
254: 2, 713, 719	2, 709, 302	88: 2, 720, 705	2, 720, 032	2, 718, 066	2, 715, 782
260: 2, 725, 629	2, 714, 252	93: 2, 708, 792	2, 720, 708	2, 720, 037	2, 721, 397
262: 2, 715, 270	2, 720, 701	2, 726, 452	2, 723, 461	2, 727, 315	10. 4: 2, 713, 729
2, 721, 386	2, 722, 745	95: 2, 698, 999	2, 724, 187	49: 2, 724, 903	2, 720, 039
266: 2, 704, 399	2, 722, 746	2, 720, 706	2, 724, 899	51: 2, 709, 857	11: 2, 700, 227
268: 2, 728, 140	2, 725, 632	97: 2, 699, 609	2, 725, 637	52: 2, 702, 948	2, 715, 783
271: 2, 727, 304	66: 2, 698, 998	2, 706, 337	2, 726, 454	54: 2, 710, 455	12: 2, 701, 922
272: 2, 718, 697	67: 2, 703, 453	2, 707, 832	2, 727, 310	2, 711, 592	2, 711, 593
2, 718, 698	69: 2, 720, 702	2, 715, 778	2, 727, 311	57: 2, 702, 434	2, 711, 594
2, 718, 699	33— 1: 2, 700, 823	98: 2, 718, 063	2, 727, 312	2, 702, 949	2, 717, 459
273: 2, 728, 141	2, 702, 944	104: 2, 711, 025	175: 2, 721, 391	2, 707, 337	2, 722, 059
279: 2, 716, 281	2, 703, 454	2, 713, 205	177: 2, 704, 893	2, 707, 338	2, 724, 192
2, 727, 305	2, 706, 855	2, 713, 724	178: 2, 699, 001	2, 716, 290	13: 2, 710, 459
284: 2, 722, 743	2, 707, 330	2, 722, 055	2, 702, 946	2, 724, 190	2, 722, 060
286: 2, 700, 820	2, 710, 450	2, 706, 339	2, 724, 904	58: 2, 720, 711	17: 2, 704, 897
287: 2, 712, 692	2, 713, 203	2, 708, 859	2, 706, 345	60: 2, 723, 463	19: 2, 700, 831
289: 2, 702, 941	2, 715, 273	2, 708, 316	2, 719, 363	62: 2, 698, 489	2, 714, 260
290: 2, 726, 448	2, 715, 774	2, 712, 697	2, 720, 033	2, 715, 281	2, 716, 292
293: 2, 701, 416	2, 718, 061	2, 715, 779	2, 721, 392	2, 718, 067	2, 718, 071
2, 715, 271	2, 719, 359	2, 719, 361	2, 724, 188	65: 2, 700, 830	22: 2, 702, 950
294: 2, 705, 833	2, 720, 028	2, 707, 833	2, 716, 288	2, 701, 920	2, 715, 784
296: 2, 720, 698	2, 720, 029	2, 719, 362	2, 717, 456	2, 706, 345	23: 2, 721, 398
298: 2, 704, 889	2, 724, 182	2, 719, 363	2, 726, 455	66: 2, 713, 212	24: 2, 706, 348
299: 2, 725, 630	2, 724, 183	2, 720, 033	2, 726, 456	68: 2, 724, 191	2, 706, 349
305: 2, 724, 181	2, 724, 895	2, 721, 392	2, 718, 711	74: 2, 722, 057	25: 2, 708, 319
310: 2, 716, 282	2, 703, 931	2, 717, 457	2, 724, 906	75: 2, 706, 346	2, 710, 458
2, 723, 453	2, 711, 587	2, 711, 026	2, 712, 181	2, 717, 457	2, 719, 366
315: 2, 707, 829	2, 725, 633	2, 716, 818	181: 2, 706, 340	2, 718, 711	2, 720, 712
318: 2, 718, 700	3: 2, 705, 369	2, 706, 856	182: 2, 698, 486	2, 724, 905	26: 2, 718, 072
322: 2, 710, 449	8: 2, 721, 388	2, 706, 857	184. 5: 2, 701, 420	2, 724, 906	30: 2, 728, 149
2, 720, 699	9: 2, 700, 824	2, 711, 026	2, 711, 031	76: 2, 704, 896	31: 2, 705, 843
2, 725, 631	2, 710, 451	2, 711, 030	185: 2, 700, 827	77: 2, 706, 347	2, 709, 309
324: 2, 724, 894	2, 715, 775	2, 728, 143	2, 700, 828	79: 2, 715, 283	2, 722, 754
330: 2, 715, 770	12: 2, 711, 588	2, 711, 027	2, 713, 213	82: 2, 712, 182	32: 2, 723, 464
336: 2, 707, 830	15: 2, 716, 817	2, 716, 819	2, 716, 820	2, 713, 213	33: 2, 708, 797
339: 2, 708, 313	16: 2, 713, 204	2, 700, 825	2, 722, 750	2, 716, 820	35: 2, 703, 459
342: 2, 711, 019	18: 2, 701, 417	2, 724, 185	2, 722, 751	2, 722, 750	2, 711, 595
351: 2, 703, 451	2, 711, 022	2, 725, 636	2, 715, 780	2, 722, 751	2, 722, 061
357: 2, 705, 834	2, 714, 253	2, 728, 144	188: 2, 716, 288	85: 2, 714, 257	2, 723, 465
31— 1: 2, 702, 942	2, 727, 308	2, 705, 373	189: 2, 718, 708	86: 2, 722, 752	2, 723, 466
6: 2, 718, 701	21: 2, 705, 370	2, 705, 374	2, 719, 364	87: 2, 724, 907	2, 724, 911
8: 2, 705, 835	2, 725, 634	2, 707, 333	2, 721, 393	2, 725, 641	39: 2, 728, 150
11: 2, 701, 912	2, 726, 450	2, 713, 207	191: 2, 725, 639	90: 2, 706, 861	48: 2, 717, 460
13: 2, 712, 693	23: 2, 703, 455	2, 717, 449	197: 2, 698, 487	2, 721, 395	50: 2, 725, 644
20: 2, 700, 821	2, 712, 694	2, 723, 459	2, 709, 855	2, 725, 642	2, 720, 228
2, 711, 020	2, 714, 254	2, 723, 460	199: 2, 699, 610	91: 2, 705, 841	51: 2, 699, 002
2, 723, 454	2, 720, 030	2, 716, 284	2, 700, 224	92: 2, 708, 794	55: 2, 707, 839
21: 2, 727, 306	2, 726, 451	2, 704, 892	2, 707, 336	2, 710, 456	62: 2, 726, 460
22: 2, 714, 251	24: 2, 720, 703	2, 724, 186	2, 718, 064	94: 2, 708, 795	1: 2, 708, 320
2, 716, 814	25: 2, 699, 606	2, 707, 834	2, 720, 034	96: 2, 718, 068	2, 712, 700
2, 717, 444	2, 710, 452	2, 709, 305	2, 724, 900	102: Re. 23, 935	2, 714, 768
2, 720, 700	2, 718, 702	2, 718, 705	2, 728, 145	2, 705, 842	2, 720, 713
30: 2, 711, 585	2, 724, 896	2, 704, 403	201: 2, 720, 035	104: 2, 708, 796	2, 722, 062
32: 2, 718, 060	27: 2, 698, 484	2, 711, 028	2, 724, 901	2, 722, 753	2, 724, 193
49: 2, 702, 943	2, 699, 607	2, 707, 835	2, 724, 902	105: 2, 702, 435	2: 2, 704, 898
32— 1: 2, 711, 021	2, 700, 221	2, 712, 695	202: 2, 705, 376	2, 709, 307	2, 720, 040
2: 2, 708, 314	2, 701, 917	2, 722, 747	203. 12: 2, 720, 036	2, 724, 908	2. 5: Re. 23, 922
2, 709, 301	2, 707, 831	2, 726, 453	203. 13: 2, 702, 432	109: 2, 701, 422	2, 706, 350
2, 714, 764	2, 718, 703	2, 700, 826	203. 2: 2, 704, 894	2, 728, 146	2, 724, 194
3: 2, 715, 771	2, 720, 704	2, 708, 793	2, 721, 394	120: 2, 716, 291	3: 2, 701, 923
5: 2, 722, 053	32: 2, 721, 389	2, 717, 450	204: 2, 703, 935	121: 2, 710, 457	2, 703, 937
6: 2, 705, 366	34: 2, 708, 315	2, 718, 706	205. 5: 2, 699, 611	122: 2, 711, 032	2, 716, 293
8: 2, 705, 836	42: 2, 717, 446	2, 720, 707	2, 706, 860	124: Re. 24, 024	2, 720, 041
2, 717, 445	46: 2, 699, 608	2, 712, 696	206: 2, 711, 590	2, 707, 836	2, 722, 063
10: Re. 24, 045	2, 702, 945	2, 713, 208	2, 722, 056	2, 724, 909	2, 725, 645
2, 706, 854	2, 714, 255	2, 717, 451	207: 2, 708, 317	129: 2, 727, 316	2, 725, 646
2, 721, 387	2, 703, 932	2, 722, 748	211: 2, 713, 726	130: 2, 707, 339	4. 5: 2, 699, 613
11: 2, 720, 025	47: 2, 706, 335	2, 698, 485	2, 713, 727	131: 2, 712, 183	7. 1: 2, 721, 399
12: 2, 700, 822	49: 2, 705, 371	2, 699, 000	2, 720, 709	133: 2, 707, 837	7. 3: 2, 725, 647
13: 2, 705, 837	2, 707, 331	2, 701, 418	2, 727, 314	135: 2, 713, 728	7. 5: 2, 720, 714
14: 2, 701, 913	2, 709, 303	2, 705, 839	214: 2, 702, 947	146: 2, 728, 147	7. 6: 2, 726, 461
2, 705, 367	2, 715, 274	2, 705, 840	2, 706, 341	149: 2, 721, 396	7. 7: 2, 711, 596
2, 713, 720	2, 715, 776	2, 707, 334	215: 2, 718, 707	151: 2, 701, 921	7. 8: 2, 710, 460
2, 716, 283	2, 710, 453	2, 713, 209	216: 2, 713, 211	155: 2, 718, 712	2, 715, 785
17: 2, 700, 217	2, 715, 275	2, 716, 285	217: 2, 714, 766	2, 726, 458	8. 3: 2, 708, 321
2, 722, 744	2, 715, 276	2, 721, 390	219: 2, 704, 405	2, 727, 317	2, 714, 769
18: 2, 700, 218	2, 717, 447	2, 701, 419	222: 2, 699, 612	160: 2, 700, 226	2, 723, 467
19: 2, 703, 452	2, 725, 635	2, 703, 456	2, 726, 457	162: 2, 712, 699	8. 5: 2, 698, 490
2, 708, 789	52: 2, 727, 309	2, 703, 457	226: 2, 700, 829	163: 2, 705, 377	2, 700, 832
2, 713, 202	54: 2, 724, 897	2, 703, 458	34— 1: 2, 698, 488	2, 707, 838	2, 716, 294
20: 2, 727, 307	61: 2, 711, 589	2, 703, 934	2, 709, 856	164: 2, 702, 436	2, 721, 400
22: 2, 715, 272	63: 2, 724, 898	2, 705, 375	2, 714, 767	167: 2, 717, 458	2, 725, 648
27: 2, 701, 914	64: 2, 711, 023	2, 706, 338	7: 2, 724, 189	168: 2, 703, 936	2, 714, 771
2, 726, 449	2, 722, 054	2, 706, 858	8: 2, 708, 318	174: 2, 715, 781	9: 2, 714, 771
28: 2, 705, 838	66: 2, 715, 277	2, 707, 335	9: 2, 712, 698	195: 2, 719, 365	10: 2, 724, 195
32: 2, 700, 219	69: 2, 706, 336	2, 709, 853	2, 718, 709	205: 2, 726, 459	11. 5: 2, 711, 033
2, 701, 915	70: 2, 718, 704	2, 709, 854	9. 5: 2, 706, 342	213: 2, 728, 148	2, 724, 912
2, 713, 721	74: 2, 708, 790	2, 710, 454	10: 2, 715, 282	214: 2, 714, 258	2, 724, 913
2, 716, 815	2, 713, 722	2, 711, 029	12: 2, 704, 895	223: 2, 718, 713	12: 2, 718, 715
2, 720, 026	75: 2, 702, 430	2, 712, 180	13: 2, 706, 343	232: 2, 718, 069	2, 719, 367
33: 2, 701, 916	2, 718, 062	2, 713, 210	18: 2, 711, 591	2, 722, 058	16: 2, 711, 034
2, 711, 586	76: 2, 717, 448	2, 713, 725	23: 2, 718, 065	233: 2, 714, 259	2, 721, 401
2, 720, 027	77: 2, 709, 304	2, 714, 256	27: 2, 716, 289	236: 2, 718, 714	19. 5: 2, 699, 003
34: 2, 706, 334	2, 711, 024	2, 714, 765	28: 2, 720, 710	238: 2, 715, 284	2, 707, 340
35: 2, 706, 333	2, 723, 456	2, 715, 280	31: 2, 706, 344	2, 718, 070	2, 722, 755
36: 2, 705, 368	78: 2, 713, 723	2, 716, 286	33: 2, 709, 306	242: 2, 725, 643	22: 2, 703, 460
40: 2, 716, 816			35: 2, 718, 710		2, 713, 730
48: 2, 707, 329					



36— 22: 2,726,462 24.5: 2,728,151 28: 2,710,461 34: 2,703,461 2,707,341 2,713,731 35: 2,717,461 37: 2,721,402 2,724,914 44: 2,713,214 2,713,215 2,715,285 46.5: 2,718,073 55: 2,704,899 58.5: 2,700,229 2,707,342 59: 2,722,756 2,722,757 61: 2,718,716 64: 2,701,924 68: 2,713,216 2,720,042 2,723,468 71: 2,700,230 2,704,406 2,710,462 2,713,732 2,716,295 2,717,462 2,721,403 71.5: 2,710,463 72: 2,701,925 2,712,185 2,723,469 76: 2,716,296 77: 2,706,351 2,709,310 78: 2,700,231 2,709,858 37— 2: 2,722,758 12: 2,705,844 2,706,863 2,720,715 16: 2,699,614 42: 2,699,615 2,710,464 2,711,597 2,722,064 43: 2,706,864 2,709,311 2,714,772 2,716,821 2,719,368 2,723,470 45: 2,724,915 53: 2,710,465 2,715,786 2,720,043 61: 2,718,717 62: 2,711,598 66: 2,722,759 67: 2,702,437 80: 2,705,378 81: 2,705,379 2,712,186 83: 2,702,951 86: 2,708,798 2,714,262 2,714,773 90: 2,710,466 97: 2,711,035 98: 2,712,187 2,725,649 2,726,463 104: 2,714,774 108: 2,713,217 117.5: 2,713,218 124: 2,718,074 2,721,404 126: 2,700,232 2,702,438 2,714,263 2,718,718 2,722,760 129: 2,711,599 135: 2,712,701 2,723,471 140: 2,713,219 141: 2,722,065 142: 2,703,938 2,707,343 2,716,822 2,727,318 2,727,319 143: 2,718,719 144: 2,698,491 2,700,233 2,702,952 2,709,859 2,714,775 2,722,066 2,725,650 145: 2,698,492 2,700,234 2,700,833	37— 145: 2,705,380 2,716,823 2,718,075 146: 2,721,405 147: 2,716,824 153: 2,720,716 155: 2,713,220 156: 2,723,472 159: 2,710,467 2,711,036 169: 2,719,369 2,722,067 2,726,464 179: 2,708,799 188: 2,715,787 190: 2,700,235 2,708,800 2,709,312 2,724,196 191: 2,704,407 2,709,860 2,720,717 192: 2,723,473 193: 2,715,286 38— 2: 2,726,465 12: 2,700,834 14: 2,699,616 16: 2,701,926 2,712,702 35: 2,728,152 36: 2,713,733 2,713,734 41: 2,703,939 2,721,406 56: 2,722,761 59: 2,711,600 66: 2,708,322 2,719,370 71: 2,709,861 73: 2,710,468 77: 2,699,004 2,700,236 2,701,424 2,708,801 2,710,469 2,713,221 2,713,735 2,716,297 2,719,371 2,724,197 2,724,198 2,726,466 2,727,320 79: 2,710,470 2,712,703 2,713,222 2,713,223 2,713,224 2,716,825 2,718,076 2,727,321 88: 2,700,237 90: 2,727,322 99: 2,713,225 104: 2,703,462 2,704,408 105: 2,707,840 111: 2,707,841 2,708,323 117: 2,721,407 121: 2,701,425 127: 2,700,835 136: 2,699,617 2,700,836 138: 2,718,077 140: 2,711,601 141: 2,718,078 39— 3: 2,714,264 6: 2,702,953 9: 2,713,736 22: 2,718,079 23: 2,709,862 39: 2,724,916 43: 2,699,005 2,713,737 45: 2,718,720 55: 2,727,323 59: 2,724,199 74: 2,704,900 87: 2,701,927 2,709,313 92: 2,711,037 40— 1.5: 2,707,344 2: 2,699,618 2,704,409 2,706,865 2,721,408 10: 2,722,068 11: 2,708,802 2,717,463 16: 2,720,044 2,723,474 20: 2,714,265 28: 2,705,381 30: 2,728,153	40— 31: 2,722,069 35: 2,710,471 2,726,467 39: 2,710,472 2,728,154 63: 2,722,070 64: 2,713,738 2,720,045 65: 2,707,345 67: 2,706,352 70: 2,700,837 2,702,954 71: 2,713,739 77: 2,728,155 79: 2,711,602 83: 2,715,788 86: 2,721,409 2,723,475 102: 2,705,845 108: 2,702,439 114: 2,719,372 120: 2,698,493 124: 2,710,473 124.1: 2,720,046 2,725,651 125: 2,701,928 2,702,955 2,703,940 2,709,314 2,710,474 2,710,475 2,718,080 2,720,718 126: 2,711,038 2,711,038 2,711,603 2,713,740 2,714,266 129: 2,724,917 130: 2,699,619 2,701,929 2,702,440 2,704,901 2,706,353 2,712,188 2,722,762 2,727,324 132: 2,699,620 2,709,863 2,716,298 133: 2,707,346 137: 2,699,621 140: 2,725,652 152.1: 2,715,287 156: 2,702,956 2,713,226 2,716,299 158: 2,722,071 159: 2,701,426 41— 1: 2,703,463 2,709,864 2,711,604 2,714,267 2,716,826 2,718,721 2,722,072 2,723,476 2,724,200 2,724,201 2,725,653 2,726,940 2: 2,715,288 4: 2,703,941 2,712,189 2,727,325 2,728,156 2,728,157 5: 2,711,605 2,718,722 7: 2,704,902 2,706,354 2,714,268 9: 2,700,838 2,718,723 2,719,373 2,724,918 10: 2,702,441 2,704,903 2,712,190 2,714,269 2,714,776 2,719,374 2,725,654 11: 2,704,904 12: 2,712,191 2,716,827 2,727,326 13: 2,716,828 15: 2,705,382 2,708,324 19: 2,712,704 21: 2,727,327 23: 2,715,289 24: 2,701,930 2,702,957 2,704,410	41— 24: 2,706,355 2,711,039 2,711,040 2,711,606 2,724,919 26: 2,704,905 2,716,300 2,728,158 34: 2,721,410 2,723,477 2,726,941 35: 2,716,829 41: 2,715,571 2,724,642 42: 2,698,780 2,698,781 2,699,382 2,705,191 2,705,192 2,709,644 2,710,791 2,710,792 2,711,364 2,717,203 2,718,461 2,719,079 2,719,781 2,715,291 2,721,119 43: 2,701,186 2,726,147 42— 1: 2,703,942 2,705,846 2,718,724 7: 2,705,847 10: 2,699,006 11: 2,699,007 16: 2,717,464 17: 2,719,375 18: 2,710,476 25: 2,710,477 2,711,041 2,712,192 2,713,227 2,725,655 42: 2,711,042 50: 2,712,705 2,715,290 2,715,789 54: 2,710,478 57: 2,699,008 2,703,464 2,722,073 2,723,478 68: 2,708,803 69: 2,701,931 2,718,081 2,722,074 70: 2,703,943 2,709,865 2,711,043 75: 2,702,958 2,717,465 76: 2,706,356 79: 2,700,839 2,712,193 86: 2,728,159 43— 1: 2,700,840 2,718,082 2,722,075 2,723,479 2,726,468 3: 2,706,357 2,709,866 2,711,607 2,711,608 2,719,376 2,723,480 2,726,469 4: 2,718,083 6: 2,703,944 2,717,466 2,725,656 7: 2,720,047 2,723,481 9: 2,721,411 12: 2,724,920 2,725,657 2,725,658 2,727,328 15: 2,703,465 2,706,866 2,707,842 2,709,867 2,712,194 2,724,202 2,726,470 16: 2,705,383 2,713,741 17: 2,700,238 2,700,841 2,718,087 2,714,270 2,720,048 2,720,719 2,722,076	43— 17: 2,722,763 2,725,659 17.2: 2,712,706 2,714,777 2,718,084 2,722,077 17.5: 2,726,471 17.6: 2,709,868 2,711,044 18: 2,724,203 19: 2,703,466 19.2: 2,706,358 20: 2,711,045 2,711,046 21: 2,714,271 2,716,301 21.2: 2,704,412 23: 2,699,622 2,711,047 24: 2,702,959 2,709,315 2,718,085 2,721,412 2,724,204 25: 2,713,228 2,714,272 2,715,291 2,725,660 25.2: 2,699,623 2,702,960 2,715,292 2,721,413 26: 2,723,482 26.1: 2,707,843 2,708,804 2,709,316 26.2: 2,724,205 35: 2,700,842 2,702,961 2,711,609 2,717,467 2,722,764 2,727,329 36: 2,722,078 37: 2,722,765 42.04: 2,726,472 42.06: 2,703,945 2,716,830 2,718,086 42.09: 2,704,413 2,706,359 2,706,867 2,715,790 42.12: 2,714,778 42.14: 2,722,079 42.15: 2,700,239 2,708,805 2,726,473 42.18: 2,711,048 2,714,273 42.2: 2,711,049 42.22: 2,703,946 2,723,483 42.23: 2,714,779 42.24: 2,722,766 42.25: 2,699,009 42.27: 2,719,377 42.28: 2,708,325 2,728,160 42.31: 2,716,831 2,718,725 42.33: 2,708,806 42.36: 2,698,494 42.38: 2,713,742 42.39: 2,703,947 42.4: 2,700,240 2,705,848 42.46: 2,706,860 42.48: 2,715,791 42.5: 2,712,195 2,719,378 2,721,414 42.51: 2,717,468 42.52: 2,706,868 43.1: 2,704,414 2,710,479 2,712,196 2,724,206 43.11: 2,707,847 2,712,197 2,720,720 2,722,767 2,728,161 43.12: 2,713,743 2,716,832 43.13: 2,707,348 2,726,475 43.14: 2,726,474 43.15: 2,710,480 2,718,087 44.2: 2,700,241 44.4: 2,700,242 2,727,330 44.6: 2,719,379	43— 44.8: 2,710,481 2,719,380 44.82: 2,700,843 44.84: 2,727,331 44.85: 2,728,162 44.87: 2,699,624 2,706,869 44.88: 2,716,833 2,726,476 44.89: 2,701,427 44.9: 2,705,384 44.91: 2,722,768 2,722,769 44.95: 2,719,381 44.97: 2,727,332 44.99: 2,709,317 2,713,744 2,719,382 53.5: 2,699,625 2,722,080 2,724,207 54.5: 2,723,484 55: 2,699,626 2,715,293 2,716,834 2,718,088 2,718,089 2,722,770 2,726,477 56: 2,700,243 2,706,870 2,707,349 2,711,610 2,717,469 2,720,049 57.5: 2,700,244 2,702,442 2,703,467 2,706,871 2,708,326 2,710,482 2,710,483 2,710,484 2,711,050 2,711,611 2,716,302 2,717,470 2,723,485 2,724,208 61: 2,717,471 2,725,661 62: 2,707,844 69: 2,706,361 81: 2,702,443 2,712,707 2,721,415 83.5: 2,724,209 84: 2,716,303 85: 2,723,486 87: 2,700,844 88: 2,708,327 89: 2,718,090 90: 2,701,428 92: 2,713,745 95: 2,716,835 96: 2,715,294 2,720,050 100: 2,716,304 2,726,478 2,726,479 2,728,163 103: 2,713,229 105: 2,728,164 107: 2,715,295 121: 2,722,081 124: 2,706,362 2,706,363 2,725,662 127: 2,724,921 131: 2,710,485 2,714,780 2,716,305 2,720,051 2,725,663 2,725,664 2,725,665 2,725,666 137: 2,712,708 141: 2,721,416 2,722,082 142: 2,724,922 146: 2,716,836 147: 2,715,792 148: 2,712,198 2,716,306 2,720,721 44— 1: 2,726,148 7: 2,718,462 2,719,782 2,721,120 55: 2,715,572 56: 2,726,942 60: 2,706,149 2,728,643
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2,720,058 2,725,687 60: 2,703,470 62: 2,726,491 67: 2,728,171 72: 2,718,733 2,723,513 2,724,938 73: 2,713,235 2,715,798 74: 2,704,422 2,719,388 80: 2,707,852 2,709,874 89: Re.24.104 2,700,255 91: 2,724,219 92: 2,714,277 2,718,098 2,720,059 93: 2,722,781	51— 95: 2,706,872 96: 2,715,799 97: 2,704,423 2,728,172 98: 2,704,914 2,707,853 2,722,782 2,725,688 100: 2,708,815 101: 2,710,495 2,710,496 2,721,423 2,723,500 2,723,501 2,723,502 2,725,689 102: 2,707,854 2,713,756 2,722,783 103: 2,711,056 2,716,311 2,727,337 105: Re.23.991 Re.24.091 2,699,018 2,701,429 2,704,915 2,708,816 2,715,300 2,721,424 2,722,088 2,723,503 2,723,504 109: 2,711,057 110: 2,722,784 112: 2,705,853 2,705,854 2,709,875 2,720,060 118: 2,709,321 2,709,876 2,715,800 120: 2,726,492 122: 2,715,801 2,724,931 2,725,699 123: 2,720,731 124: 2,715,802 2,715,803 2,724,932 2,724,933 125: 2,703,950 2,724,220 128: 2,713,236 2,716,846 131: Re.23.997 2,704,424 2,704,425 2,721,425 2,722,089 2,722,785 134.5: 2,709,322 2,711,058 2,717,478 135: 2,699,019 2,701,430 2,712,204 2,724,934 2,725,691 137: 2,706,873 2,714,278 2,715,301 2,723,505 141: 2,718,734 2,720,061 2,722,786 2,723,506 2,728,173 142: 2,714,787 2,722,787 143: 2,715,302 2,722,788 2,723,507 144: 2,727,338 148: 2,706,367 158: 2,703,951 2,718,099 164: 2,721,426 165: 2,702,970 2,709,877 2,718,100 2,718,101 2,720,062 2,720,063 2,727,339 166: 2,700,851 2,707,855 2,724,935 168: 2,703,471 2,704,426 2,712,205 2,716,312 2,726,493 169: 2,699,020
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128: 2,706,373 157: 2,716,322 2,723,522 158: 2,710,516 2,718,744	56— 192: 2,725,706 194: 2,720,742 199: 2,712,720 207: 2,720,743 208: 2,720,744 209: 2,709,329 219: 2,724,942 221: 2,701,945 228: 2,725,707 241: 2,712,721 249: 2,705,861 2,715,810 2,721,437 2,722,795 2,723,523 255: 2,709,883 256: 2,719,400 2,722,796 2,725,708 258: 2,710,517 289: 2,711,067 2,723,524 291: 2,714,280 294: 2,709,884 295: 2,707,859 2,715,307 2,716,323 2,721,438 2,722,797 296: 2,706,374 2,717,483 298: 2,722,798 306: 2,716,324 307: 2,700,267 309: 2,716,325 312: 2,702,980 2,707,365 314: 2,710,518 2,714,795 317: 2,703,956 327: 2,707,860 2,709,330 328: 2,700,268 2,718,745 329: 2,700,269 2,714,281 332: 2,698,508 2,711,625 341: 2,720,073 364: 2,699,031 2,700,865 2,703,957 2,713,762 372: 2,718,746 376: 2,699,639 2,727,350 377: 2,708,822 2,710,519 2,727,351 386: 2,712,722 400: 2,712,723 2,713,241 2,714,796 2,719,401 2,722,799 400.05: 2,726,504 400.06: 2,699,640 400.08: 2,700,270 2,707,366 400.1: 2,713,763 400.14: 2,706,375 400.17: 2,705,394 2,716,857 2,720,745 2,721,439 400.2: 2,702,981 473.5: 2,722,096 2,727,352 57— 1: 2,709,403 2,712,213 2: 2,714,797 2,721,440 6: 2,706,376 12: 2,713,242 23: 2,712,724 34: 2,702,982 2,711,626 2,714,282 34.5: 2,708,829 2,724,943 41: 2,724,231 2,725,709 52: 2,716,326 53: 2,726,505 55: 2,724,944 56: 2,717,484 2,720,074 58.3: 2,727,353 58.32: 2,717,485 58.36: 2,703,958 2,723,525 58.55: 2,726,506 2,728,185 58.65: 2,715,308 58.72: 2,725,710	57—58.83: 2,699,032 2,725,711 58.84: 2,715,811 65: 2,712,214 76: 2,728,186 77.4: 2,718,111 79: 2,701,946 80: 2,716,858 81: 2,704,430 87: 2,706,883 88: 2,718,747 100: 2,716,859 120: 2,718,112 124: 2,725,712 125: 2,718,748 130: 2,708,336 2,720,075 134: 2,704,946 2,705,395 135: 2,699,033 2,724,945 140: 2,706,377 2,707,367 2,715,309 2,717,486 2,720,076 142: 2,702,983 2,705,862 149: 2,725,713 154: 2,707,368 156: 2,700,866 2,725,714 157: 2,711,627 167: 2,707,369 58— 5: 2,709,885 2,720,746 6: 2,712,725 7: 2,715,812 8: 2,709,886 19: 2,709,331 2,721,441 21.13: 2,706,378 21.14: 2,702,450 22: 2,701,439 2,707,370 22.5: 2,712,215 24: 2,704,431 30: 2,722,097 34: 2,700,271 35: 2,724,232 2,724,233 38: 2,704,432 2,708,337 2,723,526 44: 2,721,442 46: 2,699,034 2,707,861 2,714,283 53: 2,700,272 55: 2,725,715 56: 2,701,947 57: 2,716,327 59: 2,728,187 74: 2,707,862 80: 2,700,867 2,713,764 2,714,284 2,715,310 2,718,749 82: 2,707,371 2,724,234 83: 2,700,868 2,709,332 85: 2,699,641 2,703,475 2,720,747 88: 2,706,379 2,719,402 2,720,748 2,727,354 90: Re.24,021 2,700,869 2,708,338 2,712,216 2,716,328 2,719,403 91: 2,709,333 105: 2,711,068 107: 2,706,380 2,717,487 2,728,188 112: 2,728,189 113: 2,724,946 114: 2,698,509 115: 2,704,433 2,706,381 117: 2,706,884 2,724,235 119: 2,725,716 121: 2,717,488 2,722,098 126: 2,723,527 127: 2,718,113 140: 2,700,273 2,720,077
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58—	140:	2, 721, 443	60—	35. 6:	2, 724, 947	60—	39. 72:	2, 705, 868	61—	74:	2, 711, 078	62—	6:	2, 715, 320	62—	115:	2, 721, 453		
59—	7:	2, 700, 870			2, 726, 507			2, 705, 869		76:	2, 703, 479			2, 716, 868			2, 723, 537		
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		2, 711, 628			2, 726, 509			2, 726, 511		81:	2, 705, 403			2, 717, 499			2, 724, 246		
	27:	2, 713, 765			2, 728, 191		39. 74:	2, 703, 962		62—	1:	Re.23,973		2, 719, 407			2, 727, 364		
	35:	2, 708, 823		36:	2, 707, 863			2, 705, 401					2, 700, 876			116:	2, 715, 817		
		2, 711, 069		37:	2, 704, 437		39. 77:	2, 701, 950					2, 700, 877				2, 721, 454		
		2, 714, 798		39. 02:	2, 707, 373		39. 82:	2, 701, 445					2, 722, 106				2, 722, 809		
	79:	2, 713, 766			2, 718, 753			2, 725, 718					2, 703, 964				2, 723, 538		
		2, 718, 750			2, 718, 754		49:	2, 709, 895					2, 705, 872			117:	2, 713, 777		
	80:	2, 699, 035		39. 03:	2, 705, 865			2, 717, 491					2, 705, 873			117.3:	2, 705, 876		
		2, 702, 451		39. 06:	2, 708, 341		50:	2, 706, 890					2, 707, 377		7:	2, 717, 500	2, 720, 761		
		2, 728, 190		39. 08:	2, 713, 769		51:	2, 699, 649					2, 717, 501				2, 724, 952		
	85:	2, 700, 274		39. 09:	2, 704, 922			2, 707, 374					2, 717, 502			117. 4:	2, 702, 459		
	93:	2, 703, 476			2, 705, 397			2, 708, 344					2, 717, 503				2, 706, 387		
60—	7:	2, 716, 860			2, 705, 866			2, 721, 446					2, 717, 504				2, 708, 350		
	12:	2, 699, 642			2, 707, 864			2, 726, 512					2, 712, 223			117. 5:	2, 724, 953		
		2, 701, 948			2, 709, 892			2, 728, 193					2, 712, 730			117. 55:	2, 698, 522		
	13:	2, 699, 643			2, 712, 218		52:	2, 698, 515					2, 713, 775				2, 719, 409		
		2, 710, 521			2, 712, 727			2, 699, 650					2, 714, 292		8:	2, 701, 451	117. 7:	2, 719, 408	
		2, 710, 522			2, 712, 727			2, 699, 651					2, 714, 805				117. 8:	2, 705, 877	
		2, 716, 861		39. 1:	2, 700, 871			2, 701, 446					2, 715, 315		43:	2, 724, 951	117. 85:	2, 705, 405	
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		2, 718, 752		39. 12:	2, 701, 443			2, 706, 891					2, 720, 082					2, 709, 346	
		2, 724, 236		39. 14:	2, 701, 949			2, 707, 375					2, 722, 105					2, 709, 347	
	19:	2, 725, 717			2, 704, 438			2, 709, 339					2, 725, 721					2, 713, 778	
	23:	2, 714, 799			2, 708, 342			2, 711, 632					2, 725, 722				119. 5:	2, 715, 322	
	24:	2, 709, 334			2, 710, 524			2, 711, 633					2, 728, 196					2, 715, 819	
	29:	2, 727, 355			2, 711, 071			2, 713, 772				2:	2, 700, 278					2, 715, 819	
	30:	2, 708, 824			2, 714, 802			2, 713, 773					2, 711, 081					2, 721, 455	
		2, 709, 335			2, 715, 313			2, 714, 288					2, 715, 316				122:	2, 708, 831	
	35. 4:	2, 698, 510			2, 727, 356			2, 717, 492				3:	2, 699, 043					2, 724, 954	
		2, 698, 511		39. 16:	2, 707, 865			2, 720, 755					2, 703, 965		89. 5:	2, 705, 875		2, 728, 205	
		2, 698, 512			2, 715, 814			2, 721, 447					2, 704, 924				123:	2, 698, 523	
		2, 698, 513			2, 722, 802			2, 721, 448					2, 705, 404					2, 705, 406	
		2, 702, 984		39. 17:	2, 712, 728			2, 722, 102					2, 709, 340					2, 709, 348	
		2, 712, 726		39. 18:	2, 702, 453			2, 722, 804					2, 709, 897					2, 711, 085	
		2, 722, 099			2, 718, 755			2, 727, 359					2, 712, 731		89. 6:	2, 711, 083		2, 715, 323	
	35. 5:	2, 698, 514		39. 28:	2, 700, 276			2, 728, 194					2, 713, 247					2, 716, 332	
		2, 699, 644			2, 700, 872		53:	Re.24,064					2, 715, 317		91. 5:	2, 707, 870		2, 716, 333	
	35. 54:	2, 702, 986			2, 703, 961			2, 700, 873					2, 717, 494				124:	Re.23,958	
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	35. 55:	2, 715, 312			2, 707, 866			2, 706, 384					2, 718, 120					2, 723, 539	
	35. 6:	2, 699, 036			2, 708, 343			2, 718, 758					2, 718, 762				126:	2, 701, 455	
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		2, 699, 645			2, 711, 073		54:	2, 701, 447					2, 718, 764		99:	2, 704, 926		2, 703, 969	
		2, 699, 646			2, 712, 219			2, 701, 951					2, 720, 083					2, 704, 929	
		2, 699, 647			2, 713, 244			2, 707, 376					2, 720, 084					2, 708, 832	
		2, 700, 275			2, 714, 803			2, 708, 345					2, 720, 756					2, 712, 736	
		2, 701, 440			2, 715, 815			2, 710, 504					2, 724, 240					2, 720, 762	
		2, 701, 441			2, 716, 862			2, 711, 076					2, 727, 361		101:	2, 702, 458		2, 720, 763	
		2, 701, 442			2, 716, 862			2, 714, 804				4:	Re.23,998			2, 703, 966		2, 726, 515	
		2, 702, 452			2, 716, 863			2, 718, 760					2, 698, 521		102:	2, 712, 733		129:	2, 698, 524
		2, 702, 985			2, 717, 490			2, 723, 530					2, 700, 279					2, 699, 655	
		2, 703, 477			2, 718, 114			2, 726, 513					2, 700, 878					2, 708, 833	
		2, 703, 478			2, 720, 751			2, 727, 360					2, 701, 450					2, 711, 086	
		2, 703, 959			2, 720, 752		54. 5:	2, 698, 516					2, 703, 480		103:	2, 709, 343		2, 711, 087	
		2, 703, 960			2, 723, 529			2, 705, 402					2, 703, 481					2, 711, 088	
		2, 704, 434			2, 724, 239			2, 709, 896					2, 704, 441					2, 712, 737	
		2, 704, 435		39. 31:	2, 727, 357			2, 719, 404					2, 705, 874					2, 715, 324	
		2, 704, 436			2, 702, 454		54. 6:	2, 702, 455					2, 706, 385					2, 717, 507	
		2, 705, 396			2, 718, 756			2, 719, 405					2, 706, 894					2, 717, 508	
		2, 705, 863		39. 32:	2, 724, 948			2, 722, 103					2, 707, 868					2, 718, 766	
		2, 705, 864			2, 702, 987			2, 725, 719					2, 707, 869					2, 719, 410	
		2, 706, 382			2, 709, 338			2, 728, 195					2, 708, 348					2, 719, 411	
		2, 706, 383			2, 714, 287			2, 729, 195					2, 709, 341		105:	2, 701, 452		2, 720, 090	
		2, 706, 885			2, 720, 079			2, 714, 289					2, 709, 342					2, 724, 247	
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		2, 706, 887		39. 35:	2, 699, 038			2, 712, 222					2, 711, 079		106:	2, 700, 280		2, 727, 365	
		2, 707, 372		39. 36:	2, 720, 080			2, 699, 041					2, 712, 732					136:	Re.24,040
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		2, 708, 340			2, 711, 072			2, 701, 448					2, 713, 249					2, 708, 834	
		2, 708, 340			2, 711, 074			2, 701, 952					2, 713, 250					2, 721, 456	
		2, 708, 825			2, 707, 867			2, 706, 892					2, 718, 124					2, 724, 248	
		2, 709, 336			2, 711, 077			2, 707, 867					2, 714, 293					2, 724, 248	
		2, 709, 337		39. 45:	2, 718, 115			2, 711, 077					2, 714, 293					138:	2, 720, 091
		2, 709, 887		39. 46:	2, 718, 115			2, 713, 246					2, 714, 806					139:	2, 725, 729
		2, 709, 888			2, 714, 290			2, 714, 290					2, 714, 807						2, 727, 366
		2, 709, 889			2, 714, 291			2, 714, 291					2, 714, 808					140:	2, 702, 994
		2, 709, 890		39. 47:	2, 723, 531		102:	2, 723, 531					2, 715, 318						2, 708, 835
		2, 709, 891		39. 51:	2, 704, 439		4:	2, 710, 505					2, 715, 319						2, 710, 509
		2, 710, 523			2, 709, 893		16:	2, 716, 864					2, 716, 865						2, 710, 510
		2, 711, 070			2, 713, 245			2, 718, 117					2, 716, 866						



62— 178: 2, 699, 048	66— 13: 2, 719, 415	66— 185: 2, 718, 769	68— 139: 2, 722, 119	70— 232: 2, 703, 501	72— .5: 2, 709, 912
63— 14: 2, 710, 511	14: 2, 698, 530	187: 2, 705, 411	140: 2, 727, 380	2, 706, 392	6: 2, 718, 137
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2, 718, 128	2, 719, 416	191: 2, 705, 880	176: 2, 718, 136	241: 2, 718, 776	14: 2, 705, 414
2, 722, 811	2, 720, 092	2, 718, 132	2, 721, 466	263: 2, 726, 534	15: 2, 708, 846
15. 2: 2, 725, 730	19: 2, 723, 543	193: 2, 706, 898	177: 2, 706, 391	264: 2, 703, 001	16: 2, 708, 003
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27: 2, 726, 521	2, 723, 544	2, 712, 745	181: 2, 713, 784	2, 705, 884	2, 704, 935
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2, 714, 809	28: 2, 717, 510	2, 723, 548	2, 724, 957	265: 2, 726, 535	2, 721, 471
4: 2, 699, 049	48: 2, 719, 417	2, 728, 211	184: 2, 707, 382	2, 726, 536	17: 2, 700, 294
2, 706, 896	49: 2, 727, 373	2, 722, 816	2, 711, 641	2, 726, 537	29: 2, 720, 104
2, 726, 522	50: 2, 708, 838	6. 1: 2, 711, 638	2, 720, 771	2, 726, 538	2, 728, 216
7: 2, 709, 901	2, 711, 090	2, 716, 879	2, 721, 467	280: 2, 702, 467	30: 2, 700, 295
2, 712, 739	2, 721, 460	2, 727, 375	2, 723, 550	285: 2, 725, 739	33: 2, 720, 779
2, 722, 114	2, 726, 525	2, 728, 212	189: 2, 707, 383	289: 2, 720, 776	35: 2, 724, 260
8: 2, 722, 115	51: 2, 703, 970	7: 2, 718, 133	198: 2, 701, 957	290: 2, 709, 357	36: 2, 703, 004
9: 2, 699, 656	56: 2, 722, 116	7. 1: Re. 24, 022	2, 721, 468	305: 2, 718, 777	37: 2, 708, 358
2, 712, 740	60: 2, 709, 906	2, 698, 534	200: 2, 707, 384	315: 2, 706, 393	2, 713, 787
2, 726, 523	2, 715, 328	2, 700, 882	205: 2, 699, 661	332: 2, 728, 215	38: 2, 720, 105
11: 2, 708, 351	2, 719, 418	2, 701, 459	2, 705, 881	346: 2, 721, 470	41: 2, 700, 296
2, 715, 822	63: 2, 711, 091	2, 701, 955	2, 720, 100	352: 2, 704, 934	2, 703, 486
2, 716, 873	64: 2, 705, 408	2, 702, 999	2, 727, 381	363: 2, 706, 394	2, 703, 487
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2, 727, 369	68: 2, 718, 130	2, 704, 446	229: 2, 704, 448	379: 2, 712, 749	2, 714, 816
2, 728, 208	80: 2, 725, 735	2, 704, 447	240: 2, 719, 422	406: 2, 714, 304	2, 727, 382
13: 2, 712, 741	82: 2, 708, 839	2, 708, 842	241: 2, 701, 461	408: 2, 724, 959	42: 2, 701, 959
14: 2, 706, 897	2, 709, 350	2, 710, 533	2, 711, 642	414: 2, 699, 667	44: 2, 701, 464
2, 708, 352	84: 2, 699, 658	2, 711, 639	249: 2, 699, 662	451: 2, 700, 887	2, 715, 829
2, 712, 742	2, 711, 092	2, 713, 255	256: 2, 725, 738	455: 2, 702, 468	46: 2, 699, 669
2, 716, 334	86: 2, 699, 051	2, 714, 300	263: 2, 699, 663	456: 2, 702, 469	48: 2, 718, 138
2, 719, 412	2, 699, 052	2, 714, 301	2, 715, 827	2, 706, 902	68: 2, 705, 886
15: 2, 700, 283	2, 700, 285	2, 715, 329	2, 722, 818	2, 709, 358	95: 2, 706, 395
2, 701, 456	2, 707, 380	2, 716, 880	2, 726, 530	2, 720, 777	96: 2, 703, 005
2, 721, 457	2, 714, 811	2, 718, 770	269: 2, 699, 664	71— 1: 2, 703, 276	2, 721, 472
2, 724, 250	2, 718, 768	2, 719, 421	1: 2, 704, 932	2, 706, 151	2, 722, 823
2, 724, 251	2, 719, 419	2, 720, 098	7. 3: 2, 701, 462	2, 714, 062	98: 2, 705, 415
17: 2, 698, 527	2, 720, 093	2, 720, 768	2, 701, 463	2. 1: 2, 720, 451	106: 2, 717, 514
2, 722, 812	2, 720, 094	2, 720, 769	9. 1: 2, 720, 101	2. 2: 2, 700, 604	107: 2, 708, 359
2, 727, 370	89: 2, 710, 526	2, 723, 547	9. 5: Re. 23, 982	2, 704, 243	118: 2, 722, 120
21: 2, 709, 902	2, 722, 117	2, 724, 253	16: 2, 723, 551	2, 711, 367	2, 724, 261
2, 715, 325	93: 2, 710, 527	2, 725, 737	22: 2, 703, 485	2, 726, 149	2, 724, 261
2, 721, 458	2, 715, 824	2, 727, 376	23: 2, 711, 095	2. 3: 2, 703, 751	2, 724, 261
23: 2, 716, 874	96: 2, 708, 355	2, 728, 213	27: 2, 701, 958	2, 712, 990	120: 2, 711, 643
25: 2, 699, 657	2, 716, 877	20. 1: 2, 709, 354	2, 712, 230	2, 712, 991	122: 2, 714, 817
2, 708, 353	108: 2, 727, 374	21: 2, 713, 256	2, 713, 785	2, 714, 063	127: 2, 699, 058
2, 708, 354	110: 2, 701, 457	22: 2, 709, 907	28: 2, 702, 465	2, 714, 064	128: 2, 705, 887
2, 722, 813	2, 710, 528	2, 726, 526	33: 2, 709, 355	2, 717, 828	2, 711, 097
27: 2, 702, 995	2, 712, 226	22. 5: 2, 720, 099	46: 2, 721, 469	2, 723, 189	129: 2, 698, 536
2, 709, 903	2, 722, 815	23: 2, 720, 770	70— 14: 2, 700, 289	2, 726, 945	130: 2, 711, 098
2, 720, 764	117: 2, 718, 131	27: 2, 710, 534	2, 709, 356	2, 726, 946	136: 2, 701, 465
2, 724, 252	120: 2, 716, 878	31: 2, 699, 659	2, 716, 881	2, 728, 652	2, 725, 740
28: 2, 698, 528	121: 2, 699, 053	2, 711, 640	2, 720, 102	2. 4: 2, 728, 652	73— 1: 2, 699, 670
2, 702, 461	125: 2, 720, 096	2, 718, 771	16: 2, 724, 256	2, 701, 760	2, 699, 671
2, 727, 371	126: 2, 700, 879	2, 723, 549	25: 2, 715, 828	2, 719, 783	2, 700, 888
29: 2, 706, 388	2, 705, 409	2, 726, 527	38: 2, 703, 975	2, 719, 784	2, 703, 976
2, 711, 635	2, 705, 879	2, 727, 377	58: 2, 704, 933	2, 723, 190	2, 705, 416
2, 714, 810	2, 721, 461	60: 2, 705, 412	2, 726, 532	2, 723, 191	2, 706, 396
2, 716, 875	127: 2, 710, 529	98: 2, 715, 825	66: 2, 720, 772	2, 728, 653	2, 706, 903
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2, 709, 349	132: 2, 708, 841	2, 714, 302	71: 2, 720, 774	2, 704, 245	2, 715, 830
2, 720, 765	135: 2, 698, 531	2, 712, 228	81: 2, 719, 423	2, 705, 195	2, 718, 778
2, 726, 524	2, 698, 532	2, 714, 303	83: 2, 720, 775	2, 708, 624	2, 724, 961
2, 727, 372	2, 728, 210	5: 2, 700, 883	86: 2, 720, 103	2, 709, 648	3: 2, 710, 537
31: 2, 698, 529	137: 2, 723, 545	2, 705, 413	93: 2, 724, 257	2, 710, 794	4: 2, 725, 741
32: 2, 702, 996	138: 2, 709, 351	2, 707, 874	100: 2, 717, 512	2, 719, 785	6: 2, 707, 875
12: 2, 714, 295	2, 719, 420	2, 708, 843	129: 2, 722, 819	2, 721, 124	2, 712, 231
13: 2, 725, 732	140: 2, 702, 462	2, 727, 378	133: 2, 722, 820	2, 721, 125	2, 714, 306
15: Re. 23, 918	144: 2, 698, 533	6: 2, 703, 973	134: 2, 707, 385	2, 721, 126	2, 724, 262
2, 700, 284	145: 2, 713, 254	12: Re. 23, 951	135: 2, 699, 665	2, 721, 127	7: 2, 701, 466
2, 709, 904	146: 2, 714, 812	16: 2, 701, 956	2, 700, 290	2, 721, 128	2, 712, 751
20: 2, 699, 050	147: 2, 723, 546	17: 2, 712, 746	2, 700, 291	2, 721, 129	2, 718, 779
22: 2, 702, 997	149: 2, 709, 352	2, 712, 747	2, 705, 882	2, 721, 130	2, 721, 473
53: 2, 709, 905	153: 2, 710, 530	2, 712, 748	142: 2, 709, 909	2, 721, 131	9: 2, 700, 297
2, 711, 089	155: 2, 705, 410	18: 2, 718, 134	144: 2, 708, 885	2, 721, 132	2, 700, 298
2, 716, 335	157: 2, 707, 873	19: 2, 722, 817	2, 709, 910	2, 721, 133	2, 722, 824
2, 720, 766	163: 2, 700, 880	21: 2, 712, 229	146: 2, 708, 356	2, 723, 192	2, 716, 883
54: 2, 711, 636	2, 700, 881	22: 2, 724, 254	2, 714, 814	2, 723, 193	2, 723, 553
2, 711, 637	2, 704, 445	23: Re. 24, 016	147: 2, 709, 911	2, 723, 909	12: 2, 699, 672
55: 2, 719, 413	2, 711, 093	2, 699, 057	149: 2, 699, 666	2, 724, 643	15: 2, 699, 059
59: 2, 704, 443	166: 2, 711, 094	2, 699, 660	2, 724, 258	2, 726, 150	2, 705, 417
60: 2, 707, 379	169: 2, 717, 511	2, 700, 884	2, 728, 214	2, 726, 947	2, 717, 515
61: 2, 704, 444	170: 2, 721, 462	2, 703, 974	150: 2, 700, 292	2, 728, 654	15. 4: 2, 699, 060
2, 718, 767	171: 2, 707, 381	2, 709, 908	2, 710, 535	2, 728, 654	15. 6: 2, 709, 359
2, 723, 541	172: 2, 703, 971	2, 715, 826	2, 713, 786	2, 706, 678	2, 720, 106
2, 728, 209	173: 2, 721, 463	2, 718, 772	153: 2, 726, 533	2, 711, 949	2, 702, 470
65: 2, 719, 414	176: 2, 699, 055	24: 2, 706, 899	156: 2, 700, 293	2, 713, 535	2, 709, 360
2, 721, 459	2, 725, 736	26: 2, 700, 286	159: 2, 716, 882	2, 720, 452	2, 714, 818
66: 2, 714, 296	177: 2, 706, 389	27: 2, 700, 287	162: 2, 722, 821	2, 722, 478	2, 720, 107
2, 715, 326	178: 2, 702, 998	2, 706, 390	167: 2, 722, 822	2, 722, 479	19: 2, 711, 644
2, 725, 733	2, 710, 531	2, 718, 773	170: 2, 708, 844	2, 723, 910	2, 722, 825
66— 1: 2, 712, 743	2, 712, 744	43: 2, 702, 464	178: 2, 706, 900	7: 2, 726, 948	23: 2, 719, 425
2, 713, 783	2, 714, 813	53: 2, 727, 379	181: 2, 708, 845	23: 2, 714, 553	2, 722, 121
2, 722, 814	2, 720, 767	62: 2, 721, 465	202: 2, 724, 259	39: 2, 707, 676	2, 720, 108
1.5: 2, 714, 297	179: Re. 23, 929	112: 2, 726, 528	207: 2, 707, 386	40: 2, 700, 605	2, 728, 217
2: 2, 723, 542	180: Re. 23, 965	131: 2, 700, 288	210: 2, 702, 466	2, 709, 649	2, 701, 467
4: 2, 703, 482	2, 701, 458	2, 715, 330	211: 2, 714, 815	49: 2, 713, 536	2, 702, 471
6: 2, 718, 129	181: 2, 709, 353	2, 718, 135	216: 2, 700, 886	64: 2, 702, 747	2, 728, 218
8: 2, 707, 872	182: 2, 699, 056	132: 2, 703, 484	2, 708, 357	2, 710, 795	30: 2, 703, 494
2, 708, 837	2, 725, 734	133: 2, 718, 774	224: 2, 713, 257	72— .5: 2, 699, 668	2, 713, 788
2, 710, 525	2, 720, 097	134: 2, 718, 775	2, 719, 424	2, 703, 002	2, 724, 962
2, 712, 225	184: 2, 703, 972	2, 722, 118	227: 2, 706, 901	2, 707, 387	2, 728, 219
2, 716, 876	2, 721, 464				



73— 32: Re.24,075 2,708,360 2,715,831 2,718,139 2,720,109 33: 2,700,299 2,701,468 2,713,258 34: 2,704,450 35: 2,715,832 2,720,780 37: 2,705,888 2,707,388 2,707,876 37.5: 2,700,889 2,706,397 2,707,389 2,718,140 37.9: 2,726,539 38: 2,703,977 2,705,418 2,706,904 2,713,789 2,724,963 40: 2,700,890 2,703,978 2,706,398 2,711,645 40.5: 2,701,960 2,705,419 40.7: 2,723,554 2,727,383 46: 2,703,979 2,707,390 48: 2,716,885 49.2: 2,718,780 49.4: 2,725,742 49.6: 2,725,743 52: 2,719,426 53: 2,701,961 2,703,488 2,705,420 2,710,539 2,711,646 2,716,886 2,719,427 2,722,826 54: 2,716,337 55: 2,700,891 2,712,752 56: 2,725,744 57: 2,703,489 59: 2,701,469 2,703,006 2,707,391 2,708,361 60: 2,713,790 61: 2,699,673 2,706,905 2,724,263 65: 2,722,827 2,727,384 2,727,385 66: 2,720,110 2,720,781 2,721,474 2,721,475 2,722,828 2,722,829 2,722,830 2,723,555 67: 2,699,061 2,700,894 2,700,895 2,702,472 2,703,490 2,705,422 2,705,889 2,706,400 2,706,906 2,712,753 2,723,556 2,725,745 69: 2,716,887 70: 2,728,220 71: 2,706,401 72: 2,709,361 2,709,362 73: 2,715,833 2,716,338 2,723,557 75: 2,718,141 76: 2,709,914 78: 2,704,451 80: 2,708,847 81: 2,712,754 2,713,259 2,722,831 83: 2,726,540 88: 2,706,402 2,724,964 2,728,221 88.5: 2,703,491 2,704,452 2,715,332	73— 88.5: 2,719,428 2,726,541 89: 2,706,403 2,708,362 2,709,363 90: 2,702,473 91: 2,706,907 2,709,915 93: 2,706,404 94: 2,703,492 95: 2,699,674 2,712,755 2,724,264 2,726,542 97: 2,708,363 99: 2,712,756 100: 2,714,307 2,718,142 2,719,429 2,724,265 101: 2,713,260 2,713,791 2,722,832 2,724,269 102: 2,727,386 103: 2,700,300 105: 2,703,007 2,728,222 112: 2,723,558 2,723,559 116: 2,700,301 2,716,888 117: 2,707,877 2,716,339 118: 2,720,782 128: 2,722,833 133: 2,699,062 2,707,392 134: 2,706,405 136: 2,700,302 2,700,896 2,715,834 2,718,782 2,724,266 2,724,965 139: 2,715,333 2,724,969 2,722,834 141: 2,699,063 2,699,064 2,700,303 2,703,980 2,705,423 2,709,916 2,712,234 2,719,430 2,720,111 2,723,560 2,726,543 2,727,387 143: Re.24,092 2,700,304 144: 2,720,112 2,723,561 2,728,223 147: 2,700,305 2,709,917 2,711,648 2,716,889 2,721,476 2,724,966 149: 2,706,908 2,716,340 150: 2,705,424 2,712,235 2,728,224 151: 2,703,008 2,716,890 152: 2,700,897 2,702,474 2,718,143 153: 2,714,308 155: 2,699,675 2,706,406 2,709,365 2,711,649 2,713,261 2,724,267 157: 2,699,676 159: 2,698,538 2,701,962 2,704,451 2,706,909 2,706,910 160: 2,701,470 2,701,471 161: 2,708,364 2,715,334 2,721,477 167: 2,701,963 2,713,262 171: 2,701,472 2,711,099 178: 2,700,898 2,703,009 2,704,936 2,714,309	73— 178: 2,715,335 179: 2,718,783 2,726,544 180: 2,699,065 2,725,746 182: 2,699,066 2,706,407 2,726,545 184: 2,707,878 188: 2,701,473 189: 2,701,474 2,705,890 191: 2,703,010 194: 2,699,677 2,703,493 2,708,365 2,708,366 2,714,310 2,716,891 2,721,478 2,722,122 2,724,268 2,724,269 195: 2,724,270 197: 2,724,967 201: 2,724,968 203: 2,699,678 204: 2,724,271 2,726,546 2,728,225 205: 2,707,393 2,718,144 206: 2,720,783 207: 2,703,981 208: 2,727,388 209: 2,707,879 212: 2,706,408 2,706,409 2,714,819 216: 2,722,123 220: 2,717,516 228: Re.23,999 2,700,899 2,707,394 2,724,969 231: 2,709,366 2,723,562 2,723,563 244: 2,724,970 261: 2,710,540 268: 2,725,747 274: 2,713,792 278: 2,715,336 290: 2,702,475 2,706,410 2,709,918 2,713,263 2,715,337 2,720,784 293: 2,716,892 295: 2,702,476 299: Re.23,983 300: 2,700,306 2,718,145 301: 2,713,793 302: 2,700,900 304: 2,698,539 2,700,901 2,703,982 2,710,541 2,718,146 2,724,272 2,724,273 305: 2,717,517 306: 2,709,919 312: 2,716,341 2,722,835 313: 2,707,395 314: 2,720,785 317: 2,713,264 2,718,784 2,718,785 2,728,226 319: 2,728,227 321: 2,713,794 326: 2,707,396 327: 2,704,454 328: 2,715,835 2,718,147 335: 2,703,983 2,707,880 2,715,836 337: 2,728,228 338: 2,721,479 340: 2,713,265 342: 2,718,148 343: 2,701,964 2,703,011 2,724,274 351: 2,712,236 352: 2,703,495 353: 2,721,480 354: 2,716,342 355: 2,707,881 2,709,367	73— 357: 2,703,013 359: 2,701,965 2,706,411 2,718,786 2,720,786 361: 2,716,343 362: 2,711,650 367: 2,727,389 371: 2,712,237 2,723,564 2,725,748 373: 2,718,787 2,728,229 379: 2,708,367 2,715,338 382: 2,699,067 2,721,481 384: 2,713,795 386: 2,707,397 2,712,238 2,713,266 388: 2,713,267 389: 2,700,307 390: 2,701,966 2,705,891 2,722,836 2,728,230 391: 2,699,068 2,715,339 395: 2,725,749 397: 2,703,012 2,720,787 2,726,547 398: 2,699,069 2,710,538 2,713,796 2,720,113 399: 2,706,911 2,712,239 401: 2,703,014 403: 2,702,477 405: 2,701,967 2,702,478 407: 2,722,837 2,728,231 414: 2,701,968 416: 2,707,398 418: 2,712,240 419: 2,719,431 421: 2,705,425 2,709,368 421.5: 2,719,432 422: 2,702,479 2,702,480 2,703,015 2,713,268 2,720,788 2,726,548 423: 2,705,426 2,727,390 425: 2,703,984 425.2: 2,699,679 425.4: 2,699,680 2,713,269 2,726,549 425.6: 2,724,275 2,728,232 427: 2,698,540 428: 2,720,114 430: 2,704,937 431: 2,701,969 432: 2,703,985 2,704,455 2,707,399 2,708,368 2,709,920 2,712,241 2,723,565 2,727,391 451: 2,722,838 452: 2,727,392 457: 2,700,892 462: 2,724,971 463: 2,706,399 466: 2,711,647 2,712,232 467: 2,709,913 481: 2,700,893 483: 2,705,421 484: 2,718,781 486: 2,698,537 1: 2,706,781 2,710,352 2,719,921 2: 2,698,541 2,700,308 2,702,481 2,702,482 2,724,972 5: 2,714,311 2,716,893 5.1: 2,716,344 2,722,124 2,726,550 5.4: 2,704,456	74— 5.4: 2,704,938 2,707,400 2,707,882 2,711,651 2,713,270 5.41: 2,699,681 2,716,894 2,728,233 5.42: 2,720,116 5.44: 2,711,652 2,722,839 5.45: 2,722,126 2,722,127 5.46: 2,716,345 5.5: 2,718,149 2,718,788 5.6: 2,704,457 2,707,401 2,709,921 2,709,922 2,712,757 2,718,789 2,720,115 2,722,125 2,725,750 5.7: 2,698,542 2,708,369 2,727,393 6: 2,706,412 2,709,369 7: 2,704,458 2,704,939 2,706,413 2,706,414 2,708,370 2,710,542 2,714,312 2,715,837 2,716,346 2,716,895 2,720,789 2,721,482 2,727,394 2,728,234 8: 2,725,751 2,725,752 10.2: 2,716,896 2,718,150 10.54: 2,716,897 10.7: 2,720,117 10.85: 2,728,235 15.6: 2,716,347 15.63: 2,698,543 15.66: 2,711,100 15.84: 2,724,973 16: 2,704,940 2,725,753 2,727,395 2,728,236 18: 2,698,544 2,699,070 18.1: 2,718,151 2,725,754 18.2: 2,703,016 2,712,242 2,715,838 25: 2,708,848 2,711,653 27: 2,711,101 37: 2,705,427 38: 2,722,128 50: 2,704,941 2,713,271 52: 2,720,790 54: 2,706,415 2,724,276 56: 2,720,791 58: 2,706,912 60: 2,702,483 63: 2,704,459 70: 2,699,682 2,699,683 2,704,460 75: 2,717,518 82: 2,720,118 86: 2,703,017 87: 2,722,840 2,728,237 89: 2,715,839 95: 2,706,913 96: 2,710,543 99: 2,699,684 2,711,654 2,728,238 100: 2,701,475 2,708,371 2,708,849 108: 2,703,018 110: 2,708,372 2,713,797 113: 2,706,914 116: 2,709,370 124: 2,716,348 2,719,433 125: 2,718,152	74— 128: 2,715,840 159: 2,712,758 190.5: 2,713,272 191: 2,715,841 2,721,483 194: 2,716,898 198: 2,727,396 199: 2,700,309 2,724,277 2,727,397 200: 2,701,970 2,704,461 202: 2,719,434 203: 2,722,841 209: 2,716,349 217: 2,704,462 2,712,759 2,716,350 219: 2,704,463 2,718,153 220: 2,718,154 2,722,129 224: 2,706,416 229: 2,718,790 2,724,974 2,725,755 2,728,239 230.01: 2,707,402 2,728,240 230.17: 2,699,071 2,702,484 2,703,986 2,707,883 2,708,850 2,709,373 2,709,374 2,711,102 2,711,103 2,712,443 2,714,313 2,715,842 2,717,519 2,718,155 2,721,484 2,722,131 2,722,842 2,727,398 230.2: 2,706,902 230.24: 2,725,756 230.5: 2,709,371 230.7: 2,701,971 2,707,403 2,722,130 230.8: 2,724,975 231: 2,727,399 232: 2,712,332 233: 2,699,685 2,724,278 235: 2,710,544 239: 2,718,791 240: 2,725,757 241: 2,718,156 2,727,400 242: 2,727,401 242.1: 2,723,566 242.11: 2,703,019 2,717,520 2,719,435 242.13: 2,722,132 242.14: 2,702,485 242.3: 2,705,892 242.8: 2,708,373 2,724,976 243: 2,704,942 2,714,820 2,720,792 2,721,485 2,724,279 2,724,280 245: 2,715,340 246: 2,704,943 249: 2,712,760 250: 2,722,843 254: 2,703,020 325: 2,704,464 330: 2,722,844 334: 2,712,244 336: 2,728,241 336.5: 2,703,496 2,713,798 341: 2,710,545 342: 2,701,476 354: 2,722,845 355: 2,722,846 359: 2,725,758 2,726,551 360: 2,710,546 2,712,245 361: 2,724,281 2,727,402 363: 2,699,072 364: 2,701,477 2,726,552 2,728,242
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74— 365: 2, 723, 567 368: 2, 698, 545 2, 725, 759 376: 2, 707, 404 377: 2, 717, 521 378: 2, 718, 792 385: 2, 716, 899 388: 2, 723, 568 2, 724, 282 2, 724, 977 2, 727, 403 395: 2, 700, 903 399: 2, 703, 497 400: 2, 716, 351 409: 2, 717, 522 410: 2, 703, 021 2, 712, 761 2, 726, 553 413: 2, 703, 987 417: 2, 702, 486 2, 715, 843 421: 2, 708, 851 2, 709, 923 424. 8: 2, 701, 478 2, 703, 498 2, 708, 374 2, 715, 341 2, 716, 352 425: 2, 706, 915 2, 713, 799 2, 724, 283 2, 724, 978 426: 2, 712, 246 434: 2, 704, 465 2, 714, 314 445: 2, 709, 375 448: 2, 707, 884 457: 2, 718, 793 459: 2, 711, 655 2, 714, 821 2, 724, 284 2, 724, 979 460: 2, 720, 119 465: 2, 714, 315 471: 2, 700, 904 2, 703, 988 2, 724, 980 472: 2, 699, 073 2, 699, 686 2, 703, 989 2, 707, 405 2, 707, 885 2, 709, 376 2, 711, 104 2, 711, 656 2, 713, 273 2, 713, 800 2, 716, 353 2, 718, 157 2, 719, 436 2, 719, 437 2, 720, 120 2, 720, 793 2, 722, 133 2, 722, 134 2, 728, 243 473: 2, 705, 893 2, 723, 569 477: 2, 716, 354 478. 5: 2, 722, 847 479: 2, 699, 687 480: 2, 720, 121 481: 2, 707, 886 2, 724, 285 2, 724, 981 483: 2, 722, 135 484: 2, 707, 406 491: 2, 723, 570 493: 2, 716, 355 501: 2, 706, 417 501. 5: Re. 23, 933 502: 2, 724, 982 503: 2, 703, 990 2, 704, 944 507: 2, 727, 404 509: 2, 714, 822 510: 2, 724, 286 516: 2, 718, 794 520: 2, 716, 900 522: 2, 728, 244 526: 2, 716, 901 528: Re. 23, 961 2, 704, 466 2, 723, 571 531: 2, 703, 499 539: 2, 722, 136 540: 2, 727, 405 541: 2, 712, 762 2, 716, 902 543: 2, 722, 137 548: 2, 727, 406 557: 2, 716, 903 562. 5: 2, 710, 547 2, 726, 554	74— 565: 2, 708, 375 2, 720, 122 567: 2, 704, 945 568: 2, 712, 763 571: 2, 709, 924 572: 2, 716, 356 2, 719, 438 2, 723, 572 573: 2, 722, 848 574: 2, 704, 467 2, 714, 823 2, 716, 904 2, 722, 138 2, 722, 849 2, 723, 573 2, 724, 983 575: 2, 705, 428 2, 727, 407 577: 2, 728, 245 580: 2, 720, 794 581: 2, 726, 555 585: 2, 725, 760 590: 2, 722, 850 593: 2, 718, 795 594. 4: 2, 706, 418 594. 7: 2, 715, 342 606: 2, 714, 824 607: 2, 701, 972 612: 2, 707, 407 2, 720, 795 615: 2, 709, 925 2, 727, 408 616: 2, 724, 287 625: 2, 698, 546 2, 703, 991 2, 704, 947 2, 724, 288 2, 724, 289 626: 2, 701, 973 645: 2, 699, 074 2, 707, 408 2, 707, 887 2, 709, 926 2, 726, 556 650: 2, 700, 310 2, 725, 761 665: 2, 716, 905 2, 717, 523 2, 718, 158 674: 2, 700, 311 675: 2, 728, 246 677: 2, 716, 906 2, 718, 796 681: 2, 711, 105 2, 711, 657 687: 2, 719, 439 688: 2, 704, 468 2, 705, 429 2, 725, 762 689: 2, 714, 825 691: 2, 709, 377 2, 716, 357 695: 2, 724, 290 700: 2, 721, 486 2, 727, 409 710: 2, 699, 075 2, 716, 358 2, 724, 291 711: 2, 702, 487 2, 709, 927 2, 720, 796 2, 722, 139 2, 722, 140 713: 2, 720, 797 720. 5: 2, 716, 907 722: 2, 699, 688 2, 718, 159 2, 720, 123 730: 2, 699, 689 731: 2, 703, 500 2, 719, 440 732: 2, 701, 480 2, 720, 124 2, 724, 292 2, 724, 293 2, 726, 557 750: 2, 713, 274 2, 719, 441 751: 2, 701, 481 2, 701, 974 752: 2, 717, 524 2, 718, 797 761: 2, 728, 247 763: 2, 699, 076 2, 700, 312 2, 706, 419 2, 722, 141 2, 725, 763 764: 2, 718, 160 765: 2, 715, 343 2, 719, 442 2, 721, 487 769: 2, 709, 928 770: 2, 701, 479 780: 2, 714, 826 781: 2, 716, 359	74— 785: 2, 726, 558 794: 2, 709, 929 796: 2, 706, 916 798: 2, 703, 992 800: 2, 699, 690 801: 2, 715, 344 802: 2, 722, 851 810: 2, 727, 410 812: 2, 718, 161 75— . 5: 2, 704, 707 2, 711, 950 2, 716, 057 2, 720, 453 2, 721, 134 2, 721, 135 2, 725, 287 2, 726, 151 2, 726, 950 2, 726, 951 2, 728, 655 1: 2, 719, 081 2: 2, 716, 600 3: 2, 711, 951 2, 719, 082 5: 2, 717, 205 9: 2, 699, 387 10: 2, 702, 239 2, 720, 454 12: 2, 704, 247 2, 706, 673 14: 2, 715, 062 21: 2, 709, 131 24: 2, 701, 194 25: 2, 710, 796 26: 2, 702, 240 2, 711, 368 27: 2, 698, 784 28: 2, 710, 797 30: 2, 721, 793 33: 2, 711, 952 34: 2, 701, 761 2, 701, 762 2, 716, 601 2, 720, 455 36: 2, 699, 388 2, 709, 650 2, 721, 794 40: 2, 704, 248 41: 2, 715, 575 2, 727, 815 42: 2, 719, 083 2, 727, 816 46: 2, 707, 677 49: 2, 726, 952 53: 2, 711, 953 2, 716, 602 54: 2, 711, 954 58: 2, 705, 196 2, 706, 152 62: 2, 724, 644 63: 2, 704, 249 66: 2, 710, 798 67: 2, 706, 679 2, 716, 603 68: 2, 707, 678 2, 715, 063 2, 723, 911 84: 2, 700, 606 2, 707, 679 2, 718, 464 2, 727, 817 84. 1: 2, 703, 752 84. 4: 2, 711, 955 84. 5: 2, 706, 153 2, 708, 158 2, 714, 554 88: 2, 720, 456 97: 2, 721, 795 103: 2, 717, 829 2, 721, 796 2, 727, 818 2, 727, 819 108: 2, 721, 136 2, 722, 480 2, 726, 953 110: 2, 724, 645 2, 724, 646 113: 2, 723, 912 119: 2, 711, 956 2, 711, 957 2, 711, 958 2, 720, 457 120: 2, 722, 481 121: 2, 707, 149 2, 710, 799 2, 714, 555 123: 2, 707, 680 2, 719, 084 124: 2, 699, 992 2, 708, 159 2, 715, 576 126: 2, 698, 785 2, 709, 132 128: 2, 711, 959 2, 724, 647 129: 2, 714, 065	75— 129: 2, 715, 064 130: 2, 716, 604 2, 726, 152 134: 2, 704, 708 139: 2, 706, 680 149: 2, 710, 253 154: 2, 706, 154 161: 2, 712, 992 162: 2, 715, 577 166: 2, 712, 993 167: 2, 706, 681 2, 717, 206 2, 723, 913 2, 728, 656 168: 2, 703, 753 170: 2, 720, 458 171: 2, 699, 993 2, 703, 277 2, 704, 250 2, 712, 498 2, 713, 537 2, 713, 538 2, 716, 605 173: 2, 719, 085 2, 700, 607 2, 703, 278 2, 704, 251 2, 718, 465 2, 721, 137 2, 721, 797 2, 726, 954 176: 2, 698, 786 177: 2, 705, 674 2, 711, 960 178: 2, 720, 459 2, 728, 657 203: 2, 714, 556 2, 726, 153 206: 2, 706, 682 207: 2, 719, 786 214: 2, 721, 138 222: 2, 709, 651 2, 726, 561 226: 2, 725, 288 25: Re. 24, 093 24: 2, 708, 386 31: 2, 707, 409 35: 2, 709, 930 36: 2, 705, 430 37: 2, 699, 691 2, 701, 975 2, 709, 378 40: 2, 716, 908 41: 2, 704, 948 2, 722, 852 43: 2, 720, 798 49: 2, 724, 294 52: 2, 722, 142 54: 2, 727, 411 71: 2, 704, 469 72: 2, 710, 548 78: 2, 713, 275 79: 2, 707, 888 2, 711, 658 82. 1: 2, 704, 949 85: 2, 708, 377 86: 2, 709, 379 2, 724, 984 89. 2: 2, 714, 316 101: 2, 699, 077 2, 703, 993 2, 706, 420 2, 718, 162 2, 725, 764 104: 2, 725, 765 107: 2, 699, 692 2, 699, 693 2, 703, 022 2, 703, 023 2, 711, 106 2, 712, 247 2, 716, 909 110: 2, 707, 410 112: 2, 713, 276 2, 714, 317 2, 721, 488 77— 1: 2, 700, 313 2, 722, 853 2: Re. 24, 039 2, 706, 917 2, 725, 766 3: Re. 23, 969 2, 699, 694 2, 728, 248 4: 2, 699, 695 2, 725, 767 5: 2, 709, 931 2, 715, 844 7: 2, 709, 380 2, 720, 125 2, 727, 412 18: 2, 701, 482 21: 2, 703, 994 28: 2, 699, 078 32. 3: 2, 722, 854	77— 32. 3: 2, 727, 413 37: 2, 722, 855 55: 2, 700, 905 2, 706, 918 57: 2, 727, 414 58: 2, 699, 696 2, 703, 995 60: 2, 714, 318 62: 2, 698, 547 2, 705, 431 2, 726, 559 2, 728, 249 63: 2, 712, 248 2, 724, 295 64: 2, 709, 932 68: 2, 708, 852 69: 2, 722, 856 71: 2, 708, 853 73. 5: 2, 703, 996 2, 706, 421 2, 710, 549 2, 716, 360 2, 725, 768 75: 2, 711, 107 76: 2, 716, 361 9: 2, 726, 560 13: 2, 722, 144 21: 2, 712, 249 25: 2, 719, 443 36: 2, 715, 845 37: 2, 703, 024 45: 2, 713, 277 46: 2, 704, 470 48: 2, 718, 798 2, 723, 574 53. 5: 2, 705, 894 60: 2, 700, 906 2, 711, 659 2, 725, 769 61: 2, 699, 079 82: 2, 715, 345 89: 2, 709, 381 2, 726, 561 90: 2, 700, 907 92: 2, 698, 548 96: 2, 720, 800 98: 2, 708, 378 470. 1: 1, 703, 997 2, 703, 998 80— 1: 2, 699, 080 2, 699, 697 2, 711, 660 5. 1: 2, 700, 314 2, 701, 484 2, 711, 108 2, 717, 525 6: 2, 704, 950 2, 720, 801 7: 2, 705, 895 10: 2, 706, 919 12: 2, 713, 801 14: 2, 703, 999 16: 2, 712, 250 18: 2, 700, 908 19: 2, 701, 485 2, 726, 562 23: 2, 700, 909 31. 1: 2, 710, 550 38: 2, 709, 934 40: 2, 701, 976 51: 2, 709, 935 60: 2, 706, 422 2, 708, 379 2, 715, 846 81— 1: 2, 702, 488 2, 706, 423 3: 2, 706, 920 2, 711, 109 2, 713, 278 2, 714, 319 2, 718, 163 2, 718, 799 3. 1: 2, 728, 250 3. 2: 2, 709, 936 3. 3: 2, 718, 800 3. 41: 2, 718, 801 3. 42: 2, 698, 549 2, 719, 444 3. 44: 2, 717, 526 3. 45: 2, 712, 251 3. 46: 2, 710, 551 2, 727, 415 3. 8: 2, 716, 910 5. 1: 2, 700, 910 2, 709, 937 2, 718, 164 2, 722, 857 6: 2, 707, 890 2, 710, 552 7. 5: 2, 703, 025 2, 717, 527 9. 1: 2, 701, 486 9. 5: 2, 704, 000 2, 723, 575 2, 724, 985 9. 51: 2, 703, 026	81— 9. 51: 2, 718, 802 2, 722, 145 15: 2, 704, 001 2, 708, 380 2, 709, 382 2, 709, 938 2, 712, 252 2, 712, 253 2, 713, 279 2, 714, 827 2, 720, 802 2, 721, 489 2, 722, 146 2, 722, 858 2, 722, 859 2, 723, 576 2, 723, 577 2, 723, 578 2, 727, 416 15. 2: 2, 709, 383 15. 8: 2, 707, 411 2, 707, 891 2, 721, 490 17: 2, 699, 698 2, 713, 802 2, 714, 320 17. 2: 2, 704, 002 2, 708, 381 2, 708, 382 17. 4: 2, 724, 986 17. 5: 2, 698, 550 2, 716, 362 19: 2, 703, 027 2, 722, 147 23: 2, 716, 911 26: 2, 728, 251 30: 2, 708, 854 33: 2, 718, 165 2, 723, 579 39: 2, 724, 296 40: 2, 720, 126 2, 724, 297 2, 724, 298 41: 2, 703, 028 2, 704, 951 2, 709, 384 43: 2, 722, 148 45: 2, 706, 921 46: 2, 705, 432 2, 701, 487 49: 2, 701, 488 51. 3: 2, 704, 471 2, 707, 895 2, 727, 417 52: 2, 714, 321 52. 3: 2, 711, 661 2, 711, 662 2, 718, 803 2, 721, 491 52. 35: 2, 703, 029 2, 712, 254 2, 718, 804 52. 4: 2, 699, 081 2, 704, 472 2, 707, 892 2, 720, 803 2, 724, 299 2, 725, 770 2, 728, 252 53: 2, 701, 489 2, 704, 473 2, 712, 764 2, 715, 847 2, 719, 445 55: 2, 704, 474 2, 709, 385 57: 2, 701, 490 2, 703, 030 2, 704, 952 2, 705, 896 2, 712, 255 2, 716, 363 2, 719, 446 2, 723, 580 58. 1: 2, 702, 489 2, 711, 110 2, 726, 563 58. 2: 2, 699, 082 2, 707, 412 2, 711, 111 2, 712, 256 58. 3: 2, 707, 893 2, 712, 765 59. 1: 2, 719, 447 2, 722, 149 60: 2, 703, 383 61: 2, 704, 475 2, 707, 413 2, 708, 855 2, 709, 386 2, 725, 771 62: 2, 712, 257 63: 2, 706, 424 2, 712, 258 2, 720, 127
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81— 63: 2,725,772	82— 21: 2,723,582	86— 1: 2,722,155	88— 22: 2,707,901	88— 56: 2,723,594	89— 41: 2,712,271
63.2: 2,701,977	24: 2,712,767	19: 2,728,260	22.5: 2,702,494	57: 2,698,555	2,714,837
64: 2,701,491	2,715,849	22: 2,704,483	2,703,035	2,701,982	2,723,596
65: 2,718,166	2,716,369	23: 2,719,453	2,710,559	2,701,983	2,724,998
68: 2,726,564	25: 2,701,496	39: 2,700,915	2,728,265	2,702,493	43: 2,715,856
72: 2,715,346	28: 2,700,912	45: 2,714,832	23: 2,699,086	2,703,037	2,720,819
72: 2,721,492	33: 2,701,978	1: 2,712,263	2,699,087	2,704,487	45: 2,708,391
73: 2,705,898	2,704,006	2,722,861	2,700,916	2,707,417	136: 2,712,272
78: 2,701,492	2,725,777	2: 2,723,586	2,706,428	2,713,808	140: 2,715,355
79: 2,716,365	34: 2,716,914	2,723,587	2,714,329	2,713,809	2,716,923
83: 2,703,502	2,716,915	2,723,588	24: 2,699,088	2,715,354	142: 2,718,818
2,724,300	35: 2,720,131	8: 2,700,317	2,699,703	2,715,854	164: 2,715,356
84: 2,704,476	36: 2,710,553	33: 2,712,769	2,699,704	2,715,855	173: 2,720,820
2,705,899	2,710,554	2,717,528	2,700,917	2,718,173	181: 2,715,857
2,711,663	2,718,807	53: 2,711,116	2,701,979	2,718,174	182: 2,704,491
2,714,828	37: 2,711,664	54: 2,727,425	2,701,980	2,718,817	184: 2,717,535
2,716,364	2,714,830	56: 2,704,958	2,703,506	2,720,139	190: 2,714,334
85: 2,706,922	39: 2,718,168	2,718,810	2,703,507	2,720,140	193: 2,715,858
86: 2,716,912	40: 2,699,084	1: 2,700,318	2,704,484	2,720,813	90— 4: 2,700,324
90: 2,709,939	41: 2,720,807	2,707,898	2,704,485	2,720,814	2,704,492
2,713,803	44: 2,698,551	2,707,899	2,704,959	2,720,815	2,711,673
2,723,581	2,704,481	2,709,942	2,705,436	2,720,816	2,714,838
91: 2,704,953	2,720,132	2,712,264	2,705,902	2,720,817	5: 2,725,792
2,706,923	84— 1.01: 2,710,555	2,716,918	2,708,388	2,721,499	9.4: 2,718,176
2,708,384	1.04: 2,716,370	2,722,862	2,711,669	2,721,500	11: 2,702,495
2,718,167	1.09: 2,710,556	2,725,781	2,711,670	2,721,501	2,704,011
98: 2,716,366	1.15: 2,704,957	2,728,261	2,712,266	2,724,992	2,706,432
99: 2,713,280	1.16: 2,725,778	1.5: 2,699,700	2,712,267	2,724,993	2,713,811
101: 2,700,911	1.19: 2,699,085	2,715,351	2,714,330	2,724,994	2,722,161
2,704,477	1.24: 2,720,133	2,719,454	2,715,353	2,725,789	11.4: 2,723,597
103: 2,714,322	1.28: 2,715,348	2,701,500	2,717,530	2,726,574	11.46: 2,724,306
106: 2,718,805	95: 2,709,940	14: 2,699,701	2,718,171	2,728,266	11.48: 2,712,775
112: 2,704,003	174: 2,713,804	2,700,319	2,718,172	61: 2,705,440	12: 2,701,986
2,704,954	183: 2,715,349	2,700,320	2,718,812	2,705,903	2,721,502
119: 2,705,433	199: 2,728,278	2,701,501	2,718,813	65: 2,699,706	12.5: 2,711,119
121: 2,715,347	220: 2,727,420	2,701,502	2,718,814	2,700,919	2,719,461
2,716,367	231: 2,701,497	2,703,033	2,720,136	72: 2,719,457	13: 2,716,924
2,727,418	236: 2,715,850	2,703,505	2,721,496	74: 2,707,902	2,726,578
124.1: 2,701,493	297: 2,710,557	2,704,007	2,721,497	2,711,672	13.05: 2,704,964
125: Re.24,066	299: 2,709,388	2,705,434	2,722,158	2,724,995	13.1: 2,702,496
2,701,494	2,714,326	2,705,901	2,723,592	77: 2,709,945	2,703,510
2,714,829	312: 2,719,451	2,706,427	2,723,593	2,714,835	2,713,289
2,718,806	315: 2,727,421	2,706,927	2,724,987	2,722,159	2,713,290
2,720,804	2,727,422	2,706,928	2,725,786	2,722,864	2,715,859
126: 2,703,503	330: 2,700,316	2,707,415	2,726,571	78: 2,723,595	13.2: 2,722,866
145: 2,719,448	341: 2,720,808	2,707,900	2,726,572	79: 2,703,038	13.3: 2,721,503
2,724,301	355: 2,722,152	2,708,387	2,727,430	2,708,858	13.4: 2,723,598
147: 2,708,385	360: 2,711,665	2,708,857	2,727,431	80: 2,709,393	13.5: 2,704,012
159: 2,704,478	2,716,916	2,709,943	2,727,432	82: 2,713,286	2,716,925
160: 2,699,699	2,725,779	2,709,944	2,712,772	84: 2,707,903	2,718,819
165: 2,704,004	375: 2,722,153	2,712,265	2,704,008	87: 2,705,904	13.9: 2,720,141
2,708,386	2,726,566	2,714,327	2,724,988	93: 2,713,810	14: 2,710,563
2,708,856	376: 2,700,913	2,714,328	2,700,322	2,717,531	2,712,273
2,709,387	2,711,666	2,714,833	2,701,981	96: 2,699,707	15: 2,698,556
2,714,323	377: 2,718,808	2,714,834	2,711,118	97: 2,709,946	2,706,433
2,719,449	2,725,780	2,715,851	2,712,268	98: 2,704,962	2,712,274
2,719,450	2,726,567	2,716,371	2,727,433	2,704,963	2,714,336
2,720,805	385: 2,710,558	2,718,170	2,699,089	2,706,931	2,726,579
2,722,150	2,728,256	2,718,811	2,704,486	2,714,331	2,728,268
177: 2,704,005	400: 2,716,917	2,720,810	2,705,437	2,718,175	15.1: 2,701,505
2,713,281	402: 2,703,504	2,720,811	2,705,438	2,722,160	2,703,511
2,725,773	2,713,805	2,720,812	2,705,439	2,724,996	2,718,177
2,704,479	403: 2,704,482	2,721,495	2,708,859	2,726,575	2,728,269
177.8: 2,705,897	404: 2,722,154	2,722,156	2,716,922	105: 2,700,323	16: 2,718,820
179: 2,712,259	2,727,423	2,723,589	2,720,137	112: 2,708,389	2,722,162
2,721,493	405: 2,707,414	2,723,590	2,724,989	113: 2,707,418	19: 2,714,337
180: 2,707,894	411: 2,722,860	2,724,304	2,724,990	89— 1: 2,708,860	21: 2,701,987
2,712,766	413: 2,706,925	2,725,782	2,725,787	2,717,532	2,728,270
182: 2,706,924	422: 2,728,257	2,728,262	28.92: 2,699,090	1.5: 2,707,904	21.5: 2,703,040
2,725,774	423: 2,700,914	2,700,321	28.93: 2,699,705	2,712,269	24: 2,703,512
183: 2,700,315	2,701,498	2,706,929	2,706,930	2,713,287	2,714,338
185: 2,711,112	2,707,896	2,707,426	2,726,573	2,717,533	24.3: 2,722,867
186: 2,720,128	424: Re.23,956	2,705,435	2,698,553	2,726,576	26: 2,710,564
82— 1: 2,713,282	451: 2,706,926	2,709,391	2,702,492	2,702,492	33: 2,709,395
2,716,368	2,720,134	2,711,667	2,704,960	2,701,984	2,711,674
2,724,302	454: 2,723,583	2,722,157	2,712,773	2,701,985	2,714,339
2: 2,725,775	456: 2,726,568	2,725,783	2,715,853	2,703,508	38: 2,727,438
2.5: 2,704,955	458: 2,701,499	2,727,427	2,724,991	2,706,431	39: 2,700,325
2,728,253	464: 2,728,258	2,727,428	2,699,091	2,709,947	58: 2,708,861
2.7: 2,714,324	466: 2,720,809	2,727,429	2,706,429	2,712,270	59: 2,699,708
3: 2,701,495	477: 2,727,424	2,711,668	2,727,434	2,717,534	2,705,441
4: 2,703,031	480: 2,718,169	2,725,784	33: 2,704,009	2,720,818	2,707,419
2,706,425	505: 2,705,900	2,725,785	2,710,560	2,725,790	2,725,793
11: 2,703,032	85— 2: 2,707,897	2,701,503	39: 2,699,092	14: 2,714,332	2,726,580
12: 2,715,848	2,718,809	2,716,919	2,700,918	27: 2,714,836	62: 2,726,581
2,716,913	2,726,569	2,716,920	2,713,807	28: 2,719,458	2,726,582
14: 2,704,956	2.4: 2,709,389	2,713,285	2,718,815	33: 2,701,504	92— 1: 2,711,369
2,711,113	2,720,135	2,703,034	2,719,456	2,713,288	2,723,194
2,720,129	3: 2,698,552	2,711,117	2,720,138	2,719,459	1.6: 2,703,754
2,722,151	5: 2,713,284	2,712,770	2,722,863	2,722,865	2: 2,710,254
2,725,776	2,728,259	2,728,263	2,725,788	2,724,997	2,710,255
2,726,565	8.1: 2,709,941	2,699,702	2,725,791	2,725,791	3: 2,698,787
2,727,419	8.3: 2,702,490	2,702,491	2,718,816	34: 2,710,561	2,698,788
2,728,254	10: 2,719,452	2,704,488	2,727,435	35: 2,708,390	2,699,389
18: 2,714,325	2,724,303	2,707,416	41: 2,699,093	2,714,333	2,702,241
19: 2,704,480	16: 2,712,261	2,712,771	2,703,036	36: 2,726,577	2,705,197
2,706,426	17: 2,712,768	2,716,921	2,712,774	37: 2,719,460	2,705,198
2,720,130	20: 2,714,831	2,719,455	2,727,436	37.5: 2,703,509	2,706,155
2,721,494	23: 2,711,115	2,728,264	2,727,437	2,709,394	2,710,800
2,728,255	32: 2,723,584	2,715,352	47: 2,711,671	2,709,948	2,712,994
20: 2,720,806	2,723,585	2,715,852	49: 2,706,430	2,710,562	2,713,539
21: 2,699,083	36: 2,709,390	2,717,529	51: 2,704,961	41: 2,700,920	2,715,065
2,711,114	2,712,262	2,723,591	52: 2,721,498	2,703,039	2,719,787
2,712,260	2,715,350	2,724,305	54: 2,704,010	2,704,489	2,721,139
2,713,283	2,713,806	2,726,570	56: 2,709,392	2,704,490	2,721,140



92—	3: 2,723,195 6: 2,698,789 2,708,160 2,713,540 7: 2,699,390 2,723,196 9: 2,703,279 2,709,133 10: 2,700,608 11: 2,709,652 2,719,788 13: 2,701,763 2,716,058 2,725,289 20: 2,713,291 2,718,178 2,727,439 21: 2,698,793 2,706,156 2,709,653 2,711,370 2,711,371 2,711,961 2,715,066 2,717,830 22: 2,709,949 2,725,794 25: 2,719,462 26: 2,703,533 2,707,420 2,716,926 2,718,821 2,719,463 2,722,163 2,727,440 27: 2,699,095 2,709,396 2,725,795 28: 2,709,397 2,715,860 2,717,536 2,718,179 30: 2,706,932 2,727,441 35: 2,707,905 38: 2,711,120 2,711,675 2,718,822 2,722,868 2,723,599 39: 2,704,965 2,714,340 2,717,537 2,717,538 2,719,464 2,721,504 2,722,869 2,724,307 40: 2,721,505 2,725,796 43: 2,701,988 2,702,497 2,703,513 2,717,539 2,718,823 44: 2,699,096 2,700,921 2,706,434 2,716,927 2,718,824 2,722,164 2,728,271 2,728,272 45: 2,699,709 2,727,442 46: 2,714,341 47: 2,718,180 49: 2,709,398 2,718,825 51: 2,712,776 2,714,839 2,717,540 2,728,273 53: 2,714,342 54: 2,698,557 2,704,493 2,718,826 2,723,600 55: 2,698,558 2,699,097 56: 2,703,041 2,705,442 57: 2,700,326 66: 2,720,142 2,725,797 73: 2,714,840 2,718,827 74: 2,724,999 93—	1: 2,725,798 8: 2,708,392 2,708,393 20: 2,701,989 22: 2,722,165 28: 2,707,421 2,712,275 30: 2,716,372 33: 2,705,443 36: 2,711,676 2,712,777 2,713,812 2,719,465 2,728,274 36.01: 2,704,013 36.2: 2,703,514 36.3: 2,723,601 2,727,443 36.5: 2,725,000 37: 2,699,710 2,699,711 2,700,922 2,706,935 2,710,565 2,720,143 2,723,602 2,724,308 39.1: 2,700,328 39.2: 2,725,001 2,726,583 40: 2,713,292 41: 2,722,166 49: 2,704,966 2,708,862 2,709,399 2,710,566 2,711,677 2,714,343 2,726,584 51: 2,714,344 2,717,541 2,727,444 52: 2,701,990 2,723,603 53: 2,698,559 2,699,712 54.2: 2,705,905 2,713,813 55.1: 2,701,506 2,703,042 58.5: 2,716,928 61: 2,703,043 2,718,828 2,723,604 62: 2,709,951 77: 2,724,309 79: 2,719,466 80: 2,699,099 2,709,400 2,712,778 2,723,605 81: 2,708,394 2,719,467 2,728,275 88: 2,720,821 93: 2,708,863 2,710,567 2,723,606 2,725,002 94—	1.5: 2,699,982 4: 2,704,967 5: 2,706,936 6: 2,718,829 13: 2,702,498 2,723,607 2,728,276 17: 2,716,373 18: 2,698,560 2,700,329 36: 2,725,003 39: 2,705,906 40: 2,718,830 2,718,831 44: 2,725,799 46: 2,707,422 2,720,822 48: 2,723,608 2,728,277 50: 2,703,515 2,704,968 95—	1.1: 2,699,100 1.9: 2,701,764 2,701,765 2,703,280 2,705,199 2,705,675 2,698,794 2,698,795 2,698,796 2,698,797 2,701,195 2,704,709 2,704,710 2,715,861 2,722,870	2: 2,707,150 2,708,625 2,712,995 2,719,086 2,725,290 2,726,154 4.5: 2,699,101 2,701,991 2,702,499 2,704,014 2,709,952 2,714,841 2,714,842 2,714,843 2,715,862 2,725,800 2,725,801 2,725,802 2,725,803 5: 2,701,196 2,703,281 2,703,755 2,708,626 2,711,372 5.1: 2,704,252 2,715,578 5.4: 2,702,242 5.6: 2,704,712 2,709,654 5.7: 2,700,609 6: 2,703,283 2,704,713 2,706,683 2,706,684 2,706,685 2,710,801 2,710,802 2,710,803 2,716,059 2,717,831 2,717,832 2,718,466 2,721,798 2,725,291 2,725,292 2,727,820 2,728,658 2,728,659 2,728,660 2,728,661 7: 2,699,391 2,699,392 2,700,610 2,701,197 2,701,198 2,703,282 2,703,756 2,704,253 2,704,714 2,704,715 2,704,716 2,704,717 2,704,718 2,704,719 2,704,720 2,708,161 2,708,162 2,709,134 2,710,804 2,710,805 2,713,541 2,716,060 2,716,061 2,716,062 2,717,833 2,719,087 2,721,799 2,721,800 2,723,197 2,723,194 2,725,293 2,725,294 2,725,295 2,726,955 2,728,662 2,728,663 2,728,664 2,728,665 2,728,666 2,728,667 2,728,668 8: 2,698,798 2,701,199 2,702,243 2,704,254 2,706,686 2,709,655 2,714,066 2,719,088 2,721,801 2,725,296 2,726,956 2,727,821 9: 2,703,284 2,717,834	95—	9: 2,719,789 2,725,297 11: Re.24,076 2,698,561 2,714,844 2,719,468 11.5: 2,703,516 2,708,395 2,710,568 2,715,357 2,719,469 2,720,144 2,727,445 2,728,279 12.5: 2,713,814 2,719,470 13: 2,706,937 2,722,871 2,724,310 14: 2,705,907 2,727,446 16: 2,717,542 18: 2,706,938 2,709,401 2,723,609 2,724,311 2,724,312 2,725,804 31: 2,701,507 2,704,969 2,721,506 2,722,872 2,725,004 2,727,447 2,728,280 2,728,281 2,728,282 32: 2,713,293 34: 2,716,374 2,716,929 36: 2,706,435 42: 2,707,423 44: 2,713,815 2,717,543 2,718,832 45: 2,705,908 2,717,544 2,720,145 2,726,585 47: 2,718,833 49: 2,726,586 55: 2,704,494 2,725,005 57: 2,699,102 58: 2,702,500 60: 2,718,834 63: 2,718,835 64: 2,701,992 2,716,930 2,725,805 71: 2,715,358 73: 2,706,436 2,717,545 2,718,181 2,720,146 2,721,507 2,726,587 75: 2,711,121 2,714,845 76: 2,713,294 77.5: 2,726,588 81: 2,719,790 85: 2,698,562 2,699,103 86: 2,711,122 2,712,779 2,719,471 88: 2,699,393 2,699,394 2,699,994 2,701,766 2,725,294 2,725,295 2,704,721 2,705,201 2,705,676 2,706,157 2,706,687 2,707,681 2,709,135 2,709,136 2,710,256 2,710,257 2,712,996 2,719,791 2,725,298 2,728,669 89: 2,706,939 2,708,864 2,719,472 2,723,610 90.5: 2,716,931 2,719,473 94: 2,711,678 95: 2,725,806	97—	4: 2,725,807 6: 2,727,448 10: 2,716,932 12: 2,722,167 13: 2,723,611 15: 2,699,713 2,700,923 21: 2,706,437 22: 2,718,182 2,727,449 24.5: 2,707,906 26: 2,698,563 2,706,438 2,708,396 2,711,123 2,712,276 2,714,345 2,716,933 29: 2,711,124 31: 2,723,612 2,724,313 34: 2,728,283 35: 2,711,125 36: 2,713,816 2,720,823 40: 2,727,450 42: 2,699,714 2,725,006 43: 2,718,836 44: 2,706,439 46.01: 2,705,444 46.03: 2,721,508 46.07: 2,701,508 2,714,346 2,714,846 2,715,863 2,718,183 2,721,509 2,722,873 2,722,874 46.27: Re.24,006 2,701,509 2,701,993 46.31: 2,712,277 46.33: 2,723,613 46.35: 2,715,864 46.39: 2,713,295 46.43: 2,722,875 46.59: 2,700,330 2,720,147 2,725,808 46.63: 2,700,924 46.89: 2,727,451 46.95: 2,704,015 47.1: 2,704,016 2,704,017 2,713,296 2,718,184 47.13: 2,707,907 2,701,510 2,702,501 2,710,569 2,711,679 2,725,810 47.2: 2,725,809 47.22: 2,714,347 47.25: 2,704,496 47.28: 2,712,279 47.33: 2,705,445 47.41: 2,725,811 47.43: 2,727,452 47.5: 2,704,018 2,704,495 47.51: 2,713,297 47.53: 2,704,497 47.54: 2,713,298 47.55: 2,704,019 47.56: 2,720,824 47.62: 2,705,446 2,722,876 2,724,314 47.65: 2,707,424 2,726,589 47.66: 2,698,564 47.8: 2,712,278 47.83: 2,701,994 47.84: 2,712,780 2,712,781 47.85: 2,724,315 47.89: 2,704,020 2,707,425 2,722,877 52: 2,726,590 53: Re.24,018 2,727,453 54: 2,710,570 55: 2,711,680 56: 2,698,565 2,698,566 2,703,517 2,715,865 2,716,375 2,726,591 59: 2,724,316	61: 2,710,571 63: 2,717,546 67: 2,712,782 78: 2,701,995 2,703,518 125: 2,708,865 2,724,317 127: 2,706,940 144.1: 2,722,878 188: 2,712,783 2,713,817 2,718,185 189: 2,718,837 2,724,318 190: 2,707,908 192: 2,704,498 194: 2,720,148 197: 2,698,567 198: 2,712,280 198.1: 2,699,715 2,701,511 2,710,572 2,722,879 199: 2,707,909 2,719,474 200: 2,713,299 204: 2,704,499 2,716,934 2,716,935 2,726,592 205: 2,699,104 2,706,440 211: 2,712,784 212: 2,700,925 2,705,447 2,706,441 215: 2,708,866 2,712,785 216: 2,700,926 2,701,512 217: 2,701,996 2,704,970 2,705,448 2,725,812 226: 2,702,502 226.1: 2,703,044 227: 2,706,941 2,718,838 2,723,614 2,725,813 228: 2,699,716 2,725,814 230: 2,699,105 2,722,168 234: 2,704,021 235: 2,708,397 245: 2,701,513 98—	1.5: 2,698,568 2,701,514 2,723,615 2,725,007 2,700,927 2,709,953 2,715,866 2,718,839 2,719,475 2,720,149 2,728,284 10: 2,698,569 2,718,186 13: 2,711,126 18: 2,703,519 32: 2,706,442 2,708,868 33: 2,702,503 2,707,426 2,726,593 36: 2,709,954 37: 2,709,402 2,718,187 2,724,319 38: 2,711,681 2,718,840 2,720,150 2,720,151 2,722,169 2,723,616 2,724,320 2,727,454 2,727,455 39: 2,701,997 40: 2,698,570 2,701,998 2,704,971 2,706,942 2,708,869 2,711,127 2,712,786 2,713,300 2,715,867 2,720,152 2,722,880 2,727,456 41: 2,699,106
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98—	41: 2,702,504 2,722,881 42: 2,704,500 43: 2,710,573 2,711,682 46: 2,703,520 2,713,301 2,718,841 48: 2,711,683 49: 2,726,594 55: 2,704,501 2,705,909 2,720,825 56: 2,705,910 2,711,128 58: 2,701,999 2,714,847 59: 2,704,502 66: 2,717,547 68: 2,704,503 78: 2,704,972 87: 2,704,504 88: 2,701,515 94: 2,705,911 2,720,826 99.1: 2,706,443 99.8: 2,707,910 102: 2,712,281 106: 2,705,449 108: 2,719,476 2,724,321 114: 2,705,912 2,722,170 115: 2,702,505 2,704,505 2,704,973 2,710,574 2,714,848 2,715,359 116: 2,700,331 121: 2,703,045 2,726,595 99—	2: 2,700,611 2,702,245 2,703,285 2,708,627 2,708,628 2,712,997 2,715,067 2,716,063 2,717,207 2,718,467 2,723,198 2,724,648 3,726,155 3: 2,708,629 4: 2,717,208 2,717,209 6: 2,707,151 7: 2,708,163 2,708,630 2,717,835 2,717,836 8: 2,700,612 2,707,682 2,711,962 2,714,067 11: 2,712,499 2,716,064 2,717,210 14: 2,716,606 15: 2,708,631 20: 2,714,068 23: 2,704,722 27: 2,705,202 29: 2,712,998 48: 2,708,164 2,711,963 2,712,500 51: 2,726,957 54: 2,707,152 2,708,165 2,708,632 2,708,633 2,709,137 2,710,806 2,710,807 2,717,211 2,710,808 55: 2,719,792 56: 2,699,995 2,708,166 59: 2,719,793 65: 2,704,255 2,725,299 71: 2,712,501 77.1: 2,716,607 2,728,670 2,728,671 2,728,672 78: 2,704,256 2,728,673 80: 2,713,542 2,715,579 2,720,460	99—	80: 2,725,300 2,727,822 81: 2,701,200 2,702,246 82: 2,698,799 83: 2,707,153 85: 2,704,723 92: 2,710,809 2,726,156 93: 2,704,257 2,721,802 94: 2,715,580 96: 2,717,837 98: 2,710,258 102: 2,726,958 103: 2,701,201 104: 2,723,199 107: 2,711,373 109: 2,698,800 2,698,801 111: 2,726,157 2,701,202 2,701,204 2,709,656 2,712,999 2,717,212 2,727,823 117: 2,714,069 118: 2,721,803 2,726,158 2,728,674 119: Re.23.988 122: 2,728,675 123: 2,718,468 2,724,649 125: 2,712,502 128: 2,708,634 132: 2,701,767 2,703,757 2,703,758 2,703,759 134: 2,726,959 2,726,960 138: 2,698,802 2,721,141 139: 2,698,803 140: 2,713,000 2,722,482 142: 2,715,581 2,718,469 144: 2,704,258 2,715,068 147: 2,707,683 148: 2,701,768 150: 2,711,976 154: 2,700,613 2,702,247 2,710,259 2,715,582 2,728,676 156: 2,698,804 163: 2,699,395 2,701,203 2,701,769 2,701,770 2,704,724 2,706,158 2,707,154 2,721,804 2,726,159 166: 2,703,286 2,712,503 168: 2,703,760 169: 2,708,635 2,721,142 171: 2,703,287 2,709,657 2,713,001 2,713,543 2,713,544 2,723,200 174: 2,699,396 2,713,002 2,714,557 176: 2,704,259 2,709,138 2,723,201 179: 2,705,203 2,724,650 180: 2,728,677 186: 2,700,614 2,718,470 187: 2,705,677 192: 2,716,065 193: 2,702,248 194: 2,705,678 2,709,658 2,716,608 195: 2,724,651 199: 2,699,996 2,710,810 2,728,678 200: Re.24.080 204: 2,703,761 2,713,003	204: 2,723,202 205: 2,701,771 2,724,652 207: 2,704,260 2,705,679 2,707,684 211: 2,708,167 212: 2,712,504 214: 2,701,205 2,709,139 2,710,260 2,716,609 221: 2,708,636 2,714,070 222: 2,703,288 2,721,143 2,722,483 2,724,653 234: 2,716,066 2,718,842 235: 2,722,171 236: 2,711,964 2,716,936 2,725,815 238.1: 2,705,450 238.5: 2,713,302 238.6: 2,721,510 239: 2,719,477 249: 2,720,153 253: 2,713,818 256: 2,728,285 257: 2,699,717 275: 2,699,718 2,707,911 281: 2,708,398 282: 2,706,444 283: 2,704,506 2,725,008 289: 2,718,843 2,721,511 290: 2,707,427 298: 2,718,844 302: 2,715,868 303: 2,702,000 306: 2,716,937 310: 2,720,154 2,720,155 327: 2,724,322 329: 2,720,156 2,726,596 334: 2,707,428 336: 2,699,719 340: 2,711,684 341: 2,705,451 344: 2,716,376 346: 2,701,516 2,724,323 353: 2,720,157 355: 2,703,521 360: 2,717,548 2,719,478 364: 2,711,129 386: 2,718,188 2,728,286 387: 2,714,348 391: 2,706,445 2,708,870 2,719,479 401: 2,725,816 404: 2,709,955 2,715,869 405: 2,726,597 406: 2,716,377 408: 2,704,507 2,716,938 2,716,939 410: 2,711,685 419: 2,706,446 421: 2,710,575 2,715,870 2,718,845 2,720,158 2,722,172 2,722,882 422: 2,704,974 423: 2,708,871 426: 2,719,480 427: 2,705,913 428: 2,722,173 444: 2,720,827 2,723,617 447: 2,722,883 449: 2,703,046 2: 2,700,332 4: 2,701,517 2,713,303 2,720,159 11: 2,726,598 12: 2,707,429 2,707,430 21: 2,727,457 28: 2,705,914 37: 2,711,686 43: 2,704,508 2,708,872	100—	43: 2,711,687 2,718,189 2,724,324 47: 2,712,282 53: 2,723,618 72: 2,709,956 73: 2,714,349 88: 2,705,915 2,720,828 93: 2,701,518 95: 2,705,916 98: 2,705,452 2,713,819 2,720,160 2,724,325 2,724,326 99: 2,709,364 2,712,233 102: 2,720,161 113: 2,714,849 117: 2,709,957 121: 2,704,975 2,724,327 131: 2,715,871 142: 2,712,787 144: 2,709,958 153: 2,711,130 163: 2,704,022 2,708,399 166: 2,704,023 189: 2,725,009 2,727,458 192: 2,699,107 2,722,884 199: 2,727,459 211: 2,707,912 219: 2,728,287 226: 2,699,108 2,708,400 229: 2,700,333 231: 2,728,288 234: 2,699,109 2,708,401 2,711,688 269: 2,700,928 2,722,174 283: 2,703,522 295: 2,698,571 3: 2,705,917 2,706,447 2,706,448 6: 2,716,940 2,726,599 8: 2,703,047 9: 2,718,846 12: 2,720,829 19: 2,708,873 2,710,406 26: 2,699,110 35: 2,701,519 2,720,162 38: 2,716,378 40: 2,716,941 2,718,847 41: 2,701,520 2,725,817 2,726,600 42: 2,720,163 44: 2,703,523 2,723,619 47: 2,700,334 48: 2,722,175 52: 2,720,830 58: 2,704,509 2,704,976 2,712,788 66: 2,698,572 68: 2,720,831 69: 2,706,943 2,707,431 2,711,689 90: 2,703,048 91: 2,707,913 2,727,460 92: 2,715,360 2,716,379 93: 2,699,111 2,720,506 2,703,524 2,704,024 2,709,959 2,710,576 2,720,164 2,720,832 2,720,833 2,721,512 2,725,818 2,726,601 2,728,289 94: 2,724,328 95: 2,707,432 96: 2,714,850 107: 2,725,819 109: 2,698,573	101—	110: 2,708,402 2,708,403 111: 2,699,112 114: 2,700,929 117: 2,713,304 120: 2,698,574 123: 2,704,510 2,709,404 124: 2,702,001 2,710,577 126: 2,713,820 2,713,821 2,714,350 2,718,190 2,724,329 128.1: 2,704,025 128.2: 2,700,930 2,721,513 128.4: 2,699,113 129: 2,711,690 132: 2,707,433 2,717,549 2,722,885 132.5: 2,699,114 2,721,514 2,722,886 2,724,330 134.5: 2,704,511 2,708,404 136: 2,702,002 144: 2,716,942 147: 2,716,380 148: 2,703,525 2,708,874 2,721,515 149.1: 2,713,305 2,728,290 149.2: 2,713,822 2,719,481 157: 2,704,026 2,717,550 170: 2,711,132 174: 2,701,521 181: 2,723,620 183: 2,705,918 2,707,914 184: 2,714,351 186: 2,725,010 212: 2,714,352 2,715,361 216: 2,711,691 2,724,331 218: 2,727,461 227: 2,706,944 2,719,482 232: 2,699,115 2,703,526 2,720,165 2,728,291 234: 2,708,405 245: 2,719,483 247: 2,709,960 248: 2,713,306 253: 2,704,027 279: 2,700,931 285: 2,713,823 288: 2,701,522 2,705,453 2,708,406 2,722,887 297: 2,703,049 2,711,692 301: 2,700,932 2,705,454 318: 2,707,915 329: 2,714,851 336: 2,724,332 348: 2,699,116 2,703,050 2,715,362 349: 2,700,335 350: 2,707,434 353: 2,711,693 358: 2,722,176 363: 2,706,945 2,707,916 2,719,484 2,728,292 364: 2,701,523 2,718,848 367: 2,727,462 369: 2,710,407 372: 2,722,888 377: 2,723,621 378: 2,708,875 2,709,405 2,709,406 379: 2,718,849 394: 2,713,824 2,703,051 2,704,512 2,728,293 401.2: 2,706,946 401.3: 2,704,977	402: 2,711,131 407: 2,706,449 2,721,516 2,728,294 415.1: 2,704,028 2,706,947 2,708,407 2,712,789 2,714,852 2,727,463 416: 2,713,307 422: 2,700,933 425: 2,704,029 2,705,455 426: 2,715,363 3: 2,704,513 2,715,364 4: 2,709,961 5: 2,711,694 6: 2,703,527 7: 2,707,435 10: 2,705,919 13: 2,715,872 14: 2,706,948 16: 2,702,507 2,704,030 18: 2,702,003 2,703,052 20: 2,699,721 2,703,053 2,707,917 2,708,408 2,719,485 2,724,333 2,725,820 21: 2,707,436 2,708,876 21.8: 2,704,031 2,705,920 22: 2,720,166 2,720,834 2,725,821 23: 2,699,117 2,703,528 2,704,514 2,704,515 2,725,822 24: 2,698,575 2,706,949 2,707,437 2,709,407 25: 2,700,336 2,704,978 2,720,167 2,720,168 2,720,169 2,720,170 27: 2,704,032 2,707,438 2,707,439 2,708,409 2,715,365 28: 2,708,877 2,717,551 2,725,823 29: 2,726,602 38: 2,701,524 2,727,464 43: 2,703,529 45: 2,708,878 49: 2,700,337 2,701,525 2,704,033 2,712,283 2,718,191 2,721,517 2,721,518 2,726,603 2,728,295 52: 2,724,334 56: 2,717,552 65.2: 2,699,722 70: 2,712,790 2,713,825 2,720,835 70.2: 2,701,526 2,703,530 2,710,578 2,711,133 2,712,791 2,713,308 2,719,486 2,728,296 71: 2,715,873 72: 2,714,353 73: 2,703,531 75: 2,701,527 78: 2,705,921 2,709,962 79: 2,707,918 2,712,284 2,711,695 80: 2,700,934 81.2: 2,718,192 83: 2,699,118
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102—	83: 2,709,963	103—	96: 2,724,338	104—	48: 2,721,521	105—	369: 2,720,849	106—	179: 2,699,400	107—	9: 2,725,019	
	2,718,850		103: 2,698,583		88: 2,714,355		2,722,898		181: 2,700,616		2,725,828	
85.6:	2,725,011		106: 2,701,530		89: 2,724,342		2,723,631		2,718,471		2,728,307	
93:	2,715,874		108: 2,708,883		98: 2,704,037		2,725,826		182: 2,716,071	12:	2,699,736	
103—	1: 2,699,723		111: 2,698,584		104: 2,725,017		376: 2,725,827		186: 2,700,617		2,699,737	
	2,702,004		2,714,354		135: 2,715,371		406: 2,720,175		2,716,072		2,707,923	
	2,704,034		2,720,841		140: 2,700,937		409: 2,709,973		187: 2,703,291		2,707,924	
	2,704,979		112: 2,700,344		2,703,534		2,711,699		2,718,472		2,714,358	
	2,706,450		114: 2,707,920		148: 2,717,557		410: 2,706,454		188: 2,703,763		2,715,879	
	2,716,943		115: 2,701,531		150: 2,708,885		423: 2,722,899		189: 2,701,210		2,724,348	
2:	2,713,826		2,710,580		2,714,859		454: 2,728,305		2,702,250	14:	2,700,942	
	2,716,944		2,712,285		170: 2,708,886	106—	3: 2,716,610		2,710,811		2,700,943	
3:	2,702,508		117: Re.24,063		173: 2,704,038		8: 2,698,805		2,711,965		2,704,521	
	2,703,054		2,700,936		2,709,966		10: 2,715,069		2,716,615		2,705,927	
	2,708,879		2,708,413		197: 2,714,356		2,726,961		193: 2,699,401		2,712,291	
	2,723,622		2,711,136		205: 2,724,343		2,728,679		2,711,966		2,712,799	
4:	2,699,724		2,712,792		247: 2,718,194		13: 2,716,067		2,713,004		2,713,313	
	2,699,725		2,700,341		254: Re.24,030		2,716,068		2,719,090		2,724,349	
	2,699,726	120:	2,724,339		257: 2,714,860		2,726,962		2,725,301		2,725,829	
	2,713,309		2,724,340		279: 2,704,517		14: 2,701,206		197: 2,720,464		2,728,308	
	2,716,945		2,728,299		2,706,951		2,701,772		198: 2,701,211		2,702,011	
	2,720,171	124:	2,717,555	105—	3: 2,708,887		2,711,374		200: 2,707,686	19:	2,702,011	
	2,724,335	126:	2,699,122		20: 2,705,923		2,716,611		2,714,072	21:	2,712,800	
	2,727,465		2,701,532		29: 2,700,345		2,724,654		207: 2,714,073		2,714,861	
5:	2,698,576		2,702,509		31: 2,707,442		15: 2,698,806		208: 2,701,212	22:	2,724,350	
	2,698,577		2,706,452		35: 2,709,967		2,727,824		210: 2,720,465	27:	2,719,496	
	2,700,338		2,707,441		2,719,487		2,728,680		2,728,683	46:	2,699,127	
	2,705,456		2,714,856		36: 2,713,831		22: 2,727,825		212: 2,725,302	47:	2,716,950	
	2,708,880		2,728,300		62: 2,702,009		30: 2,720,461		213: Re.23,952		2,718,853	
	2,720,836		2,728,301		2,715,876		33: Re.24,094		2,702,755		2,720,176	
	2,726,604	128:	2,705,922		2,719,488		37: 2,710,401		214: 2,717,213	48:	2,714,862	
6:	2,699,727		2,714,857		2,719,489		2,710,402		217: 2,710,812	49:	2,700,348	
	2,700,935	130:	2,713,828		73: 2,721,522		2,710,403		2,725,303		2,701,534	
	2,705,457	133:	Re.23,992		2,722,897		2,710,404		218: 2,717,838	50:	2,721,524	
	2,707,919	135:	2,708,884		75: 2,709,968		2,712,505		228: 2,717,214		2,725,830	
	2,708,881	136:	2,705,459		90: 2,714,357		38.22: 2,726,160		229: 2,719,794	54:	2,699,738	
	2,709,964		2,710,581		99: 2,708,888		38.9: 2,701,207		239: 2,719,091		2,725,831	
25:	2,707,440		2,711,698		117: 2,706,952		39: 2,704,261		241: 2,722,485	55:	2,703,539	
	2,716,381		2,714,858		133: 2,699,732		2,705,204		243: 2,716,073		2,718,854	
	2,717,553		2,724,341		2,703,535		41: 2,702,748		263: 2,715,072	57:	2,704,040	
	2,720,837		2,725,013		2,724,344		42: 2,715,070		265: 2,709,682		2,709,412	
	2,724,336	138:	2,716,947		139: 2,725,018		2,715,071		270: 2,703,292		2,718,855	
27:	2,711,696	148:	2,712,793		153: 2,718,852		2,723,915		271: 2,698,808		2,724,351	
37:	2,711,697		2,717,556		159: 2,709,969		2,723,916		2,705,205	58:	2,704,041	
	2,714,853	150:	2,702,006		160.5: 2,707,443		46: 2,726,963		2,720,466		2,722,178	
	2,716,946		2,712,286		175: 2,720,846		2,726,964		272: 2,702,756	59:	2,718,200	
38:	2,698,578		2,703,055		183: 2,728,304		47: 2,701,208		273: 2,705,681		2,725,020	
	2,699,119	152:	2,707,921		187: 2,717,558		2,716,069		2,716,616	63:	2,707,925	
	2,699,728		2,723,624		188: 2,703,056		2,723,203		2,721,807	1:	2,699,128	
	2,706,950	154:	2,720,842		2,703,057		48: 2,726,965		277: 2,712,506		2,699,739	
	2,709,408	157:	2,702,510		2,705,924		50: 2,699,397		2,726,163		2,705,929	
	2,711,134	161:	2,698,585		190: 2,709,970		2,710,261		278: 2,701,213		2,710,584	
	2,711,135		2,702,007		2,710,582		52: 2,726,161		280: 2,708,170		2,722,901	
	2,722,889		2,712,794		2,713,832		53: 2,699,398		285: 2,708,639		2,726,608	
41:	2,727,466		2,716,948		2,717,559		2,699,399		2,717,839	7:	2,699,129	
	2,700,342		2,720,843		2,723,628		2,702,749		2,728,684		2,728,309	
	2,704,035	162:	Re.23,993		193: 2,720,847		54: 2,714,558		287: 2,711,967	9:	2,711,702	
	2,708,410		Re.24,048		2,723,629		56: 2,709,659		288: 2,713,005	16:	2,703,060	
	2,708,882		2,699,123		197: 2,702,512		58: 2,702,750		289: 2,727,826		2,711,138	
	2,713,310		2,713,312		2,704,039		2,720,462		293: 2,711,968	21:	2,725,832	
	2,714,854		2,721,519		2,705,925		59: 2,702,751		305: 2,700,618	23:	2,704,522	
	2,724,337		2,722,894		2,706,953		67: 2,702,752		2,723,917		2,709,975	
42:	2,728,297		2,702,008		2,709,971		70: 2,707,685		307: 2,719,092	26:	2,702,514	
	2,698,579	168:	2,713,829		2,712,288		83: 2,706,688		308: 2,713,006	28:	2,701,535	
	2,700,339	173:	2,715,875		2,712,796		84: 2,708,168		312: 2,702,757	30:	2,717,561	
	2,720,838		2,723,625		2,715,877		88: 2,702,753		1:	2,700,938	33:	2,717,562
	2,722,890	179:	2,702,511		2,719,490		93: 2,700,615	107—	2,700,939	1:	2,704,983	
44:	2,698,580	202:	2,711,137		2,720,172		2,703,289		2,703,058	11:	2,700,944	
	2,700,340		2,727,469		2,721,523		97: 2,721,805		2,703,536	19:	2,722,179	
	2,702,005	203:	2,701,533		2,723,630		2,728,681		2,705,462	29:	2,706,954	
	2,708,411	204:	2,698,586		2,724,345		2,721,806		2,705,463	46:	2,728,310	
	2,713,827		2,705,460		2,727,472		100: 2,709,661		2,708,414	1:	2,704,523	
46:	2,698,581		2,722,895		197.2: 2,700,346		105: 2,703,762		2,712,798		2,722,180	
	2,699,729		2,723,626		199: 2,699,733		106: 2,724,655		2,715,878	8:	2,698,587	
	2,720,839	205:	2,713,830		2,704,518		110: 2,715,583		2,718,198		2,701,536	
	2,720,840	207:	2,725,825		2,705,926		120: 2,701,209		2,719,493	11:	2,700,944	
	2,726,605		2,720,844		2,706,453		2,716,070		2,722,177	19:	2,722,179	
48:	2,699,120	219:	2,723,627		200: 2,700,454		2,724,656		2,722,900	29:	2,706,954	
	2,727,467	220:	2,722,896		206: 2,719,491		2,727,473		2,727,473	46:	2,728,310	
51:	2,708,412	221:	2,727,470		215: 2,718,197		122: 2,706,159		4:	2,702,010	1:	2,704,523
52:	2,698,582	223:	2,715,368		221: 2,709,411		123: 2,699,998		2,703,059		2,702,013	
	2,699,121	225:	2,727,471		222: 2,724,346		2,702,754		2,715,372		2,715,880	
	2,704,980		2,699,124		224: 2,720,848		2,714,071		2,717,560		2,715,881	
	2,714,855	228:	2,726,607		273: 2,699,126		2,728,682		2,707,922		2,716,386	
53:	2,705,458	231.5:	Re.24,015		280: 2,712,289		125: 2,726,162		6: 2,707,922		2,716,951	
	2,722,891	233:	2,699,730		2,720,173		126: 2,702,249		7: 2,704,519		2,719,497	
68:	2,715,366		2,703,532		282: 2,719,492		135: 2,703,290		2,704,520	21:	2,700,349	
72:	2,704,981		2,725,014		305: 2,712,290		2,708,169		2,708,889	28:	2,707,444	
80:	2,728,298	238:	2,712,795		308: 2,720,174		2,720,463		2,709,974		2,717,563	
87:	2,700,343	249:	2,728,303		315: 2,724,347		2,722,484		2,710,583	33:	2,704,984	
	2,701,528	260:	2,699,125		364: 2,699,734		146: 2,705,680		2,713,833	38:	2,701,537	
	2,701,529		2,725,015		366: 2,699,735		2,716,612		2,718,199	40:	2,699,130	
	2,709,965	262:	2,699,731		367: 2,712,797		148: 2,713,545		8: 2,700,347		2,708,890	
	2,710,579	271:	2,721,520		369: Re.24,032		157: 2,701,773		2,700,940		2,725,021	
	2,713,311	278:	2,720,845		Re.24,033		163: 2,706,160		2,700,941	56:	2,700,945	
	2,715,367	7:	2,725,016		2,702,513		2,708,637		2,703,537	97:	2,715,373	
	2,718,193	12:	2,712,287		2,705,461		2,716,613		2,703,538		2,728,312	
	2,722,892	13:	2,704									



110—	119: 2,720,851	112—	210: 2,704,986	114—	.5: 2,704,989	115—	34: 2,705,469	116—	129: 2,722,196	117—	50: 2,698,813
	165: 2,720,177		2,711,145		2,711,148		2,708,416		2,724,361		2,704,727
	171: 2,725,834		2,716,955		2,714,865		2,722,194		2,726,626		2,704,728
	173: 2,703,061		2,718,202		2,727,484		2,699,138		2,726,627		2,708,641
	176: 2,714,359		2,718,860		2,711,707		2,700,359		2,712,810		2,719,095
111—	3: 2,715,882		2,719,499	16: 2,720,856		2,714,866		2,704,866	130: 2,722,046	51: 2,718,474	
	2,725,022		2,720,853		2,727,485		2,706,461		2,723,643	52: 2,706,161	
	5: 2,722,181		2,723,635	20: 2,700,356		2,706,959		2,706,959	2,725,029	53: 2,702,762	
	7: 2,722,902		2,724,354		2,706,957		2,713,842		2,703,548		2,719,796
	7.1: 2,713,834		2,725,023		2,712,806		2,713,843		2,704,048		2,718,475
	2,718,856		2,706,457		2,722,188		2,716,960		2,707,932	54: 2,720,469	
	16: 2,708,891		2,723,636		2,716,957		2,706,960		2,725,030		2,724,658
	51: 2,701,538	214: 2,709,413		23: 2,716,957		2,717,570		2,723,641	137: 2,715,383		2,727,829
	52: 2,721,525		2,717,566	24: 2,725,841		2,723,641		2,706,961	2,715,384		2,727,830
	59: 2,728,313		2,726,614	25: 2,713,316		2,706,961		2,711,708	148: 2,702,521	55: 2,714,561	
	61: 2,713,835	215: 2,713,839		39: 2,724,356		2,711,708		2,717,571	2,713,319		2,721,145
	67: 2,723,632	216: 2,700,351		43.5: 2,704,043		2,705,470		2,698,593	149: 2,711,154	56: 2,715,078	
	69: 2,719,498	218: 2,699,745		46: 2,705,933		2,698,594	116—	2,698,595	152: 2,705,472	57: 2,726,169	
	80: 2,713,836		2,706,458		2,728,319		20: 2,698,593		174: 2,711,712	60: 2,700,620	
	87: 2,704,524		2,706,956	51: 2,715,379		2,698,595		2,698,596	3: 2,698,809		2,712,508
	91: 2,727,476		2,711,146	61: 2,712,293		2,698,595		2,698,596	3.6: 2,700,619		2,725,306
	99: 2,714,863		2,725,024	66.5: 2,703,063		2,722,195		2,702,195	4: 2,699,999	61: 2,699,404	
112—	1: 2,725,835	219: 2,702,016			2,704,529		22: 2,722,195		2,702,758		2,700,002
	2: 2,700,946		2,708,415		2,708,894		28: 2,706,462		2,711,969	62: 2,698,814	
	2,702,014	220: 2,718,861			2,709,979		31: 2,707,451		2,713,547		2,702,763
	2,714,360	225: 2,704,526			2,713,317		34: 2,704,045		2,711,970		2,704,262
	2,715,374		2,707,448		2,720,180			5: 2,711,970	5.1: 2,715,584		2,705,689
	2,716,952		2,727,479		2,722,189				2,726,164		2,708,642
	2,722,903	226: 2,698,589		67: 2,727,486		2,712,294			2,707,158		2,711,972
	2,724,352		2,706,459	72: 2,699,746		2,712,808			2,702,251		2,715,586
	2,725,836		2,722,904	74: 2,710,586		2,701,540			2,706,690		2,722,487
	2,727,477	227: 2,699,132			2,716,958		47: 2,714,867		2,717,215		2,727,831
	10: 2,700,947	230: 2,716,956			2,720,181				2,722,486	63: 2,699,405	
	11: 2,712,292	231: 2,728,315			2,720,182				2,724,657		2,699,406
	2,718,201	235: 2,706,460			2,721,529				2,721,808		2,702,254
	16: 2,703,540		2,712,803		2,724,357				2,719,505		2,715,587
	18: 2,707,445		2,717,567		2,725,027				2,719,506		2,728,687
	21: 2,703,541		2,718,203	75: 2,712,807		2,719,507			2,711,971	64: 2,699,407	
	2,711,703	241: 2,704,987		77: 2,715,380		2,721,531			2,719,795		2,700,621
	35: 2,723,633	242: 2,720,854		78: 2,720,857		2,721,531			2,705,683		2,701,215
	38: 2,726,610	248: 2,715,883		79: 2,724,358		2,699,747			2,705,684		2,703,293
	46: 2,705,464		2,718,204	86: 2,700,357		2,706,463			2,715,074		2,714,075
	47: 2,723,634	251: 2,712,804		102: 2,699,136		2,700,360			2,715,585		2,715,588
	51: 2,722,182		2,720,179	108: 2,727,487		2,721,532			2,725,304		2,716,074
	55: 2,720,852	252: 2,704,988		112: 2,711,149		2,705,936			2,719,093		2,716,618
	59: 2,702,015		2,705,466	126: 2,703,064		2,711,709			2,723,918		2,719,797
	2,707,926		2,707,927		2,705,934				2,726,165		2,721,811
	60: 2,700,350		2,712,805		2,720,183				2,726,166		2,725,307
	62: 2,716,387	253: 2,717,568		144: 2,719,502		2,703,361			2,698,810		2,725,308
	63: 2,726,611	254: 2,698,590			2,726,621		106: 2,703,545		2,719,094		2,726,170
	67: 2,704,525		2,725,840	153: 2,726,622		2,708,895			2,701,774		2,701,215
	2,721,526	256: 2,721,527		163: 2,710,587		2,712,295			2,723,204		2,703,293
	2,722,183		2,721,523	185: 2,713,840		2,716,389			2,728,685		2,714,075
	2,722,184		2,722,187	191: 2,707,450		2,703,546			2,715,074		2,715,588
	77: 2,700,948		2,727,480	201: 2,703,544		2,700,950			2,715,585		2,716,074
	2,702,515	258: 2,704,527			2,726,623				2,720,814		2,719,797
	2,705,930		2,709,978	203: 2,707,928		2,703,546			2,703,546		2,725,307
	2,717,565		2,723,637	206: 2,703,544		2,707,930			2,704,726		2,725,308
	79: 2,705,465		2,724,355		2,721,530				2,706,691		2,727,832
	2,707,446	260: 2,703,543		207: 2,703,544		2,707,687			2,707,687		2,700,623
	2,726,612		2,718,862		2,722,190				2,710,262		2,706,693
79.5: 2,728,314			2,723,638	208: 2,701,539		2,715,382			2,726,167		2,709,663
90: 2,709,976		261: 2,700,352			2,707,929				2,726,966		2,706,163
100: 2,699,742		262: 2,705,931			2,709,980				2,727,828		2,707,156
101: 2,725,837		12: 2,708,893			2,711,150				2,723,642		2,716,075
105: 2,713,837		17: 2,727,481			2,720,184				2,724,359		2,716,619
114: 2,726,613		24: 2,711,706			2,722,191				2,725,843		2,724,659
121: 2,718,857		34: 2,703,062			2,725,842				2,726,625		2,720,467
134: 2,704,985		35: 2,705,932			2,709,980				2,727,487		2,720,468
	2,706,455		2,714,864	209: 2,698,592		2,708,897			2,728,685		2,725,305
	2,711,140		2,728,316	210: 2,718,865		2,714,868			2,729,919		2,709,664
	2,711,141		2,713,314	219: 2,722,906		2,707,453			2,710,814		2,724,660
136: 2,715,375			2,719,500	221: 2,705,467		2,708,897			2,710,815		2,725,310
138: 2,724,353			2,722,905	222: 2,720,858		2,715,382			2,710,815		2,701,776
140: 2,699,743			2,728,317	235: 2,704,044		2,718,867			2,720,467		2,702,764
141: 2,712,801		45: 2,725,025			2,709,981				2,721,531		2,704,729
146: 2,720,178		59: 2,717,569			2,722,907				2,722,920		2,707,157
147: 2,711,142			2,720,855	239: 2,716,388		2,724,360			2,726,168		2,717,217
	2,715,376		2,725,026	240: 2,718,205		2,725,845			2,726,168		2,718,476
	2,725,838		2,726,615		2,722,192				2,707,688		2,719,798
	2,727,478		2,726,616	241: 2,716,959		2,699,748			2,716,617		2,721,812
151: 2,703,542			2,726,617	.5: 2,711,151		2,713,844			2,719,096		2,726,171
	2,714,361		2,726,618	1: 2,705,935		2,716,390			2,701,214		2,726,967
152: 2,699,744			2,726,619	5: 2,713,841		2,707,572			2,702,760		2,728,688
	2,706,456		2,726,620	16: 2,702,516		2,706,464			2,705,686		2,699,408
153: 2,711,704		97: 2,727,482		17: 2,711,152		2,713,845			2,714,560	81: 2,699,408	
158: 2,713,838		99: 2,699,133			2,718,206		124: 2,699,741		2,702,761	84: 2,707,689	
	2,716,953	101: 2,704,528			2,722,193				2,705,687	92: 2,710,264	
159: 2,722,185			2,718,863	18: 2,700,358		2,704,047			2,705,688		2,710,265
160: 2,711,705			2,700,949		2,702,517				2,707,931		2,721,146
162: 2,704,042			2,718,864		2,705,468				2,712,296	93: 2,718,477	
176: 2,699,131		110: 2,713,315			2,714,362				2,716,961		2,724,661
	2,716,954	111: 2,719,501			2,718,866				2,701,775		2,728,689
	2,725,839		2,720,180		2,719,503				2,708,171	94: 2,713,548	
178: 2,709,977			2,723,639		2,720,181				2,723,205		2,716,620
181: 2,718,858		113: 2,728,318			2,722,190				2,699,403		2,727,833
184: 2,707,447		116: 2,699,134			2,726,624				2,700,001	95: 2,726,172	
	2,708,892		2,700,354	19: 2,706,958		2,709,982			2,702,253		2,700,624
	2,712,802		2,707,449		2,709,982				2,715,075		2,717,218
193: 2,706,955		120: 2,700,355			2,726,624				2,715,076	98: 2,704,730	
199: 2,718,859			2,711,147	21: 2,726,624		2,703,547			2,715,077		2,705,206
200: 2,722,186			2,727,483	24:							



117— 102: 2, 715, 079 2, 717, 841 2, 723, 206 2, 723, 923 103: 2, 698, 816 2, 702, 255 2, 710, 266 2, 724, 662 104: 2, 700, 625 2, 707, 690 2, 707, 691 2, 721, 147 2, 721, 148 105: 2, 714, 563 106: 2, 701, 216 2, 726, 173 107: 2, 711, 973 2, 714, 564 2, 719, 097 2, 724, 663 111: 2, 726, 174 112: 2, 706, 694 2, 716, 076 113: 2, 701, 217 2, 704, 731 2, 713, 007 2, 726, 175 2, 728, 690 114: 2, 703, 766 2, 721, 149 2, 721, 813 115: 2, 702, 256 118: 2, 716, 077 121: 2, 710, 816 122: 2, 708, 192 2, 723, 207 123: 2, 726, 176 124: 2, 710, 267 2, 719, 098 126: 2, 701, 777 2, 710, 268 2, 712, 509 2, 717, 219 2, 717, 220 2, 720, 470 2, 722, 488 2, 722, 489 2, 723, 208 2, 723, 209 2, 723, 210 2, 723, 211 127: 2, 704, 264 2, 711, 974 2, 717, 221 128. 4: 2, 709, 140 129: 2, 711, 975 130: 2, 703, 295 2, 710, 817 2, 712, 510 2, 721, 814 2, 726, 968 2, 726, 969 131: 2, 715, 589 2, 727, 834 136: 2, 725, 311 137: 2, 723, 212 138: 2, 728, 691 138. 5: 2, 709, 665 2, 710, 269 2, 713, 008 138. 8: 2, 698, 817 2, 701, 218 2, 702, 257 2, 705, 690 2, 715, 590 2, 715, 591 2, 717, 842 2, 727, 835 139: 2, 707, 692 2, 711, 977 139. 4: 2, 709, 141 2, 724, 664 139. 5: 2, 699, 410 2, 714, 078 2, 715, 592 2, 718, 478 140: Re. 24, 003 Re. 24, 011 141: 2, 702, 258 2, 711, 376 2, 723, 213 2, 723, 924 2, 728, 692 2, 727, 836 144: 2, 708, 644 2, 721, 150 2, 721, 151 149: 2, 708, 640 152: 2, 711, 377 155: 2, 702, 765 2, 704, 732 2, 708, 645 2, 724, 665 156: 2, 717, 843 2, 721, 815	117— 157: 2, 727, 837 161: 2, 716, 621 2, 726, 177 164: 2, 711, 378 168: 2, 701, 219 2, 718, 479 200: 2, 722, 490 201: 2, 716, 622 211: 2, 702, 259 2, 703, 767 2, 704, 265 2, 710, 813 2, 717, 844 212: 2, 721, 152 2, 721, 153 2, 728, 693 213: 2, 698, 812 215: 2, 715, 593 216: 2, 717, 216 217: 2, 700, 626 2, 710, 270 218: 2, 725, 312 220: 2, 726, 178 223: 2, 715, 080 224: 2, 700, 000 226: 2, 721, 154 227: 2, 702, 252 2, 726, 179 229: 2, 720, 471 231: 2, 722, 491 232: 2, 708, 173 2, 722, 492 2, 722, 493 118— 1: 2, 700, 364 2: 2, 699, 749 2, 701, 542 2, 714, 870 2, 725, 846 3: 2, 725, 031 6: 2, 702, 522 7: 2, 700, 951 8: 2, 705, 473 2, 708, 898 9: 2, 714, 363 10: 2, 700, 952 11: 2, 708, 417 12: 2, 715, 385 18: 2, 700, 953 24: 2, 710, 588 30: 2, 723, 645 31: 2, 719, 508 33: 2, 700, 954 2, 712, 297 38: 2, 707, 933 47: 2, 726, 628 48: 2, 700, 365 2, 702, 523 49: 2, 702, 524 2, 704, 992 2, 728, 321 50: 2, 700, 366 51: 2, 703, 549 2, 706, 963 2, 706, 964 2, 710, 589 2, 711, 155 2, 722, 908 2, 723, 646 2, 725, 032 52: 2, 699, 750 53: 2, 701, 543 56: 2, 704, 993 58: 2, 722, 197 60: 2, 711, 156 64: 2, 701, 544 2, 713, 846 65: 2, 710, 590 67: 2, 700, 367 2, 703, 066 68: 2, 710, 591 69: 2, 724, 362 72: 2, 703, 550 101: 2, 704, 049 125: 2, 725, 847 202: 2, 726, 629 203: 2, 718, 870 215: 2, 709, 414 219: 2, 701, 545 221: 2, 722, 909 2, 723, 644 222: 2, 714, 364 224: 2, 704, 530 235: 2, 726, 630 239: 2, 720, 859 2, 725, 848 246: 2, 724, 363 249: 2, 714, 871 255: 2, 704, 994 2, 721, 534 260: 2, 725, 849 262: 2, 714, 365 263: 2, 724, 364 264: Re. 24, 029 2, 709, 415 267: 2, 699, 142	118— 301: 2, 721, 535 308: 2, 703, 551 309: 2, 718, 207 313: 2, 726, 631 316: 2, 700, 368 326: 2, 728, 322 401: 2, 717, 574 404: 2, 723, 647 407: 2, 725, 033 408: 2, 707, 934 410: 2, 714, 366 2, 726, 632 2, 727, 488 413: 2, 713, 320 2, 717, 575 415: 2, 700, 955 417: 2, 702, 018 2, 707, 935 420: 2, 702, 525 421: 2, 699, 143 426: 2, 701, 546 500: 2, 699, 144 2, 708, 899 2, 725, 034 503: 2, 698, 597 2, 725, 035 504: 2, 726, 633 505: 2, 716, 391 2, 726, 634 2, 728, 323 608: 2, 711, 713 612: 2, 703, 552 119— 1: 2, 704, 531 2, 708, 418 2, 712, 811 2, 713, 321 3: 2, 699, 751 2, 709, 984 5: 2, 711, 714 2, 713, 847 2, 727, 489 10: 2, 713, 322 14. 01: 2, 703, 067 2, 706, 965 14. 02: 2, 712, 298 14. 06: 2, 699, 145 2, 721, 536 14. 07: 2, 725, 850 14. 08: 2, 718, 208 14. 09: 2, 702, 019 14. 18: 2, 703, 068 2, 717, 576 14. 26: 2, 727, 490 14. 28: 2, 718, 871 14. 54: 2, 709, 416 2, 727, 491 14. 55: 2, 702, 526 15. 6: 2, 704, 050 17: 2, 708, 900 2, 713, 323 2, 725, 036 2, 725, 851 18: 2, 699, 752 2, 709, 985 2, 718, 872 19: Re. 24, 056 2, 722, 910 20: 2, 711, 715 22: 2, 700, 369 2, 701, 547 26: 2, 707, 936 2, 717, 577 2, 718, 209 2, 720, 188 2, 720, 860 27: 2, 714, 367 28: 2, 720, 861 29: 2, 698, 598 2, 707, 937 29. 5: 2, 718, 873 30: 2, 718, 210 31: 2, 700, 956 33: 2, 710, 592 37: Re. 23, 984 45: 2, 698, 599 2, 708, 419 2, 728, 324 48: 2, 708, 420 51: 2, 707, 454 2, 709, 986 2, 718, 211 2, 718, 874 2, 725, 852 2, 726, 635 51. 5: 2, 701, 548 2, 715, 386 52: 2, 699, 753 2, 699, 754 2, 701, 549 2, 703, 069 2, 704, 051 2, 704, 995 2, 705, 474 2, 705, 938 2, 708, 901	119— 52: 2, 709, 987 2, 715, 887 53: 2, 709, 417 2, 721, 537 54: 2, 699, 146 55: 2, 699, 755 56: 2, 698, 603 61: 2, 718, 875 2, 720, 862 62: 2, 709, 988 71: 2, 708, 421 2, 710, 593 2, 714, 368 72. 5: 2, 710, 594 2, 726, 636 73: 2, 709, 418 2, 728, 325 74: 2, 700, 370 2, 706, 966 2, 719, 509 2, 724, 365 75: 2, 702, 527 77: 2, 702, 528 81: 2, 723, 648 2, 727, 492 89: 2, 713, 324 91: 2, 721, 538 96: 2, 727, 493 97: 2, 703, 553 2, 713, 325 2, 718, 212 2, 718, 213 98: 2, 698, 601 2, 714, 872 2, 722, 911 99: 2, 703, 554 2, 713, 326 102: 2, 718, 214 103: 2, 700, 957 2, 705, 475 2, 708, 422 109: 2, 700, 958 2, 714, 873 121: 2, 706, 967 124: 2, 725, 853 125: 2, 713, 327 129: 2, 728, 326 130: 2, 722, 912 132: 2, 703, 555 2, 725, 037 153: 2, 704, 052 154: 2, 701, 550 155: 2, 715, 387 157: Re. 23, 986 2, 702, 020 2, 706, 465 2, 711, 721 2, 711, 722 120— 8: 2, 720, 189 13: 2, 708, 902 14. 5: 2, 703, 070 2, 704, 532 17: 2, 700, 959 18: 2, 700, 371 2, 700, 960 2, 720, 863 2, 722, 913 22: 2, 726, 637 24: 2, 716, 963 32: 2, 711, 716 41: 2, 700, 372 42: 2, 699, 147 42. 03: 2, 709, 989 2, 715, 888 2, 722, 914 2, 725, 038 42. 16: 2, 717, 578 2, 724, 366 42. 4: 2, 699, 148 2, 704, 533 2, 708, 903 2, 715, 388 45. 4: 2, 726, 638 50: 2, 702, 021 2, 712, 299 2, 713, 848 2, 724, 367 2, 726, 639 57: 2, 708, 904 89: 2, 708, 423 2, 713, 849 2, 716, 964 93: 2, 708, 905 96: 2, 702, 022 2, 709, 990 2, 714, 369 98: 2, 722, 915 103: 2, 709, 419 108: 2, 699, 149 2, 722, 916 121— 1: 2, 721, 539 2, 728, 327 3: 2, 703, 557 2, 722, 917	121— 7: 2, 700, 373 2, 726, 640 9: 2, 701, 551 10: 2, 721, 540 2, 725, 854 2, 728, 328 15: 2, 714, 370 2, 725, 039 17: 2, 716, 392 2, 722, 918 32: 2, 716, 393 34: 2, 715, 889 38: 2, 698, 602 2, 698, 603 2, 698, 604 2, 699, 150 2, 699, 756 2, 699, 757 2, 703, 558 2, 704, 996 2, 706, 968 2, 708, 906 2, 708, 907 2, 708, 908 2, 709, 420 2, 710, 595 2, 712, 300 2, 713, 850 2, 714, 371 2, 714, 874 2, 716, 965 2, 718, 876 2, 719, 510 2, 720, 190 2, 720, 864 2, 720, 865 2, 720, 866 2, 724, 368 2, 725, 040 2, 726, 641 40: 2, 698, 605 2, 698, 606 2, 701, 552 2, 702, 024 2, 705, 939 2, 711, 157 2, 713, 328 2, 716, 966 41: Re. 24, 002 2, 705, 940 2, 706, 466 2, 707, 455 2, 709, 421 2, 710, 696 2, 711, 158 2, 716, 394 2, 717, 579 2, 718, 877 2, 719, 511 2, 722, 198 2, 722, 199 42: Re. 23, 994 2, 715, 890 2, 715, 891 2, 715, 892 43: 2, 703, 071 2, 707, 938 45: 2, 704, 997 2, 706, 467 2, 710, 597 2, 715, 389 2, 716, 395 46: 2, 710, 598 46. 5: 2, 700, 374 2, 702, 529 2, 707, 939 2, 708, 909 2, 711, 717 48: 2, 702, 023 2, 718, 878 50: 2, 714, 875 53: 2, 702, 530 2, 721, 541 57: 2, 714, 372 59: 2, 712, 301 2, 718, 879 69. 5: 2, 708, 910 82: 2, 719, 512 83: 2, 724, 369 87: 2, 714, 876 93: 2, 699, 151 2, 720, 191 97: 2, 698, 607 99: 2, 708, 911 120: 2, 709, 422 2, 713, 851 122: 2, 700, 961 2, 718, 880 2, 699, 152 123: 2, 713, 329 134: 2, 707, 456 150: 2, 704, 053 2, 707, 940 2, 708, 912 2, 710, 599	121— 150: 2, 726, 642 2, 727, 494 152: 2, 699, 153 154: 2, 706, 969 157: 2, 699, 154 2, 712, 302 2, 722, 919 2, 723, 649 164: 2, 698, 608 2, 704, 054 2, 704, 998 2, 707, 941 2, 722, 200 166: 2, 702, 025 2, 720, 867 194: 2, 698, 609 2, 700, 962 2, 701, 553 2, 712, 812 2, 713, 852 122— 1: 2, 699, 758 2, 702, 026 2, 707, 457 2, 707, 458 2, 708, 913 2, 713, 330 2, 714, 877 2, 715, 893 4: 2, 709, 423 6: 2, 700, 375 2, 703, 559 2, 705, 476 2, 725, 041 6. 5: 2, 704, 999 6. 6: 2, 705, 000 13: 2, 708, 914 19: 2, 701, 554 24: 2, 715, 390 33: 2, 703, 072 2, 717, 580 2, 726, 643 34: 2, 718, 215 52: 2, 707, 942 104: 2, 718, 881 109: 2, 708, 915 185: 2, 727, 495 215: 2, 726, 644 233: 2, 713, 331 235: 2, 709, 424 2, 714, 878 2, 718, 216 2, 723, 650 2, 725, 042 238: 2, 713, 853 250: 2, 718, 217 268: 2, 709, 991 274: 2, 699, 155 319: 2, 712, 303 333: 2, 723, 651 360: 2, 703, 073 379: 2, 726, 645 406: 2, 724, 370 407: 2, 704, 534 421: 2, 699, 759 448: 2, 700, 353 2, 717, 581 2, 718, 218 2, 720, 868 2, 728, 329 451: 2, 707, 459 2, 722, 920 451. 2: 2, 699, 760 478: 2, 699, 761 479: 2, 702, 531 480: 2, 699, 762 491: 2, 700, 376 497: 2, 720, 192 498: 2, 705, 477 499: 2, 716, 967 2, 725, 855 504: 2, 703, 074 510: 2, 698, 610 2, 716, 968 123— 1: 2, 720, 869 2, 725, 856 2, 725, 857 2, 727, 496 7: 2, 727, 497 13: 2, 715, 391 2, 719, 513 2, 722, 201 16: 2, 728, 330 25: 2, 702, 027 2, 704, 535 2, 708, 424 2, 715, 392 2, 715, 894 2, 723, 652 2, 725, 858 27: 2, 708, 916 32: 2, 699, 763 2, 707, 943 2, 709, 992 2, 711, 159 2, 711, 160
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123— 32: 2,717,582 2,718,882 2,718,883 2,719,514 2,720,870 2,722,921 2,724,371 2,727,498 33: 2,700,963 2,710,600 41: 2,715,393 41.01: 2,715,394 41.11: 2,706,468 41.14: 2,712,813 41.16: 2,716,969 41.17: 2,702,532 41.19: 2,725,044 41.28: 2,713,332 41.31: 2,714,373 2,716,396 41.33: 2,706,469 41.36: 2,720,193 41.38: 2,720,871 2,728,331 41.4: 2,725,043 41.44: 2,720,194 41.49: 2,703,075 41.6: 2,699,764 41.61: 2,710,601 41.64: 2,718,884 41.65: 2,700,377 2,702,533 41.69: 2,725,045 41.73: 2,716,970 41.74: 2,722,922 41.76: 2,710,602 41.77: 2,700,964 2,707,944 41.82: 2,722,202 41.84: 2,721,542 41.86: 2,702,534 2,707,460 44: 2,707,461 46: 2,701,555 2,711,719 2,716,971 48: 2,712,304 2,728,332 51: 2,699,156 2,705,478 52: 2,704,055 2,713,333 2,722,203 2,725,859 53: 2,706,970 55: 2,722,923 56: 2,705,479 2,725,860 59: 2,714,374 2,722,924 2,727,499 2,728,333 65: 2,699,765 2,700,378 2,704,056 2,705,480 2,705,481 2,706,470 2,706,971 2,714,879 2,720,195 2,720,872 2,724,372 2,726,646 73: 2,706,972 2,708,425 2,713,854 75: 2,717,583 76: 2,698,611 79: 2,705,001 2,720,873 90: Re.24,035 2,700,965 2,700,966 2,703,076 2,704,057 2,705,482 2,705,483 2,706,471 2,706,973 2,706,974 2,707,462 2,707,945 2,708,917 2,710,603 2,711,161 2,713,334 2,713,855 2,713,856 2,714,375 2,716,972 2,718,219 2,719,515 2,720,874 2,721,543	123— 90: 2,722,204 2,722,925 2,724,373 2,724,374 2,727,500 92: 2,719,516 97: 2,724,375 98: 2,709,993 102: 2,712,814 2,713,335 2,725,046 103: 2,706,975 2,708,426 2,708,427 2,714,880 2,719,517 2,722,205 2,722,926 2,727,501 108: 2,716,397 117: 2,697,612 2,702,028 2,708,918 2,711,162 118: 2,726,647 119: 2,698,613 2,699,157 2,700,967 2,701,556 2,702,535 2,702,536 2,703,560 2,703,561 2,704,058 2,705,484 2,705,941 2,706,472 2,706,976 2,708,919 2,708,920 2,710,604 2,711,720 2,714,881 2,715,395 2,716,398 2,717,584 2,717,585 2,720,196 2,722,927 2,725,861 2,726,648 120: 2,719,518 2,723,653 122: 2,713,857 2,716,399 2,717,586 2,719,519 2,719,520 2,720,197 2,725,047 2,725,862 2,727,502 123: 2,724,376 127: 2,705,942 2,722,206 2,722,207 133: 2,710,605 2,711,718 136: 2,722,208 139: 2,703,562 2,703,563 2,713,858 140: 2,698,614 2,699,766 2,702,029 2,708,921 2,717,587 2,725,863 2,727,503 2,727,504 141: 2,701,557 142.5: 2,712,815 2,716,400 2,721,544 145: 2,722,928 146.5: 2,721,890 148: 2,717,916 2,728,807 169: 2,699,158 2,702,537 2,717,589 179: 2,705,485 2,707,463 2,710,606 2,711,724 2,715,396 2,723,654 2,725,864 182: 2,699,159 185: 2,700,968 2,709,994 2,722,209 2,723,655 187.5: 2,704,536 2,706,977	123—187.5: 2,708,922 2,709,425 188: 2,698,615 2,705,486 2,716,401 2,718,220 190: 2,714,882 191: 2,699,160 2,700,969 2,705,943 2,708,428 2,711,723 2,712,816 2,718,221 2,725,865 193: 2,703,077 2,712,305 195: 2,705,002 2,714,376 2,720,198 2,724,377 2,725,866 196: 2,708,923 2,713,336 2,721,545 2,722,210 198: 2,699,161 2,705,944 2,709,995 2,711,725 2,714,883 2,719,521 2,724,378 2,725,867 124— 1: 2,705,945 2,716,973 2: 2,708,429 6: 2,711,726 7: 2,700,379 8: 2,711,163 10: 2,711,164 11: 2,699,767 2,723,656 2,725,048 13: 2,725,868 14: 2,708,430 2,710,607 2,725,869 16: 2,705,003 2,722,211 17: 2,708,924 20: 2,715,895 21: 2,709,426 22: 2,708,431 24: 2,713,337 2,714,377 25: 2,714,884 26: 2,726,649 27: 2,713,338 29: 2,699,768 2,701,558 41: 2,725,870 45: 2,713,859 7: 2,724,379 11: 2,705,004 2,705,487 2,705,946 2,708,432 2,708,433 2,712,817 2,715,397 2,715,896 2,720,875 2,722,212 2,725,049 2,725,050 2,725,871 2,726,650 13: 2,712,306 2,716,402 2,726,651 2,726,652 14: 2,705,005 2,724,380 15: 2,713,339 16: 2,712,307 2,720,199 2,720,200 18: 2,718,222 21: 2,702,538 23: 2,710,608 2,713,860 2,723,657 2,716,403 33: 2,704,059 37: 2,704,060 39: 2,716,404 303: 2,704,061 126— 1: 2,705,947 25: 2,708,925 2,709,996 2,723,658 2,727,505 2,728,334 29: 2,715,897	126— 36: 2,713,861 38: 2,728,335 39: 2,712,818 42: 2,726,653 44: 2,708,434 62: 2,725,872 73: 2,715,398 85: 2,720,201 90: 2,704,537 91: 2,700,380 2,700,970 2,708,926 93: 2,716,405 2,721,546 96: 2,717,590 99: 2,704,062 109: 2,716,974 2,725,873 110: 2,699,769 2,702,539 2,703,564 2,714,378 2,715,399 2,716,975 2,717,591 2,720,876 2,722,213 2,725,051 2,727,506 113: 2,708,435 2,709,427 2,709,428 2,709,429 116: 2,703,565 2,709,997 2,716,976 2,726,654 120: 2,703,566 121: 2,702,030 2,703,567 2,705,488 2,707,464 2,725,874 140: 2,707,946 176: 2,703,568 191: 2,721,547 2,725,052 2,727,507 208: 2,715,400 211: 2,699,162 214: 2,703,078 2,704,063 215: 2,713,862 229: 2,712,819 2,726,655 261: 2,722,214 271: 2,705,948 271.2: 2,706,978 2,709,998 2,725,875 273: 2,715,898 280: 2,721,548 285: 2,718,885 307: 2,703,569 2,704,538 2,709,999 343.5: 2,728,336 348: 2,720,877 350: 2,711,727 360: 2,698,616 2,716,977 2,723,659 362: 2,718,223 378: 2,708,436 391: 2,712,308 7: 2,713,009 13: 2,728,694 29: 2,708,174 34: 2,725,313 36: 2,727,838 38: 2,698,818 128— 1: 2,700,381 2,703,570 2,705,489 2,706,473 2,708,927 2,711,165 2,723,660 2,727,508 1.4: 2,706,979 2: 2,701,559 2,704,539 2,705,949 2,710,000 2,715,899 2,716,978 2,728,337 2.05: 2,704,065 2,708,928 2,710,001 2,711,728 2,714,379 2,724,381 2.06: 2,714,380 2,718,224	128— 2.07: 2,701,560 2,703,079 2,704,540 2,707,947 2,709,430 2.1: 2,704,064 2,712,309 2,716,979 4: 2,704,541 6: 2,699,770 2,701,561 2,705,490 7: 2,708,437 15: 2,723,661 17: 2,717,592 20: 2,701,562 2,702,540 21: 2,710,609 24.1: 2,698,617 2,699,771 2,709,431 25: 2,703,080 28: 2,711,729 29: 2,699,163 30: 2,707,948 2,718,225 33: 2,699,772 2,700,382 2,702,541 2,715,900 2,715,901 2,717,593 2,718,226 2,722,929 36: 2,703,571 2,707,949 37: 2,703,081 38: 2,728,338 44: 2,706,980 2,716,980 46: 2,707,465 57: 2,699,164 2,717,594 60: 2,699,165 61: 2,714,381 65: 2,706,474 66: 2,699,773 2,701,563 2,727,509 67: 2,709,432 2,711,731 2,723,662 69: 2,727,510 75: 2,701,564 2,707,950 2,712,820 2,714,885 2,723,663 76: 2,704,066 2,728,339 76.5: 2,706,981 2,718,227 78: 2,702,031 2,723,664 80: 2,702,542 2,705,491 2,708,930 2,711,166 2,712,310 2,720,878 81: 2,724,382 83: 2,711,167 2,716,406 2,725,053 84: 2,706,475 2,717,595 2,718,886 87: 2,700,383 2,706,982 89: 2,711,168 90: 2,704,067 92: 2,699,774 2,702,543 2,718,228 2,719,522 96: 2,713,340 98: 2,712,821 2,721,549 101: 2,720,202 102: 2,710,002 106: 2,705,950 127: 2,704,068 2,714,886 132: 2,703,574 2,705,951 2,706,476 2,715,902 133: 2,703,082 2,704,069 134: 2,706,477 136: 2,702,032 2,705,006 2,705,492 2,706,478 2,707,951	128— 136: 2,708,931 138: 2,698,618 141: 2,711,169 142: 2,722,930 2,725,876 2,728,340 144: 2,703,572 146: 2,706,983 2,708,932 148: 2,715,401 151: 2,727,511 152: 2,717,596 2,719,523 153: 2,712,311 155: 2,716,407 156: 2,702,544 2,703,083 2,703,573 2,712,312 2,721,550 157: 2,712,313 2,715,903 158: 2,700,971 2,707,952 159: 2,702,545 163: 2,705,952 2,716,981 2,725,054 164: 2,711,730 167: 2,704,070 173: 2,699,166 2,704,542 2,704,543 2,705,953 2,714,887 2,717,597 2,722,931 188: 2,720,203 191: 2,702,546 2,710,003 191.1: 2,699,775 198: 2,715,904 200: 2,705,007 201: 2,702,033 202: 2,705,954 203: 2,711,170 204: 2,700,384 208: 2,721,551 214: 2,699,776 2,701,565 2,702,034 2,702,035 2,702,036 2,703,084 2,704,544 2,705,493 2,705,955 2,707,953 2,710,004 2,712,822 2,715,402 2,715,905 2,716,982 2,720,879 2,722,932 2,723,665 2,725,055 2,725,056 2,727,512 2,727,513 215: 2,699,777 2,700,385 2,700,386 2,704,071 2,711,732 2,714,888 2,724,383 216: 2,699,167 2,717,598 2,724,384 2,726,656 218: 2,699,168 2,701,566 2,702,547 2,703,575 2,704,072 2,704,073 2,705,008 2,705,494 2,706,479 2,706,480 2,706,984 2,707,466 2,707,954 2,709,433 2,711,171 2,720,880 2,722,215 2,725,057 2,725,877 2,727,514 2,728,341 220: 2,708,438
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128— 221: 2, 702, 037 2, 704, 074 2, 711, 733 2, 716, 983 2, 717, 599 2, 717, 600 2, 725, 058 2, 728, 342 225: 2, 716, 984 227: 2, 710, 005 229: 2, 705, 495 2, 707, 467 231: 2, 707, 468 2, 722, 933 233: 2, 707, 469 2, 722, 216 235: 2, 702, 548 251: 2, 710, 006 252: 2, 699, 169 2, 699, 778 2, 707, 470 2, 709, 434 2, 722, 217 253: 2, 706, 481 2, 718, 887 260: 2, 709, 435 261: 2, 705, 496 2, 709, 436 2, 711, 172 2, 712, 315 2, 720, 881 2, 722, 218 2, 724, 385 263: 2, 710, 007 2, 711, 173 264: 2, 722, 934 266: 2, 722, 935 268: 2, 699, 779 2, 714, 382 269: 2, 705, 009 2, 727, 515 272: 2, 698, 619 2, 699, 780 2, 700, 972 2, 704, 075 2, 705, 956 2, 717, 601 2, 721, 552 275: 2, 717, 602 276: 2, 700, 973 2, 711, 734 2, 727, 516 2, 727, 517 278: 2, 702, 549 2, 707, 955 283: 2, 703, 576 2, 706, 985 2, 721, 553 284: 2, 701, 567 2, 703, 577 2, 705, 010 2, 711, 735 2, 718, 888 285: 2, 706, 986 286: 2, 700, 974 2, 711, 736 2, 713, 341 287: 2, 698, 620 2, 699, 170 2, 714, 889 288: 2, 705, 957 2, 709, 437 289: 2, 703, 085 290: 2, 705, 497 2, 705, 498 2, 721, 554 291: Re.24,001 2, 699, 171 294: 2, 711, 737 295: 2, 699, 781 2, 699, 782 296: 2, 716, 408 303: 2, 700, 387 2, 703, 086 2, 712, 823 303.1: Re.23,953 303.14: 2, 708, 933 303.18: 2, 700, 975 305: 2, 699, 783 2, 714, 890 2, 721, 555 2, 722, 219 2, 725, 878 314: 2, 706, 482 2, 711, 738 317: 2, 698, 621 2, 702, 550 321: 2, 723, 666 2, 726, 657 327: 2, 702, 551 2, 715, 403 330: 2, 713, 863 333: 2, 699, 784 334: 2, 722, 220 335: 2, 711, 739	128— 339: 2, 728, 343 340: 2, 706, 987 341: 2, 707, 471 2, 707, 956 346: 2, 705, 958 348: 2, 704, 076 2, 707, 957 349: 2, 707, 958 2, 711, 740 351: 2, 705, 959 352: 2, 703, 578 359: 2, 703, 087 2, 705, 011 360: 2, 699, 785 2, 717, 603 361: 2, 702, 038 2, 709, 438 375: 2, 702, 552 400: 2, 717, 604 2, 726, 658 402: 2, 706, 988 403: 2, 710, 008 406: 2, 710, 610 422: 2, 698, 622 129— 1: 2, 704, 077 2, 704, 545 2, 704, 546 2, 708, 934 2, 713, 342 2, 716, 985 2, 720, 204 8: 2, 716, 409 2, 726, 659 9: 2, 706, 483 13: 2, 724, 386 16: 2, 711, 741 2, 722, 936 2, 725, 879 16.7: 2, 725, 880 16.8: 2, 708, 439 17: 2, 717, 605 18: 2, 716, 410 2, 718, 229 20: 2, 721, 556 24: Re.23,967 2, 709, 439 2, 715, 906 2, 724, 387 2, 726, 660 25: 2, 725, 881 26: 2, 726, 661 28: 2, 702, 553 31: 2, 725, 059 38: 2, 709, 440 130— 5: 2, 701, 568 2, 704, 078 2, 705, 960 2, 708, 935 2, 721, 557 6: 2, 700, 388 9: 2, 717, 606 22: 2, 700, 976 24: 2, 713, 343 25: 2, 711, 174 26: 2, 719, 524 27: 2, 705, 961 30: 2, 699, 172 2, 711, 742 2, 715, 404 2, 726, 662 2, 726, 663 2, 728, 344 31: 2, 723, 667 2, 723, 668 2, 723, 669 2, 705, 012 131— 1: 2, 728, 345 4: 2, 718, 889 7: 2, 721, 558 2, 724, 388 9: 2, 716, 411 10: 2, 703, 088 2, 707, 959 2, 707, 960 2, 728, 346 15: 2, 707, 472 17: 2, 706, 695 2, 708, 175 21: 2, 704, 079 2, 724, 389 61: 2, 703, 089 2, 708, 440 2, 711, 175 2, 719, 525 66: 2, 716, 412 70: 2, 699, 787 2, 699, 788 2, 714, 383 75: 2, 712, 824 81: 2, 706, 989 88: 2, 716, 986 94: 2, 714, 384 96: 2, 701, 569 108: 2, 718, 890 109: 2, 727, 518	131— 125: 2, 718, 230 138: 2, 704, 080 140: 2, 708, 441 2, 714, 385 146: 2, 701, 570 149: 2, 718, 891 171: 2, 708, 442 172: 2, 710, 009 175: 2, 701, 571 2, 703, 090 2, 706, 484 2, 711, 176 2, 711, 743 2, 717, 607 179: 2, 722, 937 182: 2, 712, 316 2, 716, 413 2, 727, 519 183: 2, 708, 936 186: 2, 709, 441 187: 2, 705, 013 2, 721, 559 193: 2, 702, 039 194: Re.23,924 2, 711, 177 2, 720, 205 2, 722, 938 195: 2, 727, 520 196: 2, 718, 892 205: 2, 725, 882 217: 2, 704, 081 228: 2, 725, 883 232: 2, 725, 884 235: 2, 703, 091 2, 707, 473 2, 710, 611 2, 716, 414 236: 2, 726, 664 237: 2, 705, 962 2, 708, 937 2, 716, 987 238: 2, 703, 092 240: 2, 702, 040 2, 708, 938 242: 2, 716, 988 247: 2, 719, 526 256: 2, 708, 939 2, 722, 939 2, 727, 521 259: 2, 726, 665 132— 1: 2, 710, 612 2, 722, 221 2, 723, 670 7: 2, 708, 940 2, 722, 222 2, 723, 671 9: 2, 709, 442 2, 714, 891 2, 725, 060 32: 2, 712, 317 33: 2, 702, 554 2, 708, 941 2, 719, 527 34: 2, 698, 623 40: 2, 713, 864 2, 720, 882 41: 2, 715, 907 2, 720, 206 42: 2, 721, 560 43: 2, 720, 207 45: 2, 708, 942 2, 718, 231 2, 722, 223 2, 722, 940 2, 727, 522 46: 2, 700, 977 2, 725, 885 48: 2, 699, 789 49: 2, 720, 883 50: 2, 699, 790 55: 2, 728, 347 2, 728, 348 59: 2, 711, 744 60: 2, 711, 745 64: 2, 718, 893 73: 2, 710, 613 2, 711, 746 75.8: 2, 723, 672 76.4: 2, 699, 791 2, 711, 747 79: 2, 710, 614 2, 721, 561 2, 725, 061 81: 2, 702, 041 83: 2, 712, 318 2, 720, 208 2, 720, 884 88.5: 2, 709, 443 2, 722, 224 91: 2, 702, 555 2, 702, 556 92: 2, 707, 782 2, 724, 390 109: 2, 705, 499 111: 2, 699, 173	132— 120: 2, 701, 572 129: 2, 712, 319 133: 2, 718, 894 147: 2, 705, 963 148: 2, 725, 886 4: 2, 724, 391 5: 2, 705, 964 2, 708, 443 2, 719, 528 8: 2, 720, 209 1: 2, 702, 260 2, 724, 666 2: 2, 713, 010 2, 717, 845 2, 718, 480 3: 2, 705, 500 2, 723, 925 2, 724, 667 2, 726, 970 6: 2, 709, 666 7: 2, 701, 220 9: 2, 709, 142 10: 2, 711, 978 13: 2, 700, 004 2, 709, 143 2, 720, 472 2, 725, 314 15: 2, 702, 766 2, 713, 011 18: 2, 710, 818 20: 2, 704, 733 22: 2, 700, 005 2, 702, 767 2, 704, 266 2, 714, 079 2, 714, 565 2, 715, 594 2, 726, 180 23: 2, 710, 819 24: 2, 714, 080 25: 2, 718, 481 26: 2, 705, 207 42: 2, 699, 411 46: 2, 708, 444 2, 724, 392 49: 2, 701, 573 2, 705, 965 52: 2, 702, 557 56: 2, 699, 792 2, 702, 042 2, 706, 485 2, 711, 178 2, 713, 344 57: 2, 701, 574 2, 710, 010 58: 2, 703, 579 2, 703, 580 2, 707, 961 2, 709, 444 2, 710, 615 2, 713, 345 2, 713, 865 2, 722, 225 2, 724, 393 2, 726, 666 60: 2, 721, 562 61: 2, 721, 563 62: 2, 698, 624 2, 708, 943 63: 2, 698, 625 64: 2, 708, 445 66: 2, 716, 989 68: 2, 712, 825 72: 2, 714, 892 2, 721, 564 76: 2, 716, 415 77: Re.24,072 81: 2, 717, 608 82: 2, 715, 405 83: 2, 716, 416 2, 718, 895 2, 722, 226 86: 2, 701, 575 93: 2, 698, 626 2, 708, 446 2, 714, 893 94: 2, 715, 406 2, 720, 210 2, 725, 062 95: 2, 704, 082 2, 706, 990 2, 713, 866 2, 721, 565 99: 2, 715, 407 2, 722, 227 101: 2, 721, 566 102: 2, 707, 474 2, 716, 238 2, 726, 667 105: 2, 724, 394 107: 2, 713, 346 111: 2, 698, 627 2, 715, 408 112: 2, 698, 628 115: 2, 713, 347	134— 123: 2, 712, 320 125: 2, 706, 991 133: 2, 703, 581 137: 2, 713, 867 138: 2, 702, 558 139: 2, 710, 011 2, 712, 826 140: 2, 706, 992 2, 715, 409 141: 2, 722, 941 142: 2, 725, 063 143: 2, 699, 793 144: 2, 719, 529 2, 725, 064 149: 2, 711, 748 155: 2, 716, 990 157: 2, 708, 447 2, 725, 065 158: 2, 721, 567 164: 2, 721, 568 167: 2, 710, 616 168: 2, 708, 448 172: 2, 703, 093 2, 713, 868 174: 2, 707, 475 182: 2, 715, 410 2, 716, 991 183: 2, 704, 083 2, 704, 084 2, 710, 617 186: 2, 700, 978 2, 711, 179 188: 2, 710, 618 200: 2, 706, 486 135— 1: 2, 705, 966 2, 724, 395 3: 2, 711, 180 2, 716, 992 4: 2, 710, 012 2, 711, 181 2, 716, 993 2, 723, 673 2, 723, 674 5: 2, 698, 629 2, 700, 389 2, 714, 386 2, 720, 885 2, 725, 887 5.1: 2, 699, 794 6: 2, 714, 387 7.1: 2, 706, 993 16: 2, 726, 668 19.5: 2, 710, 013 20: 2, 700, 390 2, 707, 476 2, 716, 417 2, 720, 886 2, 721, 569 2, 725, 066 22: 2, 705, 967 25: 2, 711, 182 26: 2, 700, 391 2, 710, 619 28: 2, 722, 228 33: 2, 716, 994 36: 2, 705, 014 38: 2, 725, 888 40: 2, 705, 968 2, 717, 609 45: 2, 705, 015 46: 2, 724, 396 49: 2, 707, 477 50: 2, 700, 979 2, 707, 962 2, 711, 183 52: 2, 707, 478 57: 2, 703, 094 63: 2, 707, 963 136— 4: 2, 698, 872 2, 701, 270 2, 702, 828 2, 703, 335 2, 707, 198 2, 718, 538 5: 2, 712, 563 6: 2, 700, 693 2, 701, 271 2, 724, 732 17: 2, 727, 079 19: 2, 708, 683 2, 713, 078 2, 724, 733 24: 2, 727, 080 26: 2, 715, 148 2, 715, 149 27: 2, 715, 150 2, 715, 151 2, 727, 081 2, 728, 808 28: 2, 699, 458 2, 700, 062 2, 708, 211 2, 708, 212 2, 714, 624	136— 30: 2, 727, 082 2, 727, 083 34: 2, 702, 308 2, 724, 734 36: 2, 716, 146 39: 2, 713, 079 43: 2, 715, 651 80: 2, 702, 829 83: 2, 707, 199 2, 718, 539 86: 2, 716, 670 89: 2, 728, 809 90: 2, 711, 437 2, 716, 671 93: 2, 700, 063 100: 2, 706, 213 2, 712, 564 2, 715, 652 2, 715, 653 102: 2, 724, 010 106: 2, 710, 307 107: 2, 704, 780 2, 705, 249 2, 712, 565 2, 723, 301 110: 2, 702, 309 111: 2, 699, 459 2, 699, 460 2, 699, 461 2, 701, 272 2, 702, 310 2, 705, 250 2, 705, 251 2, 705, 252 2, 705, 253 2, 708, 684 2, 713, 602 120: 2, 726, 279 124: 2, 708, 685 133: 2, 706, 214 2, 707, 200 2, 710, 887 2, 712, 034 135: 2, 705, 736 139: 2, 716, 078 146: 2, 700, 694 2, 703, 336 2, 707, 201 2, 724, 011 147: 2, 707, 202 2, 719, 874 154: 2, 715, 081 2, 715, 082 161: 2, 700, 064 162: 2, 703, 819 2, 713, 080 166: 2, 700, 695 2, 707, 721 2, 708, 213 2, 724, 012 168: 2, 717, 273 170: 2, 704, 781 2, 713, 603 171: 2, 705, 254 2, 718, 540 173: 2, 718, 541 177: 2, 708, 214 2, 716, 147 137— 1: 2, 705, 016 2, 725, 067 4: 2, 707, 964 14: 2, 714, 894 26: 2, 701, 577 34: 2, 727, 523 37: 2, 719, 530 38: 2, 702, 559 2, 703, 582 43: 2, 717, 610 2, 727, 524 48: 2, 702, 560 56: 2, 700, 392 2, 711, 749 58: 2, 713, 869 61: 2, 716, 418 64: 2, 699, 174 66: 2, 700, 393 2, 703, 095 2, 719, 531 2, 721, 570 68: 2, 713, 870 2, 715, 908 2, 719, 532 69: 2, 725, 889 70: 2, 707, 479 2, 710, 014 75: 2, 707, 965 2, 716, 419 2, 721, 571 79: 2, 711, 184 2, 720, 211 80: 2, 719, 533 81: 2, 704, 085 2, 720, 212 82: 2, 725, 068 83: 2, 713, 348
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137— 83: 2,724,397 2,727,525 84: 2,701,576 2,719,534 2,724,398 85: 2,706,994 2,710,015 2,717,611 2,718,232 2,718,896 2,719,535 2,726,669 86: 2,699,795 2,705,017 2,705,018 2,712,321 2,714,895 87: 2,705,969 2,716,995 88: Re.24,034 92: 2,711,750 93: 2,726,670 98: 2,702,561 2,707,480 2,712,827 2,716,996 2,726,671 99: 2,723,675 100: 2,710,620 102: 2,702,044 2,706,487 2,716,997 2,717,612 2,718,897 2,721,572 106: 2,699,175 110: 2,720,213 2,725,069 111: 2,710,016 2,719,536 112: 2,699,796 2,705,501 113: 2,721,573 115: 2,725,890 116: 2,704,086 2,706,488 116.5: 2,701,578 2,706,995 2,707,966 2,720,887 118: 2,700,394 119: 2,704,087 2,714,388 2,714,897 2,718,233 122: 2,721,574 151: 2,699,797 2,715,411 2,725,070 2,709,445 183: 2,724,399 192: 2,702,045 193: 2,716,420 197: 2,713,871 2,718,234 2,722,942 2,723,676 201: 2,724,400 202: 2,705,502 2,708,944 2,725,071 208: 2,711,751 212: 2,707,967 216: 2,722,229 217: 2,722,943 218: 2,707,481 2,710,621 219: 2,704,547 2,706,996 2,725,891 223: 2,700,980 2,701,579 2,710,622 2,710,623 231: 2,716,998 235: 2,703,096 2,716,999 238: 2,705,970 241: 2,725,892 242: 2,728,349 246.11: 2,710,017 246.12: Re.23,957 246.16: 2,699,798 246.17: 2,715,412 247: 2,710,624 248: 2,704,088 2,710,625 2,715,909 250: 2,720,888 251: 2,719,537 253: 2,711,752 262: 2,720,889 270: 2,709,446 2,723,677 271: 2,700,981	137— 271: 2,726,672 296: 2,699,176 312: 2,698,630 315: 2,705,019 2,706,997 2,720,214 318: 2,712,322 319: 2,711,753 322: 2,712,323 327: 2,716,421 331: 2,713,349 332: 2,726,673 339: 2,718,898 342: 2,722,230 343: 2,717,000 350: 2,725,893 359: 2,708,449 360: 2,725,894 376: 2,718,235 377: 2,725,072 382: 2,707,968 2,713,872 2,727,526 387: 2,703,097 2,715,413 389: 2,726,674 391: 2,716,422 392: 2,707,482 2,708,945 397: 2,726,675 399: 2,715,414 403: 2,724,401 2,727,527 408: 2,703,098 2,714,389 2,714,390 2,714,391 2,716,423 2,724,402 411: 2,710,018 413: 2,709,447 414: 2,698,631 2,712,828 419: 2,724,403 428: 2,703,099 434: 2,702,562 2,720,215 436: 2,706,998 437: 2,707,969 2,722,944 442: 2,715,415 446: 2,722,231 2,724,404 447: 2,713,873 2,715,910 454.2: 2,727,528 454.4: 2,703,583 454.6: 2,703,584 2,711,185 2,726,676 455: 2,703,100 456: 2,707,483 2,722,945 458: 2,701,580 460: 2,700,982 2,707,484 2,711,186 2,718,236 461: 2,728,350 463: 2,710,019 2,718,899 466: 2,699,177 467: 2,702,046 469: 2,704,548 2,704,549 2,712,829 2,727,529 480: 2,703,101 2,720,890 484.2: 2,715,416 484.4: 2,704,550 486: 2,711,754 2,724,405 488: 2,706,489 489: 2,707,970 2,715,417 491: 2,724,406 492: 2,711,187 493: 2,699,178 2,723,678 493.4: 2,725,073 493.8: 2,703,102 2,721,575 493.9: 2,725,074 494: 2,704,551 2,726,677 495: 2,702,047 498: 2,699,799 2,704,552 2,704,553 2,710,626 505.11: 2,700,983 505.13: 2,702,048 505.14: 2,725,895 505.28: 2,721,576	137-505.28: 2,727,530 505.37: 2,718,237 505.47: 2,699,800 508: 2,726,678 510: 2,715,418 2,720,891 512: 2,707,485 2,710,020 2,716,424 512.1: 2,714,896 2,718,900 2,718,901 2,718,902 2,725,075 513: 2,713,874 514: 2,717,001 514.5: 2,710,021 514.7: 2,714,392 515.5: 2,722,232 516.13: 2,727,531 516.15: 2,728,351 516.27: 2,706,490 520: 2,711,755 522: 2,702,043 523: 2,700,395 527.2: 2,718,238 527.8: 2,708,946 2,711,188 2,715,911 528: 2,727,532 529: 2,710,022 533.11: 2,727,533 533.13: 2,723,679 533.27: 2,701,581 539: 2,699,179 539.5: 2,699,180 540: 2,706,491 2,710,627 542: 2,703,103 543.15: 2,725,076 543.19: 2,710,023 553: 2,699,801 555: 2,726,679 558: 2,720,216 561: 2,711,190 2,720,217 2,723,680 563: 2,710,024 2,714,393 565: 2,700,396 566: 2,701,582 569: 2,700,397 571: 2,709,448 2,728,352 576: 2,711,189 584: 2,706,999 586: 2,718,239 588: 2,702,563 589: 2,721,577 590: 2,705,503 2,707,000 592: 2,711,756 595: 2,720,218 2,724,407 599: 2,715,912 599.2: 2,707,971 606: 2,712,324 607: 2,706,492 612.1: 2,708,450 2,708,947 613: 2,712,830 614: 2,699,181 614.15: 2,713,350 615: 2,727,534 620: 2,698,632 2,705,020 2,708,451 2,709,449 2,711,757 2,716,425 2,717,002 2,722,233 2,722,234 2,722,946 2,724,408 621: 2,726,680 622: 2,702,049 2,703,104 2,703,585 2,705,971 2,708,948 2,710,628 2,715,913 2,718,240 622.5: 2,700,984 2,700,985 2,709,450 623: 2,700,986 2,718,903 2,725,077 624: 2,722,947 2,728,353 625.12: 2,703,105 625.16: 2,702,050	137-625.25: 2,708,452 2,723,681 625.29: 2,703,106 2,704,554 2,714,394 625.32: 2,711,191 625.34: 2,717,003 2,720,892 625.35: 2,709,451 625.41: 2,707,486 625.42: 2,725,896 625.43: 2,703,586 625.48: 2,717,613 628: 2,702,051 2,724,409 630.14: 2,719,538 630.19: 2,713,351 2,720,219 630.22: 2,702,052 634: 2,711,578 2,723,682 637: 2,717,004 637.1: 2,709,452 637.4: 2,722,235 2,722,236 777: 2,718,904 781: 2,705,021 784: 2,700,987 2,716,426 785: 2,702,053 2,707,001 2,718,241 788: 2,703,107 2,721,579 791: 2,724,410 2,725,078 793: 2,710,629 795: 2,698,633 799: 2,714,898 138— 25: 2,700,988 26: 2,701,583 2,710,025 2,712,831 30: 2,710,630 2,721,580 2,724,411 31: 2,703,108 2,707,002 2,708,949 2,714,899 2,715,419 2,720,220 2,724,412 2,725,897 37: 2,704,089 2,705,972 2,717,614 2,727,535 2,728,354 38: 2,726,681 39: 2,705,973 40: 2,712,325 43: 2,707,487 44: 2,704,555 2,707,488 45: 2,707,489 2,715,420 2,716,427 2,728,355 46: 2,700,989 47: 2,699,182 48: 2,702,564 2,706,493 49: 2,728,356 50: Re.24,026 2,720,221 55: 2,703,109 2,726,682 56: 2,704,556 2,707,490 2,707,491 2,707,492 2,715,914 2,722,237 57: 2,706,494 60: 2,707,972 63: 2,707,493 64: 2,722,948 2,725,079 65: 2,706,495 2,706,496 68: 2,709,453 74: 2,703,110 2,709,454 2,727,536 2,727,537 78: 2,706,497 2,710,026 80: 2,707,003 84: 2,706,498 2,717,615 87: 2,714,395 89: 2,702,565 2,706,499 2,710,027	138— 89: 2,711,758 2,720,893 2,722,238 90: 2,699,802 2,704,090 94.3: 2,709,455 2,726,683 94.5: 2,707,494 96: 2,701,584 2,708,453 2,708,950 2,709,456 2,714,900 2,725,898 97: 2,716,428 2,721,581 99: 2,703,111 2,708,951 2,712,326 2,713,352 2,721,582 139— 1: 2,705,022 2,705,504 2,713,875 2,714,901 2,723,683 13: 2,717,759 2,713,353 2,714,396 2,715,915 2,725,080 2,725,899 2,726,684 16: 2,724,413 2,728,357 20: 2,715,916 21: 2,709,457 2,714,397 2,714,398 28: 2,708,454 30: 2,725,900 38: 2,698,634 2,710,028 39: 2,704,091 2,705,974 2,709,458 2,713,354 2,713,355 2,714,399 2,714,400 2,715,917 2,715,918 2,717,005 2,720,222 40: 2,711,192 41: 2,713,356 42: 2,710,029 50: 2,704,557 54: 2,703,587 2,704,558 2,710,631 55: 2,728,358 59: 2,701,585 68: 2,705,505 2,712,832 71: 2,705,506 2,712,327 74: 2,727,538 76: 2,705,023 77: 2,724,414 79: 2,705,507 88: 2,700,398 89: 2,704,559 92: 2,700,399 2,707,495 2,707,496 2,708,455 2,722,949 97: 2,714,401 104: 2,701,586 109: 2,705,024 2,708,456 2,715,421 2,707,973 111: 2,715,919 116.6: 2,705,508 126: 2,702,054 2,726,685 127: 2,702,566 2,720,223 2,728,359 134: 2,713,876 142: 2,703,112 145: 2,715,422 147: 2,720,894 151: 2,717,006 154: 2,714,402 159: 2,705,025 2,728,360 160: 2,707,004 164: 2,719,539 166: 2,705,975 172: 2,707,005 182: 2,699,183 2,703,588	139— 182: 2,703,589 185: 2,707,974 186: 2,713,357 187: 2,699,184 2,710,030 188: 2,699,185 2,705,976 2,714,403 2,715,423 190: 2,722,950 191: 2,712,328 192: 2,705,977 2,717,007 195: 2,700,400 196: 2,699,186 2,706,500 2,720,224 205: 2,716,429 223: 2,707,975 2,717,616 2,723,684 227: 2,722,239 231: 2,727,539 232: 2,700,990 233: 2,699,187 2,723,685 248: 2,712,833 263: 2,702,055 2,711,193 2,720,225 266: 2,718,242 270: 2,705,026 273: 2,707,976 298: 2,707,006 303: 2,709,459 304: 2,714,404 308: 2,722,240 312: 2,719,540 327: 2,722,241 336: 2,703,590 2,707,977 2,715,920 2,717,008 2,723,686 336.4: 2,721,583 336.6: 2,720,895 337: 2,707,497 341: 2,707,498 365: 2,723,687 375: 2,703,591 379: 2,701,587 2,713,358 383: 2,713,359 2,728,361 384: 2,703,113 391: 2,713,360 401: 2,718,243 403: 2,700,401 2,702,056 2,708,457 2,709,460 2,709,461 2,713,877 2,714,405 2,714,902 2,715,921 405: 2,708,458 406: 2,719,541 409: 2,719,542 410: 2,722,951 420: 2,707,499 421: 2,718,905 423: 2,718,244 425: 2,699,803 426: 2,712,834 2,713,361 2,720,226 140— 1: 2,705,978 2,708,459 2: 2,708,460 2,717,009 24: 2,705,509 58: 2,720,227 71: 2,705,027 2,709,462 2,712,835 2,713,362 2,713,878 2,715,424 2,715,922 2,722,242 71.5: 2,711,760 2,719,543 2,719,544 2,721,584 2,725,901 2,726,686 2,727,540 71.6: 2,701,588 2,719,545 2,719,546 81.5: 2,706,501 92.1: 2,712,836 92.2: 2,724,415 92.7: 2,708,461
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140— 92. 7: 2, 721, 585 93: 2, 708, 462 102.5: 2, 701, 589 103: 2, 703, 592 112: 2, 700, 991 2, 712, 837 2, 725, 081 115: 2, 712, 838 118: 2, 725, 902 123.6: 2, 725, 903 149: 2, 727, 541 142— 15: 2, 703, 114 143— 6: 2, 704, 092 2, 708, 463 2, 708, 952 2, 711, 194 2, 714, 903 2, 718, 907 2, 719, 547 2, 719, 548 2, 722, 952 2, 725, 904 8: 2, 705, 028 17: 2, 700, 402 2, 705, 510 2, 711, 195 2, 711, 761 2, 725, 082 19: 2, 722, 953 24: 2, 711, 196 2, 714, 904 30: 2, 706, 502 32: 2, 702, 057 2, 708, 953 2, 714, 406 2, 718, 908 36: 2, 703, 115 2, 704, 560 2, 707, 500 2, 711, 762 37: 2, 705, 979 41: 2, 711, 197 2, 714, 407 43: 2, 698, 635 2, 708, 464 2, 713, 363 2, 714, 905 2, 715, 425 2, 717, 010 2, 719, 549 2, 720, 896 2, 722, 954 2, 722, 955 44: 2, 701, 590 46: 2, 719, 550 47: 2, 708, 465 2, 719, 551 48: 2, 702, 058 2, 705, 511 58: 2, 709, 463 61: 2, 724, 416 63: 2, 703, 116 2, 705, 980 2, 723, 688 68: 2, 721, 586 70: 2, 710, 632 2, 718, 909 71: 2, 721, 587 73: 2, 725, 905 80: 2, 720, 228 81: 2, 726, 687 84: 2, 723, 689 88: 2, 705, 029 89: 2, 708, 466 101: 2, 728, 362 103: 2, 708, 467 118: 2, 707, 501 2, 711, 198 120: 2, 721, 588 125: 2, 703, 117 2, 723, 690 131: 2, 719, 552 132: 2, 699, 188 2, 700, 992 2, 702, 567 2, 722, 243 2, 728, 363 133: 2, 703, 593 2, 718, 245 2, 725, 906 135: 2, 705, 512 2, 725, 083 140: 2, 720, 229 141: 2, 703, 118 156: 2, 722, 244 158: 2, 702, 568 2, 706, 503 2, 722, 245 2, 726, 688 159: 2, 722, 246 160: 2, 709, 464 169: 2, 710, 633 171: 2, 720, 897 174: 2, 714, 906 2, 722, 247	144— 1: 2, 726, 689 2, 728, 364 2: 2, 700, 403 2, 710, 634 3: 2, 705, 981 2, 710, 031 27: 2, 698, 636 28: 2, 713, 364 31: 2, 722, 248 32: 2, 705, 030 2, 706, 504 2, 721, 589 2, 723, 691 2, 728, 365 34: 2, 701, 591 48: 2, 715, 923 92: 2, 712, 839 93: 2, 717, 011 104: 2, 711, 199 114: 2, 700, 993 115: 2, 703, 119 116: 2, 725, 084 117: 2, 706, 505 2, 712, 840 2, 718, 246 118: 2, 722, 956 2, 725, 907 119: 2, 712, 841 133: 2, 705, 031 134: 2, 705, 032 2, 714, 408 2, 722, 249 136: 2, 702, 569 2, 705, 513 137: 2, 726, 690 162: 2, 710, 635 2, 712, 842 2, 717, 012 175: 2, 720, 230 176: 2, 727, 542 193: 2, 704, 093 205: 2, 715, 924 208: 2, 699, 189 2, 705, 033 2, 705, 982 2, 707, 007 2, 707, 978 2, 707, 979 2, 708, 468 2, 709, 465 2, 712, 329 2, 712, 330 2, 713, 365 2, 718, 910 2, 725, 908 2, 726, 691 215: 2, 720, 898 218: 2, 716, 430 222: 2, 712, 331 229: 2, 728, 366 230: 2, 702, 059 242: 2, 702, 570 251: 2, 705, 034 2, 711, 763 253: 2, 699, 804 2, 703, 120 2, 717, 013 2, 726, 692 279: 2, 701, 592 281: 2, 705, 514 2, 720, 231 2, 725, 909 285: 2, 727, 543 288: 2, 708, 954 2, 710, 033 2, 722, 250 290: 2, 726, 693 2, 727, 544 293: 2, 723, 692 296: 2, 703, 594 302: 2, 726, 694 304: 2, 699, 190 305: 2, 705, 983 2, 715, 925 309: 2, 700, 404 2, 707, 008 2, 716, 431 2, 717, 617 2, 720, 899 2, 721, 590 2, 723, 693 2, 725, 910 145— 1: 2, 714, 907 2, 718, 247 4: 2, 707, 502 2, 718, 248 2, 719, 553 16: 2, 719, 554 20: 2, 699, 805 2, 707, 980 24: 2, 717, 618 29: 2, 702, 060 30: 2, 722, 251	145— 31: 2, 724, 417 2, 727, 545 33: 2, 705, 035 2, 715, 426 2, 725, 911 34: 2, 703, 121 2, 725, 085 35: 2, 710, 032 36: 2, 704, 094 50: 2, 709, 466 2, 723, 694 2, 726, 695 2, 727, 546 51: 2, 698, 637 52: 2, 706, 506 61: 2, 725, 086 62: 2, 714, 409 64: 2, 718, 249 66: 2, 715, 926 2, 721, 591 116: 2, 705, 515 2, 721, 592 146— 2: 2, 706, 507 2, 718, 906 2, 720, 232 2, 723, 695 3: 2, 701, 593 2, 705, 984 2, 707, 981 2, 711, 200 12: 2, 707, 503 2, 722, 252 13: 2, 700, 994 14: 2, 720, 900 16: 2, 713, 366 18: 2, 710, 636 19: 2, 712, 333 28: 2, 701, 594 2, 704, 561 2, 705, 036 2, 705, 037 32: 2, 699, 806 40: 2, 699, 807 2, 703, 122 43: 2, 699, 808 48: 2, 703, 123 2, 703, 124 51: 2, 699, 191 55: 2, 703, 125 2, 707, 982 2, 719, 555 61: 2, 700, 995 67: 2, 721, 593 68: 2, 702, 571 73: 2, 703, 126 2, 710, 637 2, 722, 253 78: 2, 705, 985 2, 713, 879 2, 721, 594 81: 2, 712, 334 86: 2, 705, 516 88: 2, 722, 254 91: 2, 704, 095 2, 713, 367 101: 2, 711, 764 102: 2, 698, 638 2, 728, 367 107: 2, 701, 595 2, 710, 034 108: 2, 719, 556 2, 725, 912 119: Re.24,073 2, 714, 410 122: 2, 701, 596 130: 2, 715, 427 2, 722, 255 151: 2, 707, 983 2, 720, 233 160: 2, 707, 504 2, 720, 901 163: 2, 703, 595 164: 2, 700, 996 2, 705, 986 2, 722, 256 165: 2, 704, 096 169: 2, 702, 572 2, 713, 880 171: 2, 714, 908 177: 2, 728, 368 180: 2, 720, 234 192: 2, 710, 035 213: 2, 714, 909 2, 726, 696 216: 2, 702, 573 2, 711, 765 217: 2, 715, 927 221: 2, 713, 881 226: 2, 702, 574 238: 2, 714, 411 3: 2, 704, 097 147— 1: 2, 719, 799 148— 1.5: 2, 703, 296 2, 708, 646 2, 711, 379 2, 714, 566	148— 1.5: 2, 725, 315 2, 725, 316 2, 727, 839 2, 727, 840 2: 2, 700, 627 4: 2, 703, 297 6.11: 2, 707, 159 6.14: 2, 728, 695 6.15: Re.24,017 2, 702, 768 2, 703, 768 2, 712, 511 2, 724, 668 2, 727, 841 6.24: 2, 715, 083 6.35: 2, 727, 842 2, 728, 696 9: 2, 711, 979 10: 2, 716, 079 2, 726, 971 11.5: 2, 723, 926 2, 724, 669 2, 725, 317 2, 725, 318 2, 726, 972 2, 726, 973 12: 2, 701, 778 2, 716, 080 12.4: 2, 699, 412 2, 717, 846 12.7: 2, 709, 144 13.1: 2, 709, 145 2, 710, 271 2, 711, 980 2, 721, 155 2, 721, 156 15.5: 2, 711, 981 16: 2, 703, 298 16.7: 2, 723, 927 19: 2, 722, 494 21.5: 2, 718, 482 21.55: 2, 726, 181 23: 2, 700, 628 2, 715, 084 24: 2, 701, 779 25: 2, 710, 272 26: 2, 719, 801 2, 719, 801 2, 720, 473 2, 723, 928 2, 723, 929 2, 723, 930 31: 2, 706, 696 31.5: 2, 699, 413 2, 720, 474 111: 2, 700, 006 120: 2, 728, 697 122: 2, 717, 223 2, 711, 766 150— .5: 2, 711, 767 2, 713, 368 2, 713, 369 2, 717, 619 2, 721, 595 2, 722, 257 2, 724, 418 2, 725, 087 2, 727, 547 1: 2, 703, 127 2, 704, 098 2, 704, 099 2, 705, 517 2, 710, 638 2, 712, 843 1.5: 2, 704, 562 2, 704, 563 2, 705, 518 2, 707, 009 2, 708, 955 2, 711, 201 2, 716, 432 2, 722, 258 2, 722, 958 1.6: 2, 707, 505 1.7: 2, 721, 596 1.8: 2, 715, 428 2, 720, 902 2, 712, 335 2.1: 2, 714, 910 3: 2, 714, 911 2, 715, 928 4: 2, 717, 014 7: 2, 709, 467 2, 710, 639 8: 2, 704, 100 2, 718, 250 11: 2, 713, 370 12: 2, 705, 987 2, 705, 988 28: 2, 701, 597 2, 710, 036 2, 711, 202 2, 722, 959 2, 723, 696 2, 727, 548 29: 2, 711, 203	150— 33: 2, 725, 088 34: 2, 717, 015 2, 717, 620 35: 2, 698, 639 2, 699, 192 2, 707, 010 2, 720, 903 2, 720, 904 36: 2, 727, 549 37: 2, 702, 061 2, 726, 697 38: 2, 710, 037 2, 711, 768 2, 719, 557 39: 2, 705, 038 2, 718, 911 2, 722, 960 2, 725, 913 2, 727, 550 40: 2, 698, 640 2, 703, 596 2, 704, 101 2, 707, 011 2, 712, 844 2, 717, 016 2, 717, 621 2, 720, 235 42: 2, 723, 697 45: 2, 728, 369 46: 2, 705, 989 2, 699, 809 52: 2, 702, 062 2, 705, 039 2, 705, 519 2, 705, 990 2, 706, 508 2, 707, 506 2, 709, 468 2, 711, 769 2, 712, 336 2, 712, 337 2, 712, 845 2, 714, 912 2, 716, 433 2, 717, 017 2, 717, 018 2, 718, 251 2, 718, 912 2, 720, 236 2, 721, 597 2, 725, 914 151— 7: 2, 723, 698 2, 723, 699 2, 725, 915 2, 727, 551 8: 2, 718, 252 19: 2, 708, 956 21: 2, 709, 469 2, 720, 905 28: 2, 713, 882 35: 2, 707, 012 37: 2, 702, 063 2, 709, 470 2, 713, 883 2, 715, 929 41.7: 2, 707, 507 2, 717, 622 41.71: 2, 705, 991 41.73: 2, 722, 259 2, 728, 370 41.74: 2, 724, 419 41.75: 2, 707, 013 2, 719, 558 2, 727, 552 41.76: 2, 716, 434 68: 2, 707, 508 152— 6: 2, 715, 930 157: 2, 708, 469 175: 2, 707, 014 208: 2, 708, 470 209: 2, 699, 193 2, 701, 598 2, 706, 509 2, 708, 957 2, 716, 435 210: 2, 704, 564 211: 2, 720, 906 213: 2, 707, 015 2, 714, 913 2, 715, 429 214: 2, 720, 237 216: 2, 720, 238 2, 727, 553 218: 2, 710, 038 2, 722, 961 219: 2, 705, 520 2, 717, 623 220: 2, 706, 510 2, 719, 559 222: 2, 714, 914 2, 720, 239 225: 2, 705, 521 2, 722, 260 226: 2, 717, 019 2, 726, 698	152— 226: 2, 728, 371 236: 2, 717, 624 2, 726, 699 239: 2, 702, 575 2, 704, 565 2, 721, 598 242: 2, 700, 405 2, 711, 770 245: 2, 701, 599 2, 701, 600 307: 2, 704, 102 310: 2, 709, 471 330: 2, 699, 810 2, 700, 997 2, 709, 472 2, 713, 884 341: 2, 713, 371 342: 2, 713, 372 347: 2, 712, 338 350: 2, 699, 194 2, 712, 339 356: 2, 700, 998 2, 703, 128 359: 2, 700, 406 364: 2, 699, 811 370: 2, 727, 554 384: 2, 713, 373 388: 2, 701, 601 405: 2, 706, 511 406: 2, 720, 240 410: 2, 700, 999 412: 2, 713, 374 416: 2, 715, 430 418: 2, 710, 039 2, 723, 700 419: 2, 719, 560 153— 1: 2, 702, 064 2, 707, 509 2, 714, 915 2, 726, 700 2, 726, 701 2: 2, 701, 000 2, 708, 958 2, 711, 204 2, 714, 412 9: 2, 728, 372 11: 2, 726, 702 15: 2, 707, 510 2, 716, 436 2, 727, 555 16: 2, 699, 812 2, 706, 512 20: 2, 702, 576 2, 710, 040 21: Re.23,939 2, 702, 577 2, 724, 420 2, 725, 916 32: 2, 705, 040 2, 705, 992 2, 708, 471 2, 713, 375 2, 717, 020 2, 717, 625 2, 717, 626 2, 718, 253 2, 718, 913 2, 722, 261 2, 725, 917 35: 2, 714, 916 2, 714, 917 2, 715, 431 2, 727, 556 39: 2, 701, 001 40: 2, 702, 065 2, 709, 473 2, 713, 376 2, 719, 561 2, 723, 701 45: 2, 702, 066 48: 2, 700, 407 2, 701, 002 2, 702, 578 2, 714, 918 2, 715, 432 2, 717, 021 2, 727, 557 49: 2, 700, 408 52: 2, 711, 205 2, 726, 703 53: 2, 703, 129 54: 2, 698, 641 2, 698, 642 2, 700, 409 2, 706, 513 2, 707, 016 2, 719, 562 2, 724, 421 64: 2, 699, 195 2, 713, 377 2, 718, 914 64.5: 2, 719, 563 67: 2, 704, 103 73: 2, 704, 104 2, 714, 919
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153—	73: 2,720,241 76: 2,703,597 2,710,041 2,712,340 78: 2,723,702 79: Re.24,051 2,707,511 2,709,474 2,711,772 2,723,703 2,727,558 80.5: 2,726,704 2,728,373 81: 2,711,771 2,711,773 2,711,774 2,727,559 82: 2,723,704 2,725,918 87: 2,699,196 94: 2,720,242 98: 2,724,422 99: 2,720,907 104: 2,720,243 154—	16: 2,700,410 2,706,514 2,721,600 17: 2,722,264 25: 2,722,265 28: 2,702,069 2,707,984 2,720,909 29: 2,723,707 30: 2,710,043 2,714,415 2,723,708 31: 2,708,472 2,710,044 2,710,640 2,711,206 2,720,910 32: 2,710,045 2,719,566 33.05: 2,704,106 33.1: 2,717,023 2,717,024 2,717,025 35: 2,704,107 37: 2,702,580 2,712,342 41: 2,704,108 2,705,522 2,713,383 2,721,601 2,726,705 42: 2,698,645 2,702,070 2,703,133 2,705,523 2,705,993 2,707,018 2,707,985 2,710,641 2,711,779 2,711,780 2,711,781 2,712,343 2,714,416 2,715,934 2,718,255 2,719,567 2,720,246 2,720,247 2,720,248 2,722,964 2,724,426 2,725,091 2,726,706 2,726,707 2,727,560 42.1: 2,721,602 2,725,920 42.3: 2,702,581 2,706,515 2,711,782 43: 2,701,780 2,718,483 2,725,321 2,728,698 43.5: 2,713,549 2,713,550 2,715,085 44: 2,705,208 2,709,667 2,715,086 2,717,848 2,719,099 2,726,977 45.9: 2,699,414 2,706,164 2,711,380 2,721,816 46: 2,701,221 2,719,802 2,719,803 2,728,699 47: 2,721,817 48: 2,705,691 49: 2,707,160 2,713,012 2,720,476 2,721,818 50: 2,714,568 51: 2,705,209 2,721,819 52: 2,704,267 2,708,177 2,713,551 2,724,670 2,728,700 52.1: 2,721,158 52.2: 2,727,844 52.5: 2,723,214 53.5: 2,720,477 2,725,322 2,726,183 53.6: 2,705,210 2,714,569 54: 2,702,769	54.5: 2,723,932 55: 2,704,268 2,714,570 79: 2,716,625 80: 2,707,693 2,723,933 81: 2,702,770 2,702,771 2,707,694 2,724,671 2,726,978 2,727,845 2,728,701 82: 2,703,299 2,724,672 83: 2,707,161 2,711,982 2,715,087 2,717,849 2,724,673 2,726,184 2,728,702 85: 2,703,769 2,703,770 86: 2,712,512 90: 2,713,013 2,715,596 2,725,323 91: 2,699,415 2,710,275 2,721,820 2,723,215 2,726,185 93: 2,703,771 2,704,734 2,715,088 2,719,804 95: 2,700,629 2,706,697 2,708,647 2,710,820 2,711,983 2,716,081 2,716,082 2,721,821 2,721,822 2,724,674 96: 2,703,772 98: 2,719,805 99: 2,700,008 100: 2,723,934 2,726,186 101: 2,702,261 2,705,692 2,711,381 2,714,081 2,719,806 2,723,935 102: 2,700,630 2,700,631 2,722,495 103: 2,709,146 104: 2,721,823 106: 2,699,416 2,713,014 2,718,484 2,723,936 2,723,937 110: 2,700,632 2,705,211 116: 2,700,633 2,701,222 2,703,300 2,703,773 2,705,693 2,706,698 2,708,648 2,708,649 2,719,100 2,721,159 117: 2,702,772 2,709,668 2,711,382 2,712,513 2,715,597 2,717,224 2,719,807 118: 2,700,009 2,701,223 2,710,276 2,713,015 2,719,808 2,719,809 2,726,187 120: 2,704,735 2,711,984 2,720,478 2,725,324 121: 2,712,514 122: 2,711,985 2,713,016 123: 2,707,162 125: 2,705,210 2,715,089 126: 2,713,017	126: 2,715,598 126.5: 2,700,634 2,706,165 2,718,485 128: 2,700,010 2,703,774 2,703,775 2,709,147 2,717,225 2,722,496 129: 2,699,417 2,726,979 130: 2,710,821 2,711,383 2,720,479 2,728,703 133: 2,724,675 136: 2,702,773 2,716,083 138: 2,704,736 139: Re.24,062 2,706,166 2,709,148 2,711,986 2,714,571 139: 2,724,676 140: 2,703,776 2,706,699 2,708,650 2,719,101 2,725,325 155—	1: 2,698,646 2,701,004 2,703,134 2,717,629 2,722,266 2: 2,699,199 2,699,814 2,703,135 2,712,848 3: 2,722,965 5: 2,700,411 2,700,412 2,702,071 2,700,047 7: 2,704,109 2,712,344 2,712,345 2,718,256 9: 2,707,986 2,725,921 10: 2,704,567 2,709,477 11: 2,704,110 2,713,886 2,721,603 2,723,709 2,725,922 14: 2,702,582 2,708,959 2,712,346 2,712,849 2,713,384 2,715,433 2,723,710 2,723,711 2,725,092 15: 2,716,438 17: 2,714,417 2,715,935 18: 2,704,111 22: 2,708,473 2,713,887 24: 2,700,413 2,719,568 26: 2,702,072 30: 2,701,005 2,707,019 31: 2,711,207 35: 2,719,569 36.5: 2,725,093 38: 2,715,936 39: 2,728,374 41: 2,720,911 2,722,966 43: 2,698,647 2,703,136 2,705,524 2,707,512 2,711,208 2,713,888 44: 2,701,602 2,709,478 45: 2,701,603 2,702,583 2,703,599 2,724,427 2,724,428 49: 2,698,648 50: 2,704,568 51: 2,704,112 52: 2,702,073 53: 2,702,074 55: 2,699,200	56: 2,708,960 2,710,642 58: 2,699,201 2,701,604 69: 2,722,967 72: 2,698,649 73: 2,709,479 2,716,439 2,728,375 76: 2,715,937 77: 2,705,525 2,718,257 78: 2,707,987 2,710,643 2,711,783 2,722,968 79: 2,712,347 81: 2,711,784 2,722,969 83: 2,714,920 85: 2,717,026 86: 2,705,526 2,719,570 88: 2,722,970 2,702,075 2,704,113 94: 2,710,048 2,711,209 2,719,571 2,720,250 95: 2,710,644 2,721,604 101: 2,726,708 105: 2,714,418 2,714,921 2,719,572 2,719,573 106: 2,714,922 2,717,630 2,720,250 2,726,709 2,727,561 110: 2,710,645 112: 2,699,202 2,700,414 2,704,114 2,710,049 2,714,419 2,718,916 2,720,912 2,726,710 114: 2,703,600 2,725,923 115: 2,717,027 116: 2,705,042 2,708,474 2,709,480 117: 2,704,115 2,728,376 119: 2,710,050 120: 2,727,562 121: 2,715,938 123: 2,702,584 2,726,711 2,728,377 124: 2,702,585 2,708,961 2,713,889 2,714,420 2,716,440 2,717,028 2,717,631 2,722,971 2,725,094 2,725,095 2,726,712 125: 2,717,632 2,719,574 2,725,924 126: 2,701,006 127: 2,704,116 2,707,020 2,720,913 2,724,429 2,728,378 128: 2,710,051 2,711,210 131: 2,714,923 2,714,924 2,715,434 2,717,633 133: 2,702,076 2,707,513 2,710,646 2,725,925 134: 2,712,348 139: 2,699,815 2,702,586 2,702,587 2,708,962 2,709,481 2,712,349 2,714,925 140: 2,699,816 2,713,385	140: 2,716,441 2,717,634 2,722,972 2,725,926 141: 2,718,917 142: 2,709,482 143: 2,713,890 2,727,563 145: 2,701,007 147: 2,699,817 148: 2,703,137 2,705,043 2,719,575 2,724,430 150: 2,722,973 2,727,564 152: 2,713,891 156: 2,703,601 2,705,994 2,728,379 158: 2,708,963 159: 2,710,647 161: 2,702,077 164: 2,711,211 2,711,785 165: 2,701,605 2,722,974 166: 2,728,380 167: 2,719,576 174: 2,719,577 177: 2,701,606 2,708,475 179: 2,698,650 2,698,651 2,701,008 2,702,078 2,702,588 2,705,527 2,708,964 2,709,483 2,710,648 2,715,435 2,716,442 2,717,029 2,717,635 2,719,578 2,722,267 2,722,268 2,722,975 2,728,381 180: 2,722,976 182: 2,703,602 2,716,443 2,721,605 2,727,565 184: 2,703,603 2,705,995 2,711,212 2,713,892 2,717,636 2,724,431 2,725,927 2,728,382 186: 2,708,965 187: 2,704,569 2,708,476 2,723,712 2,725,096 188: 2,705,528 2,706,516 2,706,517 2,711,213 2,713,893 2,716,444 2,717,030 2,720,251 189: 2,705,044 2,705,529 2,707,988 2,708,966 2,710,052 2,710,649 2,710,650 2,725,097 2,726,714 191: 2,701,607 2,711,786 194: 2,706,518 2,706,519 2,709,484 2,711,787 2,719,579 2,722,269 195: 2,720,914 196: 2,701,009 2,703,604 2,707,514 2,709,485 2,713,386 2,720,252 2,720,253 2,721,606 197: 2,710,053 198: 2,699,203
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155— 198: 2,725,928	158— 128: 2,702,593	160— 354: 2,702,596	164— 73: 2,724,435	166— 65: 2,717,039	167— 30: 2,705,212
157— 1: 2,710,054	2,705,532	2,717,036	74: 2,727,571	67: 2,713,908	2,705,213
1.1: 2,712,850	130: 2,707,517	2,720,920	76: 2,708,480	70: 2,710,064	2,711,384
1.17: 2,701,010	2,710,056	368: 2,722,982	2,713,904	2,713,909	2,714,572
2,703,605	2,726,716	374: 2,713,389	77: 2,706,002	75: 2,706,004	2,716,627
2,720,915	131: 2,715,940	381: 2,709,489	2,724,436	2,707,030	2,717,851
1.2: 2,704,570	2,728,386	392: 2,699,828	84.5: 2,703,615	2,708,975	2,721,160
2,718,258	132: 2,717,032	1: 2,698,657	2,706,003	77: Re.24,086	2,722,497
1.22: 2,712,350	136: 2,707,518	2,699,829	2,710,063	2,720,266	2,724,677
1.26: 2,724,432	138: 2,715,437	2,706,523	2,711,793	81: 2,716,455	31: 2,703,301
2,728,383	139: 2,709,486	2,711,790	2,717,641	90: 2,718,925	2,711,987
1.28: 2,698,652	143: 2,707,519	2,714,421	2,717,642	99: 2,701,019	32: 2,719,810
1: 2,699,818	1: 2,716,446	2,721,611	2,720,262	100: 2,708,000	33: 2,714,082
2,699,819	4: 2,699,822	7: 2,699,207	2,723,718	101: 2,706,526	2,720,480
2,701,608	2,703,139	2,713,900	2,725,105	109: 2,701,020	2,721,824
2,704,571	2,707,990	9: 2,726,717	2,725,938	115: 2,703,144	2,724,678
4: 2,705,530	11: 2,709,487	10: 2,711,217	2,727,572	2,710,655	2,725,326
2,707,515	12: 2,728,387	15: 2,698,658	2,701,017	117: 2,717,644	2,725,327
2,711,214	16: 2,702,594	2,705,048	2,701,018	118: 2,708,001	2,725,328
2,715,436	17: 2,703,610	2,714,927	2,715,440	119: 2,703,622	2,725,329
2,717,637	20: 2,707,991	2,720,921	2,707,028	2,714,931	2,725,330
2,719,580	27: 2,707,022	2,720,922	2,709,492	2,714,932	2,725,331
2,727,566	43: 2,720,259	5: 2,711,218	89: 2,722,276	2,716,456	2,725,332
2,708,477	47: 2,704,120	4: 2,705,998	90: 2,728,394	2,719,587	2,725,333
13.6: 2,698,653	2,710,057	6: 2,704,575	91: 2,717,643	2,720,267	2,726,981
27.4: 2,702,079	19: 2,723,713	7: 2,710,654	94: 2,708,970	120: 2,711,795	38.6: 2,726,189
2,712,351	20: 2,718,920	8: 2,709,490	99: 2,699,208	121: 2,698,663	40: 2,700,011
2,717,031	23: 2,723,714	2,725,936	2,704,577	2,704,580	2,707,695
2,719,581	25: 2,711,788	6.5: 2,707,995	102: 2,727,573	122: 2,703,623	42: 2,702,774
2,727,567	29: 2,718,259	10.2: 2,704,122	106: 2,706,525	123: 2,713,910	46: 2,717,226
28: 2,702,589	38: 2,706,521	2,705,999	110: 2,699,209	125: 2,714,423	50: 2,721,825
2,703,606	40: 2,716,447	2,717,639	2,704,125	127: 2,715,441	52: 2,708,651
2,712,352	2,722,978	2,717,640	2,716,451	130: 2,716,457	53: 2,702,775
2,715,939	41: 2,725,098	12: 2,701,013	2,714,928	135: 2,718,926	2,702,776
2,716,445	62: 2,699,823	13: 2,699,830	2,723,719	138: 2,720,924	2,702,777
2,718,918	2,699,824	15: 2,704,123	2,708,971	139: 2,715,442	2,702,778
2,719,582	84: 2,717,033	2,727,569	2,715,942	140: 2,704,126	53.1: 2,715,600
2,720,254	2,725,934	17: 2,705,049	2,716,452	146: 2,710,656	53.2: 2,728,704
2,720,255	87: 2,722,979	19: 2,725,100	2,716,453	147: 2,722,279	55: 2,705,695
2,720,916	88: 2,718,921	2,726,718	2,720,263	152: 2,713,911	2,714,083
2,721,607	89: 2,698,656	2,713,901	2,726,720	2,715,443	56: 2,701,782
2,722,270	90: 2,699,825	2,718,260	2,700,421	2,719,588	58: 2,713,019
2,725,929	2,702,595	29: 2,713,902	2,703,142	156: 2,717,645	2,719,811
2,725,930	2,704,573	34: 2,698,659	2,704,578	157: 2,717,040	2,726,982
2,726,715	2,719,585	35: 2,726,719	2,713,390	162: 2,707,520	59: 2,703,777
2,727,568	91: 2,699,204	36: 2,710,060	2,703,616	170: 2,720,268	63: 2,725,334
35: 2,722,271	2,720,260	38: 2,705,533	2,703,617	2,728,398	2,725,335
2,725,931	2,725,935	39: 2,722,983	2,703,618	2,710,657	2,727,846
36: 2,701,609	92: 2,713,896	40: 2,701,014	2,711,794	2,713,912	64: 2,702,779
2,705,046	93: 2,699,205	2,728,391	2,714,422	2,714,424	65: Re.23,947
36.3: 2,702,590	95: 2,707,992	42: 2,703,612	2,720,264	175: 2,712,853	2,698,821
2,702,591	96: 2,712,353	2,704,576	2,702,083	176: 2,702,083	2,698,822
2,705,047	103: 2,710,058	2,707,024	2,726,721	2,720,925	2,707,696
2,706,520	106: 2,711,789	2,718,261	2,708,481	179: 2,723,721	2,710,823
2,707,021	115: 2,706,522	2,721,612	2,703,143	184: 2,725,941	2,710,824
2,724,433	117: 2,713,897	2,725,937	2,717,038	186: 2,717,041	2,715,090
36.4: 2,698,654	120: 2,702,081	2,727,570	7: 2,720,265	187: 2,711,220	2,715,091
2,700,415	123: 2,713,898	2,728,392	2,724,437	2,715,444	2,715,092
2,704,117	2,722,980	43: 2,709,491	2,724,438	191: 2,702,598	2,718,487
2,720,256	126: 2,720,919	44: 2,720,923	2,700,422	192: 2,710,065	2,718,488
2,725,932	127: 2,704,574	46: 2,703,613	2,708,481	199: 2,699,214	2,719,812
36.5: 2,702,592	128: 2,722,272	2,712,851	2,718,262	204: 2,704,581	2,720,481
2,703,138	133: 2,723,715	2,707,025	2,725,106	212: 2,724,441	2,720,482
40: 2,710,651	168: 2,707,993	2,718,924	2,718,263	214: Re.24,098	2,721,826
46: 2,703,607	2,723,716	48: 2,711,792	2,722,277	222: 2,703,145	2,721,827
2,719,583	170: 2,701,611	2,715,438	2,709,212	224: 2,717,646	2,723,216
53: 2,707,989	173: 2,716,448	2,720,261	2,699,213	2,726,723	2,723,938
2,718,919	176: 2,701,012	2,721,613	2,708,973	2,725,942	2,723,939
57: 2,720,917	2,709,488	2,725,101	2,726,724	2,726,724	2,725,336
76: 2,700,416	2,717,034	49: 2,698,660	2,724,439	225: 2,713,914	2,726,983
2,703,608	177: 2,710,059	50: 2,704,124	2,728,395	2,717,647	2,728,705
2,717,638	2,721,609	58: 2,707,996	2,718,264	2,717,648	66: 2,728,706
2,719,584	178: 2,717,035	59: 2,715,439	2,705,050	2,717,649	67: 2,719,103
91: 2,699,820	179: 2,699,826	2,722,274	2,713,906	2,718,265	68: 2,698,823
2,700,417	182: 2,728,388	60: 2,701,613	33: 2,708,974	2,724,442	2,713,020
2,700,418	188: 2,725,099	2,702,597	2,714,929	2,724,443	69: 2,726,984
2,700,419	190: 2,700,420	2,706,000	36: 2,712,355	2,710,066	70: 2,706,701
2,704,118	2,721,610	2,706,001	38: 2,727,574	2,720,926	73: 2,703,778
2,713,387	191: 2,714,926	2,708,969	40: 2,705,535	239: 2,713,915	74: 2,713,021
2,713,388	2,722,273	2,710,061	42: 2,699,832	241: 2,717,650	2,717,227
2,721,608	199: 2,703,140	2,710,062	2,703,619	2,727,576	74.5: 2,711,988
92: 2,710,652	2,713,899	2,713,903	2,716,454	2,728,399	2,720,483
99: 2,704,119	2,728,389	2,722,984	44: 2,704,579	242: 2,712,854	75: 2,704,737
2,713,894	201: 2,702,082	2,728,393	46: 2,707,997	243: 2,717,651	78: 2,701,226
2,720,257	2,708,478	2,701,015	2,721,614	2,718,266	2,705,214
2,725,933	209: 2,703,141	2,707,026	2,724,440	2,728,400	2,705,696
104: 2,701,610	211: 2,701,612	2,716,449	51: 2,725,107	167— 14: 2,699,418	2,719,102
2,702,080	216: 2,704,121	2,723,717	2,727,575	15: 2,715,599	2,720,484
106: 2,701,011	223: 2,722,981	2,725,102	57: 2,725,939	16: 2,699,419	80: 2,720,485
113: 2,707,516	228: 2,703,611	2,706,524	59: 2,707,029	17: 2,698,819	2,702,262
2,720,258	229: 2,699,827	2,717,037	2,722,278	2,701,781	2,702,263
2,720,918	298: 2,708,967	2,725,103	60: 2,703,620	2,710,277	2,703,302
115: 2,704,572	300: 2,707,023	2,725,104	2,703,621	22: 2,698,820	2,709,149
2,710,055	327: 2,728,390	2,728,396	2,714,930	2,701,224	2,709,669
2,728,384	328: 2,699,206	2,701,614	2,728,396	2,701,225	2,712,515
116: 2,703,609	2,705,997	2,701,615	63: 2,701,614	2,705,694	2,721,161
2,711,215	330: 2,712,354	2,707,027	2,707,998	2,710,822	2,721,162
118: 2,705,996	344: 2,718,922	2,716,450	2,707,999	2,713,018	2,728,707
2,728,385	345: 2,707,994	2,722,275	2,717,907	2,716,626	82: Re.24,090
123: 2,698,655	348: 2,708,479	2,712,852	2,715,943	2,717,850	2,702,264
2,722,977	2,710,653	73: 2,698,662	2,725,940	2,726,980	2,704,269
124: 2,699,821	2,718,923	2,715,941	2,728,397	2,706,700	2,714,084
2,705,531	2,724,434			2,726,188	
2,711,216					



167— 84: 2,702,780	170—160. 58: 2,718,268	178— 5.4: 2,701,821	178— 25: 2,708,218	179— 16: 2,713,613	179— 90: 2,708,221
84. 5: 2,709,670	165: 2,717,044	2,703,340	26: 2,716,156	2,717,278	2,716,160
87. 1: 2,707,697	2,720,928	2,704,783	2,723,308	2,719,882	2,717,280
2,717,228	172: 2,704,130	2,705,258	2,724,739	2,723,311	2,717,927
2,719,813	173: 2,702,087	2,706,216	31: 2,705,260	2,723,312	2,723,314
2,719,814	7: 2,716,148	2,706,217	2,708,688	2,725,426	100: 2,699,469
2,719,815	13: 2,725,416	2,710,308	35: 2,727,944	17: 2,702,831	100. 1: 2,702,315
88: 2,719,104	14: 2,713,081	2,710,309	39: 2,728,816	2,706,747	2,714,633
90: 2,698,824	17: 2,722,561	2,710,890	42: 2,716,157	2,707,725	100. 2: 2,698,882
93: 2,700,012	19: 2,702,311	2,712,568	43. 5: 2,711,443	2,717,279	2,700,073
2,700,636	2,727,938	2,713,083	2,719,877	18: 2,698,879	2,700,703
2,723,217	22: 2,707,722	2,713,604	2,724,740	2,698,880	2,702,316
94: 2,710,825	25: 2,709,197	2,713,605	2,725,425	2,698,881	2,702,833
95: 2,704,270	2,717,917	2,713,606	45: 2,727,945	2,699,467	2,702,834
168— 14: 2,705,536	28: 2,701,818	2,713,607	50: 2,714,627	2,700,070	2,702,835
24: 2,699,215	31: 2,720,551	2,713,608	2,716,158	2,700,071	2,704,789
169— 1: 2,699,216	33: 2,717,274	2,714,129	53: Re.24,069	2,700,702	2,704,790
2,700,423	35: 2,704,301	2,714,130	53. 1: 2,721,230	2,704,785	2,705,262
2,720,269	2,718,542	2,715,153	61: 2,701,276	2,704,786	2,706,752
4: 2,703,146	2,724,735	2,715,154	66: 2,698,876	2,705,743	2,707,212
2,706,005	2,727,084	2,715,155	2,707,209	2,706,221	2,707,729
2,706,527	37: 2,717,275	2,715,156	2,708,219	2,706,222	2,708,693
2,718,927	41: 2,708,686	2,717,276	69: 2,701,277	2,706,748	2,708,694
2,725,943	42: 2,727,085	2,717,918	2,712,038	2,706,749	2,709,204
6: 2,713,391	43: 2,705,737	2,718,546	2,713,085	2,707,726	2,711,445
9: 2,719,589	44: 2,710,888	2,720,553	2,715,157	2,707,727	2,712,572
2,724,444	45: 2,698,873	2,721,228	2,719,186	2,707,728	2,713,091
11: 2,704,127	50: 2,711,438	2,722,563	2,721,894	2,709,203	2,713,618
2,716,458	2,714,625	2,723,304	2,726,281	2,709,718	2,713,619
2,717,042	50. 53: 2,719,185	2,723,305	69. 5: 2,699,463	2,709,719	2,714,133
2,720,270	51: 2,727,086	2,723,306	2,704,306	2,709,720	2,715,659
16: 2,706,006	52: 2,706,742	2,724,013	2,704,307	2,711,444	2,717,281
17: 2,699,217	53: 2,713,082	2,724,737	2,708,689	2,713,614	2,717,282
19: 2,713,916	59: 2,707,203	2,725,418	2,709,717	2,713,615	2,717,928
25: 2,698,664	2,715,152	2,725,419	2,712,570	2,713,616	2,718,561
2,698,665	67: 2,709,198	2,725,420	2,713,086	2,714,628	2,718,562
26: 2,708,976	69: 2,704,782	2,725,421	2,713,610	2,714,629	2,719,884
2,723,722	75: 2,706,743	2,725,422	2,715,158	2,715,158	2,720,558
28: 2,702,599	2,719,875	2,727,090	2,715,159	2,715,159	2,721,905
31: 2,702,600	2,728,810	2,727,941	2,716,159	2,715,656	2,721,906
2,704,582	77: 2,715,654	2,728,812	2,717,922	2,716,159	2,722,569
2,708,482	2,716,672	2,728,813	2,718,553	2,717,923	2,723,315
2,710,658	2,718,543	2,728,814	2,718,554	2,717,924	2,723,316
2,719,590	2,719,876	2,728,815	2,720,555	2,717,925	2,724,021
170— 1. 5: 2,713,392	81: 2,714,128	5. 6: 2,704,304	2,721,231	2,717,926	2,725,430
34: 2,707,521	87: Re.24,074	5. 8: 2,700,065	2,721,895	2,719,880	2,726,286
135. 2: 2,712,855	88: 2,727,939	2,706,218	2,722,564	2,719,881	2,726,287
135. 22: 2,699,833	94: 2,716,149	2,707,206	2,726,282	2,721,233	2,726,288
2,702,084	99: 2,706,744	2,712,569	2,705,261	2,721,901	2,727,096
2,719,591	102: 2,711,439	6: 2,713,609	2,706,745	2,721,902	2,727,097
135. 28: 2,719,592	107: 2,722,562	2,716,152	2,715,655	2,721,903	2,727,098
2,726,725	109: 2,727,087	2,723,307	2,721,232	2,722,567	100. 3: 2,712,573
135. 4: 2,701,021	110: 2,707,204	2,727,942	2,722,565	2,722,568	2,717,283
2,702,601	2,708,215	6. 6: 2,698,875	2,710,891	2,723,313	2,722,570
2,703,624	113: 2,718,544	2,700,701	2,713,087	2,724,018	2,726,289
2,705,051	117: 2,701,819	2,705,259	92: 2,718,555	2,724,019	2,727,099
2,710,067	120: 2,707,205	2,709,716	115: 2,702,313	2,724,743	100. 41: 2,699,470
2,715,445	2,714,623	2,718,547	179— 1: 2,699,464	2,724,744	2,701,280
2,716,459	135: 2,727,088	6. 7: 2,707,207	2,705,742	2,724,745	2,702,317
2,717,043	138: 2,701,273	6. 8: 2,711,440	2,720,556	2,724,746	2,703,343
135. 7: 2,699,218	2,723,302	2,712,035	2,725,427	2,725,427	2,703,822
2,727,577	140: 2,699,462	2,725,423	2,721,896	2,725,428	2,711,446
135. 74: 2,699,219	146: 2,723,303	2,700,066	2,722,566	2,726,284	2,711,447
2,710,068	152: 2,716,150	2,702,312	1. 5: 2,700,068	2,727,094	2,717,929
2,725,108	153: 2,705,738	2,711,441	2,726,283	2,727,095	103: 2,722,571
2,727,578	2,707,723	2,716,153	2. 5: 2,721,897	2,727,947	107: 2,699,471
135. 75: 2,700,424	2,712,566	2,718,548	5: 2,699,465	2,710,893	2,703,344
2,704,128	2,724,736	2,724,738	2,719,878	2,724,746	114: 2,705,262
156: 2,728,401	156: 2,703,820	2,706,219	6: 2,698,877	2,702,832	115. 5: 2,699,473
159: 2,698,666	158: 2,721,891	2,709,200	2,699,466	2,703,342	2,699,473
2,702,085	161: 2,712,567	2,717,919	2,703,821	2,704,787	2,699,474
2,703,625	163: 2,703,337	2,718,549	2,709,202	2,704,788	2,714,134
2,708,483	2,720,552	2,720,554	2,713,088	2,706,750	2,727,949
2,712,356	164: 2,701,820	2,703,341	2,724,015	2,708,692	121: 2,702,318
2,715,446	2,718,545	2,706,220	2,724,016	2,713,089	146: 2,703,823
2,718,267	2,727,089	2,708,687	6. 3: 2,700,069	2,714,630	2,718,563
160. 1: 2,716,460	166: 2,726,280	2,709,201	2,707,724	2,715,160	148: 2,702,836
160. 11: 2,713,393	175: 2,704,302	2,710,310	7: 2,701,278	2,715,658	150: 2,712,039
160. 13: 2,721,615	179: 2,705,255	2,718,550	2,727,092	2,716,674	156: 2,717,930
160. 17: 2,702,086	2,705,256	2,725,424	7. 1: 2,702,314	2,718,556	2,720,559
2,724,445	188: 2,716,673	2,704,784	2,721,898	2,718,557	157: 2,703,824
160. 18: 2,720,927	2: 2,700,696	2,714,131	2,724,741	2,718,558	170. 2: 2,702,319
160. 2: 2,727,579	2,703,338	2,716,154	8. 5: 2,708,690	2,725,429	171: 2,698,883
160. 21: 2,722,985	2,706,215	2,707,920	2,708,691	2,726,285	2,700,074
160. 22: 2,705,537	2,709,199	2,718,551	15: 2,702,830	2,707,210	2,700,704
160. 25: 2,700,425	2,714,626	2,718,552	2,708,220	2,710,892	2,701,281
2,703,147	3: Re.23,990	2,700,700	2,719,187	2,719,188	2,702,837
2,705,538	4: 2,725,417	2,701,822	2,719,189	2,724,747	2,702,838
2,720,271	4. 1: 2,728,811	2,708,216	2,719,879	2,718,559	2,702,839
160. 26: 2,724,446	5: 2,701,274	2,712,036	2,720,557	42: 2,719,883	2,703,825
160. 29: 2,711,796	2,705,739	2,712,037	2,721,899	51: 2,700,073	2,704,792
160. 32: 2,703,148	5. 1: 2,705,740	2,713,084	2,723,309	2,727,948	2,704,792
2,704,583	5. 2: 2,703,339	2,716,155	2,717,921	81: 2,713,617	2,705,265
2,717,652	2,704,303	2,705,257	2,721,229	84: 2,704,308	2,707,730
160. 33: 2,702,602	2,705,741	2,710,889	2,724,014	2,706,751	2,709,205
2,706,007	2,710,889	2,716,151	2,727,091	2,710,311	2,709,206
2,724,447	2,721,892	2,721,893	2,727,943	2,713,090	2,710,312
160. 35: 2,699,220	2,721,893	2,700,067	17. 5: 2,700,067	2,714,632	2,710,313
160. 37: 2,727,580	2,727,940	2,704,305	18: 2,704,305	2,715,161	2,710,314
160. 47: 2,699,221	5. 4: 2,698,874	2,711,442	19: 2,711,442	2,718,560	2,710,315
160. 48: 2,715,447	2,700,697	2,700,697	22: 2,707,208	86: 2,712,571	2,710,894
160. 5: 2,720,272	2,700,698	2,701,823	25: 2,701,823	90: 2,701,279	2,712,040
160. 55: 2,717,653	2,701,275	2,708,217		2,706,223	2,712,574



179—	171:	2, 713, 620	180—	66:	2, 704, 131	183—	2:	2, 719, 595	183—	42:	2, 705, 545	184—	7:	2, 699, 842	188—	43:	2, 727, 593	
		2, 714, 135		68:	2, 715, 448		2. 5:	2, 705, 053			2, 726, 732			2, 708, 984		44:	2, 717, 663	
		2, 714, 136			2, 726, 727			2, 705, 543		43:	2, 719, 597			2, 715, 454		56:	2, 716, 468	
		2, 714, 137		68. 5:	2, 709, 494			2, 710, 664			2, 720, 277			2, 718, 281		59:	2, 702, 097	
		2, 714, 634			2, 710, 660			2, 714, 938			2, 722, 285			2, 719, 603			2, 707, 532	
		2, 714, 635		69:	2, 701, 024			2, 715, 450			2, 725, 115			2, 725, 119			2, 708, 491	
		2, 715, 660		70:	2, 712, 857			2, 718, 275		44:	2, 715, 453			2, 728, 415			2, 713, 400	
		2, 716, 161		75:	2, 722, 988			2, 718, 276			2, 718, 277		11:	2, 708, 985		62:	2, 724, 459	
		2, 716, 162		79. 2:	Re. 23, 978			2, 721, 620		46:	2, 701, 623			2, 714, 428		67:	2, 700, 436	
		2, 717, 931			2, 703, 149		2. 7:	2, 701, 620		49:	2, 719, 598			2, 717, 661		69:	2, 702, 098	
		2, 719, 190			2, 707, 523			2, 706, 015			2, 725, 116			2, 723, 004			2, 702, 609	
		2, 719, 191			2, 708, 004			2, 706, 531		51:	2, 698, 671		18:	2, 720, 942			2, 709, 504	
		2, 719, 192			2, 709, 495			2, 710, 071			2, 700, 430		24:	2, 699, 843		72:	2, 701, 626	
		2, 719, 885			2, 711, 797			2, 713, 919			2, 705, 054		27:	2, 710, 670			2, 706, 018	
		2, 721, 907			2, 728, 404			2, 721, 621			2, 708, 982			2, 710, 671			2, 720, 286	
		2, 721, 908		79. 4:	2, 706, 010			2, 726, 729			2, 710, 667		55:	2, 702, 094			2, 720, 943	
		2, 721, 909		82:	2, 704, 132			2, 728, 406			2, 718, 278			2, 705, 547		74:	2, 720, 287	
		2, 724, 022			2, 708, 005		4. 1:	2, 703, 628			2, 719, 599			2, 707, 529		76:	2, 700, 437	
		2, 724, 023			2, 725, 947			2, 709, 496			2, 719, 600			2, 710, 073			2, 701, 627	
		2, 726, 290		82. 1:	2, 699, 834			2, 717, 050		52:	2, 725, 117			2, 710, 672			2, 710, 675	
		2, 726, 291			2, 708, 979		4. 2:	2, 712, 361		54:	2, 723, 725			2, 710, 673		77:	2, 703, 155	
		2, 727, 100			2, 724, 451		4. 5:	2, 727, 585		57:	2, 723, 726			2, 718, 934		78:	2, 709, 505	
		2, 727, 950			2, 726, 728		4. 7:	2, 699, 837		58:	2, 714, 426			2, 719, 604			2, 710, 075	
		2, 728, 818		83:	2, 720, 275			2, 706, 532			2, 722, 994		56:	2, 712, 364			2, 710, 076	
		2, 709, 721		89:	2, 699, 223		4. 8:	2, 702, 089			2, 722, 995		91:	2, 715, 949			2, 712, 367	
173:		2, 709, 722			2, 700, 428			2, 728, 407			2, 722, 996		102:	2, 700, 432			2, 718, 284	
175. 2:		2, 715, 162		90:	2, 720, 932		6:	2, 725, 950			2, 725, 953		103:	2, 722, 286			2, 718, 936	
		2, 717, 284		90. 6:	2, 712, 359			2, 728, 408		59:	2, 703, 630		105:	2, 706, 017			2, 724, 460	
		2, 719, 886			2, 721, 616		7:	2, 698, 669		60:	2, 713, 921			2, 719, 605			2, 724, 461	
		2, 721, 910			2, 721, 616			2, 699, 224			2, 722, 997			2, 720, 283			2, 728, 418	
		2, 727, 951		181—	. 5: Re. 23, 919			2, 700, 429		62:	2, 704, 136	185—	37:	2, 710, 674		79. 5:	2, 701, 628	
		2, 705, 744			2, 699, 835			2, 701, 028			2, 709, 499			2, 723, 727			2, 714, 941	
		2, 721, 235			2, 702, 604			2, 701, 621			2, 722, 998			2, 725, 120		80:	2, 704, 138	
		2, 727, 101			2, 703, 150			2, 701, 622		63:	2, 706, 016		38:	2, 713, 399		82. 3:	2, 709, 506	
		2, 726, 292			2, 704, 364			2, 702, 090			2, 718, 933		39:	2, 717, 055		82. 6:	2, 724, 462	
		2, 709, 723			2, 706, 011			2, 704, 134		67:	2, 720, 278			2, 718, 282		82. 7:	2, 699, 229	
		2, 717, 932			2, 707, 524			2, 704, 135			2, 728, 411		41:	2, 719, 606		82. 9:	2, 703, 633	
185:		2, 700, 075			2, 708, 485			2, 705, 544		68:	2, 713, 398			2, 727, 590		83:	2, 699, 230	
180—	1:	2, 700, 426			2, 710, 070			2, 706, 533		69:	2, 717, 659		45:	2, 721, 627		84:	2, 701, 034	
		2, 708, 002			2, 710, 661			2, 708, 007			2, 724, 457	186—	1:	2, 700, 433		86:	2, 698, 674	
		2, 717, 045			2, 713, 395			2, 708, 008		70:	2, 701, 624			2, 715, 950		88:	2, 698, 675	
		2, 725, 944			2, 717, 656			2, 708, 008		71:	2, 720, 279			2, 722, 287			2, 699, 844	
	2:	2, 708, 977			2, 718, 928			2, 708, 486			2, 720, 937			2, 723, 728			2, 699, 845	
	3:	2, 700, 427			2, 718, 929			2, 708, 487		73:	2, 705, 546	187—	6:	2, 725, 957			2, 702, 099	
	5:	2, 702, 088			2, 718, 930			2, 708, 488		75:	2, 720, 938		8. 41:	2, 702, 606			2, 710, 077	
		2, 706, 528			2, 720, 933			2, 708, 980		77:	2, 709, 500			2, 708, 986			2, 713, 401	
	6. 2:	2, 713, 917			2, 720, 934			2, 709, 497		80:	2, 709, 501		8. 49:	2, 721, 628			2, 717, 058	
	6. 24:	2, 725, 945			2, 721, 617			2, 711, 224			2, 712, 859			2, 708, 987			2, 717, 669	
	6. 28:	2, 712, 357			2, 722, 282			2, 711, 225		81:	2, 717, 054		8. 75:	2, 704, 584			2, 718, 285	
	6. 32:	2, 718, 269			2, 724, 452			2, 711, 226		82:	2, 727, 586			2, 708, 988			2, 719, 611	
	6. 36:	2, 728, 402			2, 724, 453			2, 712, 362		83:	2, 698, 672			2, 713, 922			2, 719, 612	
	6. 48:	2, 725, 109			2, 728, 405			2, 712, 858		92:	2, 709, 502		9:	2, 701, 031			2, 720, 944	
	6. 7:	2, 722, 986		18:	2, 705, 052			2, 713, 920		114. 2:	2, 710, 668			2, 702, 607			2, 722, 288	
	7:	2, 713, 394		24:	2, 719, 594			2, 714, 939			2, 722, 999			2, 706, 535			2, 723, 006	
	9. 1:	2, 698, 667			2, 722, 989			2, 715, 944			2, 723, 000			2, 711, 227			2, 728, 419	
		2, 702, 603		27:	2, 727, 583			2, 717, 051			2, 726, 733		10:	2, 702, 095		89:	2, 722, 289	
		2, 707, 522		30:	2, 701, 025			2, 717, 052		114. 6:	2, 708, 490		11:	Re. 24, 100		90:	2, 699, 846	
		2, 708, 978			2, 715, 449			2, 717, 053		115:	2, 700, 431			2, 698, 673			2, 716, 469	
		2, 714, 933		31:	2, 704, 133			2, 721, 622			2, 703, 154		14:	2, 719, 607			2, 718, 937	
		2, 722, 280			2, 706, 529			2, 722, 283			2, 714, 940		17:	2, 707, 530			2, 720, 945	
	11:	2, 710, 659			2, 710, 662			2, 722, 284			2, 715, 947		26:	2, 701, 032			2, 727, 594	
		2, 728, 403			2, 713, 396			2, 722, 992			2, 719, 601		29:	2, 699, 226		96:	2, 714, 429	
	12:	2, 727, 581			2, 717, 046			2, 726, 730			2, 720, 280			2, 699, 227			2, 716, 470	
	14:	2, 724, 448			2, 718, 272			2, 726, 731			2, 723, 001			2, 701, 033		97:	2, 720, 946	
	14. 5:	2, 720, 929			2, 718, 931		9:	2, 710, 665			2, 726, 734			2, 709, 503			2, 723, 007	
		2, 720, 930			2, 718, 932		15:	2, 698, 670			2, 727, 587			2, 711, 799		100:	2, 714, 942	
		2, 725, 110			2, 722, 990			2, 701, 029			2, 727, 588			2, 712, 365			2, 726, 737	
	15:	2, 712, 856			2, 722, 991			2, 709, 498		119:	2, 702, 091			2, 712, 860		101:	2, 724, 463	
	19:	2, 701, 616		32:	2, 712, 360			2, 724, 455			2, 708, 983			2, 717, 056		106:	2, 700, 438	
		2, 706, 008			2, 716, 462		21:	2, 725, 951			2, 720, 281			2, 718, 935		110:	2, 702, 100	
		2, 708, 484			2, 717, 047		22:	2, 708, 981			2, 721, 626			2, 726, 735		112:	2, 706, 536	
		2, 709, 493		33:	2, 701, 617			2, 728, 409			2, 715, 948			2, 727, 591			2, 716, 471	
		2, 710, 069			2, 701, 618		23:	2, 717, 657			2, 718, 279			2, 727, 592		122:	2, 706, 019	
		2, 714, 934			2, 703, 627		27:	2, 721, 623		120:	2, 699, 225			2, 728, 416		129:	2, 701, 629	
		2, 714, 935			2, 706, 530		28:	2, 715, 451			2, 719, 602			2, 728, 417			2, 702, 610	
		2, 722, 281			2, 713, 397		32:	2, 703, 151		121:	2, 720, 939			2, 728, 417			2, 703, 156	
		2, 725, 946			2, 714, 937			2, 707, 526		184—	1:	2, 699, 839		48:	2, 720, 284			2, 715, 952
	22:	2, 698, 668			2, 724, 454			2, 715, 945			2, 702, 092		</					



188—	196: 2, 724, 464	189—	46: 2, 698, 677	191—	59. 1: 2, 700, 707	192—	43. 1: 2, 708, 990	192—	105: 2, 704, 142	195—	80: 2, 709, 672
198:	2, 699, 231		2, 700, 441		2, 709, 724		2, 715, 955		2, 707, 542		96: 2, 715, 602
199:	2, 712, 861		2, 706, 543		2, 712, 041		2, 720, 296		2, 718, 294	103. 5:	2, 708, 178
200:	2, 719, 613		2, 707, 535	192—	. 02: 2, 717, 672	45:	2, 699, 238		2, 718, 952	107:	2, 703, 304
205:	2, 712, 862		2, 708, 013		. 033: 2, 728, 427		2, 699, 239		2, 720, 300	114:	2, 712, 517
206:	2, 702, 102		2, 710, 080		. 034: 2, 727, 598		2, 705, 552		2, 720, 301	125:	2, 705, 215
	2, 725, 124		2, 716, 472		. 048: 2, 727, 599		2, 718, 948		2, 725, 134	126:	2, 706, 702
210:	2, 706, 537		2, 717, 061		. 07: 2, 707, 539	45. 1:	2, 705, 066	107:	2, 723, 016	142:	2, 701, 229
	2, 707, 533		2, 717, 062		. 073: Re. 24, 049		2, 707, 540		2, 725, 966	196—	1: 2, 712, 518
212:	2, 710, 676		2, 717, 063		. 075: 2, 722, 296		2, 711, 238	109:	2, 720, 958		2, 724, 681
	2, 723, 008		2, 717, 064		. 08: 2, 720, 295		2, 717, 677	111:	2, 703, 164	8:	2, 710, 278
218:	2, 702, 613		2, 717, 666		. 092: 2, 703, 636		2, 724, 471	113:	2, 706, 549		2, 719, 816
	2, 708, 492		2, 718, 291		. 094: 2, 714, 434		2, 724, 472		2, 713, 928		2, 726, 191
	2, 722, 290		2, 721, 634		. 096: 2, 702, 615	46:	2, 699, 852		2, 722, 304	11:	2, 725, 337
	2, 728, 421		2, 721, 635				2, 719, 619	125:	2, 708, 498	13:	2, 713, 552
221. 1:	2, 706, 021		2, 722, 295			47:	2, 700, 442	129:	2, 698, 680		2, 721, 164
222. 6:	2, 707, 534		2, 723, 732				2, 718, 949		2, 701, 043		2, 723, 218
223. 1:	2, 702, 614		2, 725, 960		. 098: 2, 721, 637		2, 721, 638		2, 709, 509		2, 723, 940
	2, 722, 291		2, 726, 744		1: 2, 706, 025	48:	2, 699, 240		2, 713, 407		2, 728, 708
	2, 726, 740		2, 726, 745		2: 2, 720, 951		2, 699, 853	130:	2, 718, 953	14:	2, 722, 498
226. 1:	2, 722, 292	64:	Re. 24, 077		3: 2, 703, 637		2, 708, 991	131:	2, 699, 241	14. 11:	Re. 24, 025
242:	2, 711, 801		2, 701, 631				2, 714, 436	138:	2, 727, 613		2, 700, 637
244:	2, 722, 293		2, 721, 636				2, 718, 950	142:	2, 707, 041	14. 12:	2, 701, 783
251:	2, 713, 923	65:	2, 720, 950				2, 727, 606		2, 712, 374		2, 704, 738
259:	2, 708, 010	66:	2, 708, 014				2, 713, 403	148:	2, 728, 431	14. 15:	2, 717, 229
264:	2, 701, 037	67:	2, 720, 292				2, 713, 404	2:	2, 717, 068	14. 17:	2, 727, 848
	2, 708, 011	69:	2, 699, 232				2, 723, 009		2, 720, 302	14. 19:	2, 724, 682
	2, 711, 802		2, 708, 015				2, 724, 469		2, 727, 614	14. 4:	2, 719, 105
	2, 717, 059	73:	2, 711, 232		3. 2:		2, 725, 962	193—	5: 2, 724, 476	14. 42:	2, 717, 854
	2, 720, 947	75:	Re. 24, 027				2, 699, 236		6: 2, 711, 240	14. 46:	2, 719, 107
	2, 726, 741		2, 703, 158				2, 699, 237		10: 2, 713, 929	17:	2, 703, 305
	2, 726, 742		2, 705, 062				2, 699, 849		11: 2, 717, 681	18:	2, 723, 942
	2, 728, 422		2, 711, 233				2, 702, 616		17: 2, 728, 432	19:	2, 722, 499
189—	1: 2, 702, 346		2, 714, 430				2, 717, 673		25: 2, 702, 108	20:	2, 713, 022
	2, 706, 538		2, 714, 431				2, 718, 944		32: 2, 713, 408	21:	2, 708, 652
	2, 715, 953		2, 718, 942				2, 719, 616		34: 2, 708, 019	22:	2, 702, 266
	2, 717, 060		2, 719, 614				2, 720, 952		35: 2, 702, 620	23:	2, 703, 306
1. 5:	2, 721, 630		2, 719, 615				2, 723, 735			24:	2, 708, 179
2:	2, 701, 038		2, 727, 596				2, 727, 601			27:	2, 703, 780
	2, 712, 863	76:	2, 703, 159		3. 5:		2, 706, 544			28:	2, 706, 703
3:	2, 708, 012		2, 704, 588				2, 714, 435			29:	2, 717, 856
11:	2, 701, 039		2, 707, 536				2, 720, 953			30:	2, 699, 420
	2, 703, 634		2, 717, 667				2, 726, 746			31:	2, 707, 538
	2, 711, 803	78:	2, 699, 233				2, 726, 747			32:	2, 710, 677
13:	2, 705, 061		2, 701, 041				2, 703, 161			33:	2, 704, 586
14:	2, 713, 402		2, 714, 432		4:		2, 705, 551			34:	2, 704, 587
	2, 715, 954		2, 727, 597				2, 707, 037				2, 705, 549
	2, 725, 959	82:	2, 707, 537				2, 712, 369				2, 706, 541
15:	2, 706, 539	84:	2, 705, 550				2, 719, 617				2, 710, 079
	2, 706, 540	85:	2, 702, 104				2, 720, 294				2, 710, 678
	2, 711, 804		2, 708, 016				2, 720, 954				2, 711, 231
26:	2, 702, 103		2, 710, 081				2, 722, 297				2, 717, 664
	2, 708, 493	86:	2, 717, 668				2, 723, 010				2, 718, 287
	2, 718, 940	88:	2, 699, 234				2, 725, 128				2, 718, 288
28:	2, 718, 941		2, 725, 126				2, 725, 129				2, 718, 289
	2, 721, 631		2, 725, 127				2, 725, 130				2, 720, 289
31:	2, 705, 548	90:	2, 712, 864				2, 725, 131				2, 720, 948
31. 4:	2, 707, 034	92:	2, 704, 139				2, 727, 602				2, 720, 949
	2, 712, 368		2, 712, 865				2, 727, 603				2, 723, 730
31. 5:	2, 706, 022		2, 723, 733				2, 728, 428				2, 724, 465
	2, 706, 023	190—	6: 2, 714, 433				2, 728, 428				2, 727, 595
	2, 723, 729	16:	2, 707, 538				2, 710, 085				2, 728, 423
32:	2, 710, 677		2, 713, 925				2, 727, 604				2, 728, 423
33:	2, 704, 586		2, 717, 670				2, 703, 162				2, 701, 040
34:	2, 704, 587	26:	2, 711, 234				2, 706, 026				2, 703, 157
	2, 705, 549		2, 724, 467				2, 719, 618				2, 703, 635
	2, 706, 541	28:	2, 704, 140				2, 722, 298				2, 706, 542
	2, 710, 079		2, 714, 945				2, 723, 736				2, 708, 494
	2, 710, 678	37:	2, 724, 468				2, 723, 737				2, 710, 679
	2, 711, 231	41:	2, 699, 235				2, 725, 132				2, 711, 805
	2, 717, 664		2, 710, 082				2, 699, 850				2, 713, 924
	2, 718, 287		2, 717, 671				2, 711, 236				2, 714, 944
	2, 718, 288		2, 723, 734				2, 712, 370				2, 717, 665
	2, 718, 289	42:	2, 710, 083				2, 699, 851				2, 720, 290
	2, 720, 289	43:	2, 702, 106				2, 702, 106				2, 720, 291
	2, 720, 948		2, 710, 084				2, 706, 545				2, 721, 632
	2, 720, 949		2, 718, 943				2, 708, 017				2, 721, 633
	2, 723, 730		2, 728, 426				2, 718, 945				2, 722, 290
	2, 724, 465	45:	2, 699, 848				2, 720, 955				2, 722, 291
	2, 727, 595	49:	2, 708, 495				2, 724, 470				2, 722, 292
	2, 728, 423		2, 716, 473				2, 725, 963				2, 722, 293
36:	2, 701, 040	51:	2, 705, 063				2, 727, 605				2, 722, 294
	2, 703, 157	52:	2, 707, 035				2, 717, 674				2, 722, 294
	2, 703, 635	57:	Re. 24, 067				2, 705, 064				2, 722, 294
	2, 706, 542		2, 703, 160				2, 709, 507				2, 722, 294
	2, 708, 494		2, 713, 926				2, 712, 371				2, 722, 294
	2, 710, 679		2, 717, 065				2, 713, 927				2, 722, 294
	2, 711, 805	58:	2, 706, 024				2, 717, 675				2, 722, 294
	2, 713, 924	61:	2, 708, 989				2, 718, 946				2, 722, 294
	2, 714, 944	191—	1: 2, 702, 320				2, 725, 133				2, 722, 294
	2, 717, 665		2, 704, 793				2, 712, 866				2, 722, 294
	2, 720, 290		2, 704, 794				2, 717, 676				2, 722, 294
	2, 720, 291		2, 717, 285				2, 718, 947				2, 722, 294
	2, 721, 632	8:	2, 722, 572				2, 723, 011				2, 722, 294
	2, 721, 633	12:	2, 725, 431				2, 722, 299				2, 722, 294
	2, 723, 731	12. 2:	2, 709, 220				2, 716, 475				2, 722, 294
	2, 728, 424		2, 720, 560				2, 720, 956				2, 722, 294
36. 5:	2, 699, 847	14:	2, 703, 345				2, 728, 429				2, 722, 294
	2, 728, 425	23:	2, 700, 705				2, 711, 237				2, 722, 294
37:	2, 711, 806		2, 716, 675				2, 723, 012				2, 722, 294
	2, 722, 294		2, 728, 819				2, 718, 292				2, 722, 294
	2, 726, 743	28:	2, 700, 706				2, 698, 678				2, 722, 294
39:	2, 725, 125	35:	2, 704, 309				2, 705, 065				2, 722, 294
43:	2, 724, 466	37:	2, 727, 102				2, 707, 038				2, 722, 294
45:	2, 718, 290	38:	2, 710, 316				2, 723, 013				2, 722, 294
											2, 722, 294
											2, 722, 294
											2, 722, 294



196—	49:	2, 702, 782	197—	66:	2, 720, 960	198—	33:	2, 707, 547	198—	208:	2, 718, 297	200—	51. 09:	2, 728, 823	200—	84:	2, 726, 296	
		2, 703, 308		68:	2, 724, 479			2, 708, 502			2, 725, 976		51. 1:	2, 703, 830		85:	2, 706, 755	
		2, 707, 163		70:	2, 710, 088			2, 713, 934		210:	2, 711, 817		51. 16:	2, 707, 733		86:	2, 700, 080	
		2, 710, 826			2, 718, 295			2, 715, 957			2, 717, 689			2, 726, 293			2, 728, 827	
		2, 710, 827		81:	2, 702, 621			2, 716, 480		211:	2, 701, 634		52:	2, 708, 224		86. 5:	2, 718, 566	
		2, 717, 862		82:	2, 728, 436			2, 718, 957			2, 717, 690			2, 712, 575		87:	2, 699, 477	
		2, 718, 491		84:	2, 699, 859			2, 719, 624		213:	2, 721, 647			2, 722, 575			2, 702, 841	
		2, 727, 853			2, 701, 632			2, 720, 962			2, 723, 021		56:	2, 722, 576			2, 703, 348	
50:		2, 698, 829			2, 705, 554			2, 723, 743		218:	2, 710, 684			2, 724, 027			2, 706, 756	
		2, 700, 013			2, 712, 375			2, 724, 487			2, 723, 022		61. 05:	2, 714, 139			2, 709, 728	
		2, 700, 638			2, 727, 615			2, 725, 137		220:	2, 705, 070			2, 716, 165			2, 714, 141	
		2, 700, 639		91:	2, 701, 045			2, 725, 971			2, 713, 414			2, 726, 294			2, 714, 642	
		2, 701, 230			2, 728, 437			2, 727, 616			2, 713, 415		61. 12:	2, 728, 824			2, 718, 567	
		2, 711, 385		102:	2, 714, 949			2, 728, 444		221:	2, 699, 862		61. 18:	2, 702, 326			2, 718, 568	
		2, 717, 230		107:	2, 720, 961		34:	Re 24, 103		230:	2, 724, 493			2, 712, 042			2, 719, 890	
		2, 717, 231		113:	2, 711, 810			2, 703, 169		199—	18:	2, 701, 051			2, 713, 621		2, 721, 241	
		2, 717, 863		114:	2, 717, 070			2, 714, 440			2, 704, 595		61. 25:	2, 714, 636			2, 725, 439	
		2, 717, 864			2, 728, 438			2, 725, 138			2, 704, 596			2, 716, 167			2, 725, 440	
		2, 719, 111		126:	2, 704, 145		35:	2, 701, 633			2, 708, 505		61. 26:	2, 725, 434		88:	2, 700, 709	
		2, 721, 167			2, 720, 303			2, 704, 593			2, 708, 506		61. 33:	2, 710, 317			2, 700, 710	
		2, 722, 503			2, 725, 967			2, 718, 958		23:	2, 723, 023		61. 34:	2, 702, 327			2, 709, 729	
		2, 723, 946			2, 725, 968			2, 721, 644		26:	2, 721, 648			2, 714, 140			2, 712, 043	
		2, 723, 947		128:	2, 702, 622		37:	2, 708, 503		27:	2, 714, 951			2, 722, 577			2, 716, 679	
		2, 725, 341		129:	2, 703, 642			2, 714, 950		45:	2, 703, 171			2, 724, 750			2, 718, 569	
		2, 726, 195			2, 705, 068		40:	2, 725, 972			2, 708, 507			2, 725, 435			2, 719, 197	
		2, 726, 196		133:	2, 724, 480		41:	2, 708, 022		50:	2, 699, 863			2, 728, 825		89:	2, 700, 081	
		2, 726, 994		135:	2, 718, 955			2, 726, 752			2, 707, 549		61. 37:	2, 710, 318			2, 701, 828	
		2, 727, 854			2, 721, 642		42:	2, 718, 959			2, 712, 380		61. 39:	2, 725, 436			2, 710, 895	
		2, 728, 712		136:	2, 707, 545		43:	2, 701, 047		51:	2, 723, 024		61. 41:	2, 715, 165			2, 712, 577	
		2, 728, 713		138:	2, 713, 932		44:	2, 707, 045		53:	2, 706, 553		61. 42:	2, 701, 826			2, 713, 622	
52:		2, 700, 641		143:	2, 717, 687		51:	2, 708, 998		200—	1:	2, 727, 103		61. 44:	2, 710, 319			2, 727, 958
		2, 701, 231		151:	2, 699, 244		53:	2, 701, 048		4:	2, 702, 321		61. 45:	2, 698, 886		90:	2, 718, 570	
		2, 701, 232			2, 702, 109		56:	2, 699, 248			2, 703, 346			2, 716, 168			2, 719, 891	
		2, 701, 785			2, 702, 623		64:	2, 711, 814			2, 709, 725		61. 47:	2, 716, 169			2, 725, 441	
		2, 702, 267		160:	2, 725, 969		65:	2, 707, 548		5:	2, 701, 825			2, 721, 912		92:	2, 698, 888	
		2, 704, 739		161:	2, 723, 741		84:	2, 699, 249			2, 713, 092			2, 723, 321		93:	2, 699, 478	
		2, 704, 740		171:	2, 699, 245			2, 726, 753			2, 722, 573		61. 49:	2, 705, 267			2, 722, 581	
		2, 704, 741			2, 724, 489		88:	2, 704, 148			2, 723, 317			2, 721, 237		97:	2, 716, 171	
		2, 705, 216		172:	2, 728, 439			2, 719, 625		6:	2, 703, 826		61. 5:	2, 716, 166			2, 717, 288	
		2, 706, 168		177:	2, 709, 511		89:	2, 704, 149			2, 706, 753		61. 51:	2, 721, 238		98:	2, 700, 082	
		2, 706, 704			2, 723, 019		101:	2, 721, 645			2, 711, 448		61. 52:	2, 700, 708			2, 723, 323	
		2, 707, 701		186:	2, 703, 167		104:	2, 706, 032			2, 711, 449			2, 708, 226		103:	2, 715, 166	
		2, 709, 673		187:	2, 717, 688			2, 726, 754			2, 716, 163		61. 53:	2, 702, 328		104:	2, 707, 735	
		2, 710, 279		189:	2, 710, 681		105:	2, 718, 960			2, 716, 676			2, 713, 097			2, 719, 892	
		2, 711, 386			2, 711, 811		109:	2, 722, 306			2, 723, 318		61. 54:	2, 716, 677		105:	2, 701, 283	
		2, 714, 085			2, 714, 438		118:	2, 712, 869		11:	2, 698, 884		61. 55:	2, 708, 695			2, 710, 896	
		2, 719, 112			2, 718, 956		120. 5:	2, 702, 113			2, 715, 661		61. 62:	2, 721, 239			2, 721, 914	
		2, 719, 113			2, 728, 440			2, 709, 514			2, 721, 911		61. 63:	2, 716, 170		106:	2, 700, 711	
		2, 722, 504			2, 728, 441			2, 713, 411			2, 724, 024		61. 67:	2, 725, 437			2, 709, 730	
		2, 723, 223		198—	1:	2, 703, 168		121:	2, 710, 090		12:	2, 704, 310		61. 76:	2, 727, 954			2, 712, 578
		2, 723, 224			7:	2, 726, 750		126:	2, 708, 504		16:	2, 709, 726		61. 78:	2, 727, 955		108:	2, 704, 311
		2, 723, 948			8:	2, 701, 046		127:	2, 700, 451			2, 722, 574		61. 79:	2, 700, 078			2, 709, 731
		2, 723, 949			2, 721, 643			2, 701, 049			2, 725, 432		61. 82:	2, 717, 933			2, 710, 320	
		2, 724, 686			9:	2, 711, 244			2, 712, 377			2, 728, 820		61. 83:	2, 701, 282		109:	2, 725, 442
		2, 726, 197			2, 724, 481		131:	2, 704, 594		17:	2, 713, 093		61. 86:	2, 727, 106		110:	2, 716, 680	
		2, 726, 995		12:	2, 708, 500			2, 715, 958		18:	2, 703, 827		61. 88:	2, 705, 268		112:	2, 727, 959	
		2, 728, 714		14:	2, 713, 933		134:	2, 706, 552			2, 707, 213			2, 722, 578		113:	2, 700, 083	
53:		2, 700, 014		16:	2, 708, 997		135:	2, 720, 963			2, 711, 448		61. 89:	2, 707, 214			2, 703, 349	
		2, 700, 015			2, 723, 020		137:	2, 703, 643		21:	2, 718, 564			2, 716, 678			2, 704, 312	
		2, 706, 705		19:	2, 709, 512		144:	2, 718, 961		24:	2, 700, 076		67:	2, 700, 079			2, 706, 757	
		2, 708, 180			2, 716, 478		148:	2, 702, 625		25:	2, 723, 319			2, 709, 727			2, 713, 623	
		2, 709, 151			2, 716, 479		158:	2, 713, 935			2, 724, 025			2, 719, 193			2, 719, 893	
		2, 715, 603			2, 719, 623		170:	2, 714, 441		27:	2, 703, 347			2, 725, 438		114:	Re. 24, 023	
		2, 717, 865			2, 725, 970		171:	2, 724, 488			2, 711, 451			2, 727, 107			2, 710, 321	
55:		2, 717, 866		20:	2, 707, 546		172:	2, 718, 962			2, 715, 163			2, 727, 108			2, 720, 565	
		2, 719, 114			2, 710, 682		175:	2, 703, 170			2, 716, 164			2, 727, 956		115. 5:	2, 700, 712	
		2, 719, 818			2, 711, 812		176:	2, 699, 250		30:	2, 709, 207			2, 728, 826			2, 707, 736	
		2, 726, 996			2, 713, 409		177:	2, 702, 114			2, 713, 094		68:	2, 714, 637			2, 720, 566	
		2, 726, 996		21:	2, 700, 448			2, 708, 999			2, 715, 164			2, 714, 638		116:	Re. 23, 971	
		2, 726, 996			2, 702, 110			2, 713, 936			2, 720, 561			2, 714, 639			2, 700, 713	
		2, 726, 996			2, 713, 410			2, 714, 442			2, 727, 104		69:	2, 714, 639			2, 701, 284	
		2, 726, 996			2, 724, 482			2, 721, 646			2, 713, 095		70:	2, 707, 734			2, 701, 829	
		2, 726, 996		24:	2, 704, 592			2, 725, 973		31:	2, 713, 096		76:	2, 724, 028			2, 703, 350	
		2, 726, 997			2, 711, 245		179:	2, 700, 452			2, 717, 286		77:	2, 722, 579			2, 703, 351	
		2, 728, 715			2, 722, 305		182:	2, 701, 050			2, 724, 748		80:	2, 699, 475			2, 704, 313	
		2, 728, 716			2, 724, 483			2, 706, 033			2, 724, 749			2, 703, 831			2, 704, 313	
		2, 728, 716			2, 724, 484			2, 713, 412										



200— 131: 2,703,352 2,727,961 133: 2,700,085 2,726,298 135: 2,720,567 136: 2,698,889 136.3: 2,702,843 2,711,456 2,728,829 137: 2,705,745 2,705,746 2,705,747 2,711,457 2,713,099 2,716,172 2,718,571 2,719,198 2,721,915 2,725,443 138: 2,699,479 2,701,830 2,705,269 2,707,215 2,707,216 2,707,738 2,709,732 2,712,046 2,713,624 2,714,643 2,714,644 2,715,167 2,715,168 2,716,173 2,716,174 2,716,175 2,716,682 2,716,683 2,717,289 2,717,936 2,717,937 2,718,572 2,719,894 2,719,895 2,720,568 2,722,582 2,724,029 2,724,753 2,726,299 2,727,962 139: 2,698,890 2,699,480 2,702,844 2,703,832 2,713,100 2,716,176 2,719,199 2,726,300 140: 2,699,481 2,700,716 2,705,270 2,711,458 2,711,459 2,712,579 2,714,143 2,715,664 2,717,290 2,717,291 2,717,938 2,718,573 2,718,574 2,719,200 2,719,201 2,719,202 2,724,030 2,725,444 2,726,301 2,728,830 142: 2,702,330 2,704,314 2,704,797 2,707,217 2,709,209 2,709,210 2,709,733 2,723,325 2,726,302 144: 2,700,086 2,707,218 2,707,739 2,708,698 2,709,734 2,709,735 2,717,292 2,719,203 2,721,916 2,724,754 2,725,445 145: 2,701,831 2,724,755 146: 2,707,219 2,708,699 2,709,736 2,710,322 2,710,897 2,714,144	200— 147: 2,704,315 2,713,101 2,725,446 2,727,111 2,727,963 148: 2,706,758 2,708,700 2,709,737 2,711,460 149: 2,717,939 150: 2,705,748 2,707,740 2,714,645 2,717,293 2,717,294 2,724,756 152: 2,705,271 2,709,738 2,719,896 2,720,569 2,727,112 153: 2,700,717 2,710,323 2,714,145 2,719,897 154: 2,708,225 2,708,227 155: 2,724,031 157: 2,711,461 158: 2,713,102 159: 2,712,047 2,717,295 162: 2,699,482 2,714,646 163: 2,722,583 165: 2,727,964 166: 2,700,087 2,700,088 2,700,718 2,702,331 2,705,272 2,706,759 2,707,220 2,707,741 2,712,580 2,712,581 2,715,169 2,716,684 2,717,296 2,717,297 2,717,940 2,719,204 2,721,243 2,722,584 2,724,757 2,727,113 2,727,114 167: 2,701,286 2,713,103 2,723,326 168: 2,703,353 2,707,221 2,711,462 2,713,104 2,715,665 2,717,298 2,717,941 2,718,575 2,721,244 2,723,327 2,723,328 2,727,115 2,727,116 2,727,965 2,727,966 170: 2,709,739 172: 2,701,287 2,701,288 2,702,845 2,712,582 2,719,898 2,723,329 2,724,032 2,726,303 201— 48: 2,704,798 2,716,685 2,719,205 2,720,570 2,724,033 2,724,758 2,724,759 2,724,760 2,726,304 49: 2,721,917 51: 2,714,146 2,720,571 2,727,117 52: 2,710,898 55: 2,700,719 2,704,316 2,705,273 2,705,749 2,706,760 2,712,583 2,717,942	201— 55: 2,717,943 2,717,944 2,720,572 2,721,245 2,722,585 56: 2,707,222 2,712,584 2,724,034 62: 2,704,799 2,704,800 2,706,230 2,707,811 2,711,463 2,714,147 63: 2,700,089 2,700,720 2,701,289 2,701,832 2,703,354 2,703,833 2,705,274 2,708,701 2,709,211 2,710,324 2,710,325 2,710,899 2,711,464 2,712,048 2,713,625 2,714,148 2,714,149 2,715,666 2,715,667 2,716,686 2,717,299 2,717,945 2,718,576 2,720,573 2,721,246 2,721,918 2,721,919 2,722,586 2,722,587 2,724,761 2,725,447 2,726,305 2,727,118 2,727,119 2,727,968 2,728,831 2,728,832 2,728,833 2,728,834 2,728,835 2,728,836 2,726,306 64: 2,703,355 67: 2,703,834 2,718,577 2,721,247 2,727,120 2,727,121 2,728,837 69: 2,721,920 2,725,448 73: 2,707,223 2,710,900 2,717,946 2,717,947 74: 2,702,332 75: 2,703,356 3: 2,725,346 6: 2,699,421 2,709,152 2,710,828 2,723,225 2,725,347 8: 2,719,115 9: 2,705,697 2,723,951 12: 2,709,153 13: 2,710,280 14: 2,700,017 2,700,642 2,701,787 2,701,788 2,709,676 2,711,387 2,717,867 2,723,226 2,725,348 2,725,349 2,726,998 16: 2,700,018 23: 2,707,702 2,709,675 26: 2,706,706 28: 2,721,168 31: 2,716,628 2,717,868 2,721,169 33: 2,717,869 39: 2,712,519 2,714,573 2,715,604	202— 39.5: 2,698,831 2,704,271 2,706,707 2,707,164 2,710,829 2,716,629 2,718,492 2,721,170 2,726,999 40: 2,700,643 2,713,023 2,717,232 42: 2,699,422 2,701,233 2,702,783 2,702,784 2,704,272 2,710,830 46: 2,706,708 2,722,505 2,723,227 52: 2,716,630 2,722,506 2,725,350 2,727,000 53: 2,706,169 2,711,388 57: 2,703,309 2,707,165 2,708,653 2,710,831 2,711,991 2,714,087 2,715,605 2,717,233 2,726,199 2,715,606 68: 2,716,631 69: 2,705,698 91: 2,700,644 121: 2,702,269 131: 2,708,654 141: 2,709,677 2,710,281 153: 2,712,520 2,715,607 160: 2,705,699 2,709,678 2,711,992 2,725,351 161: 2,701,789 169: 2,714,574 170: 2,700,645 172: 2,718,493 173: 2,704,742 2,728,717 181: 2,727,855 185: 2,705,217 2,705,218 189: 2,723,228 205: 2,703,310 234: 2,722,507 110: 2,703,172 115: 2,711,818 129: 2,698,681 131: 2,721,619 159: 2,713,416 183: 2,706,035 210: 2,721,650 227: 2,709,000 340: 2,726,755 355: 2,728,446 3: 2,706,170 4: 2,728,718 6: 2,699,423 10: 2,715,093 2,717,234 11: 2,702,270 12: 2,712,521 2,718,494 15: 2,699,424 17: 2,726,200 18: 2,699,425 19: 2,720,487 20: 2,715,094 23: 2,715,095 2,721,834 2,728,719 26: 2,726,201 28: 2,707,703 2,708,181 2,719,820 2,725,352 29: 2,703,781 32: 2,711,389 2,725,353 2,728,720 33: 2,702,785 35: 2,723,952 36: 2,714,088 38: 2,721,835 39: 2,709,154 43: 2,719,821 2,724,687 2,727,856	204— 44: 2,700,646 2,702,271 2,722,508 45: 2,715,096 2,717,870 2,721,836 48: 2,710,832 2,714,089 49: 2,712,522 50: 2,703,311 2,726,202 2,726,203 51: 2,704,273 52: 2,700,019 2,700,020 2,700,234 2,707,166 2,707,167 56: 2,706,171 2,720,488 58: 2,721,837 59: 2,717,235 2,717,871 60: 2,716,632 61: 2,707,168 2,712,523 64: 2,707,169 2,707,170 2,722,509 2,722,510 67: 2,713,024 71: 2,714,575 72: 2,726,204 73: 2,700,021 75: 2,717,237 78: 2,714,576 79: 2,713,553 90: 2,713,554 2,724,688 94: 2,715,608 98: 2,723,229 101: 2,717,237 105: 2,713,555 128: 2,705,219 2,719,822 130: 2,722,511 140.5: 2,708,655 2,712,524 2,712,525 2,725,354 142: 2,721,838 149: 2,700,647 151: 2,702,272 157: 2,713,025 158: 2,702,273 2,707,704 2,716,633 2,718,495 2,719,116 2,722,512 161: 2,727,857 162: 2,709,155 163: 2,706,172 2,707,172 2,717,238 167: 2,724,689 176: 2,700,648 2,704,274 180: 2,721,171 181: 2,699,426 2,711,390 192: 2,702,274 193: 2,708,656 2,714,577 2,719,823 195: 2,705,220 2,706,710 2,706,711 2,706,712 2,708,657 2,728,721 196: 2,700,649 2,709,679 197: 2,710,833 2,721,172 2,726,205 203: 2,711,993 204: 2,724,690 2,724,691 208: 2,725,355 211: 2,723,953 212: 2,706,173 2,706,174 2,710,834 219: 2,700,650 2,704,743 220: 2,719,117 224: 2,698,832 230: 2,701,790 256: 2,717,872 272: 2,706,175 275: 2,721,839 286: 2,723,230 297: 2,722,513 2,727,858	204— 301: 2,708,658 305: 2,727,859 306: 2,705,221 307: 2,728,722 312: 2,724,692 2,728,723 320: 2,710,835 205— 3: 2,716,482 2,717,072 4: 2,726,756 7: 2,721,651 8: 2,709,516 13: 2,704,151 14: 2,699,864 2,704,597 2,708,024 2,715,959 20: 2,712,381 2,723,744 24: 2,728,447 29: 2,728,448 4: 2,706,554 84: 2,716,483 2,726,757 1: 2,698,682 2,714,443 3: 2,715,960 2,721,652 2,722,307 4: 2,707,550 2,724,494 5: 2,708,025 2,710,091 2,710,685 2,720,305 2,723,745 7: Re.23,995 2,710,092 2,723,025 2,727,618 8: 2,725,977 9: 2,706,555 2,713,417 15.1: 2,714,444 2,719,626 16: 2,699,865 2,701,052 2,702,116 2,702,626 2,706,036 2,707,551 2,710,093 2,713,937 2,718,298 2,718,963 2,720,306 2,722,308 19.5: 2,710,686 33: 2,700,455 37: 2,707,552 2,720,307 38: 2,715,961 2,716,484 39: 2,726,758 41: 2,718,964 41.2: 2,701,053 41.4: 2,723,746 42: 2,708,026 2,718,299 2,722,309 43: 2,726,759 44: 2,727,619 45: 2,725,978 45.11: 2,706,037 45.12: 2,723,026 45.13: 2,708,508 2,719,627 45.14: 2,700,456 2,704,152 2,709,517 2,711,819 2,714,445 2,723,747 45.15: 2,710,094 45.19: 2,711,820 2,727,620 45.22: 2,728,449 45.25: 2,716,485 45.26: 2,710,687 45.31: 2,712,382 2,714,446 2,722,310 45.33: 2,706,038 2,708,027 2,708,028 2,712,383 2,717,691 45.34: 2,717,073 46: 2,700,457 2,700,458 2,700,459 2,705,555 2,707,048 2,708,029
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2,723,028 9: 2,713,418 2,720,970 10: 2,701,636 2,720,310 15: 2,725,982 16: 2,698,683 17: 2,698,684 2,708,512 209—	2: 2,721,654 3: 2,709,001 12: 2,707,554 2,710,097 2,714,953 17: 2,708,032 18: 2,714,954 2,714,955	18: 2,714,956 2,715,460 2,724,497 19: 2,717,692 2,722,312 21: 2,699,867 2,721,655 22: 2,713,942 29: 2,711,247 36: 2,721,656 38: 2,708,513 2,728,454 39: 2,711,248 44: 2,727,623 49: 2,706,556 72: 2,699,868 2,700,465 2,701,637 2,707,555 2,711,821 2,713,419 2,715,962 2,717,693 2,719,629 74: 2,714,451 2,718,965 2,723,748 81: 2,704,601 2,713,943 2,714,957 82: 2,702,118 88: 2,706,042 90: 2,701,638 2,705,072 91: 2,702,119 2,712,870 2,716,487 99: 2,728,455 104: 2,699,253 2,727,624 106: 2,714,452 2,723,749 107: 2,702,628 108: 2,713,944 110: 2,702,629 2,704,602 2,708,514 111: 2,701,055 2,708,515 2,726,762 112: 2,724,498 121: 2,701,639 2,702,120 2,706,043 2,707,049 2,710,690 2,722,313 2,727,625 125: 2,705,073 127: 2,699,869 2,706,044 2,707,556 2,723,029 133: 2,702,630 136: 2,702,631 137: 2,699,254 138: 2,703,174 2,704,154 2,717,076 2,717,694 139: 2,705,074 2,705,075 2,705,559 2,708,033 2,708,516 2,715,461 2,717,077 2,728,456 142: 2,714,453 144: 2,701,056 2,702,632 158: 2,708,517 2,714,958 159: 2,715,462 2,715,463 160: 2,723,030 166: 2,699,255 2,701,057 2,701,640 2,702,121 2,703,646 2,706,557 2,706,558 2,706,559 2,711,822 2,713,420 2,721,657 2,724,499 2,724,500 2,724,501 2,727,626 169: 2,711,823 2,713,421 172: 2,699,256 2,699,870	172: 2,700,466 2,718,305 2,720,971 172.5: 2,701,058 2,701,641 2,713,945 2,717,078 2,717,079 2,721,658 2,724,502 2,726,763 2,726,764 173: 2,703,647 2,718,966 183: 2,699,257 199: 2,700,467 207: 2,701,059 209: 2,702,122 211: 2,700,468 2,700,469 2,701,642 2,704,603 2,706,045 2,717,695 2,723,750 2,724,503 2,725,983 2,726,765 2,726,766 2,726,767 2,726,768 214: 2,708,518 2,714,959 215: 2,709,002 2,714,454 219: 2,711,249 2,719,630 223: 2,698,685 2,699,871 2,702,123 2,703,175 2,707,557 2,708,034 2,710,691 2,724,504 227: 2,714,960 234: 2,704,605 235: 2,704,604 2,709,520 238: 2,704,155 244: 2,705,076 251: 2,707,558 254: 2,703,648 261: 2,718,967 283: 2,706,046 287: 2,700,470 2,702,633 290: 2,701,060 291: 2,711,250 293: 2,705,560 298: 2,711,824 314: 2,703,649 315: 2,700,471 319: 2,712,385 2,715,963 2,723,751 323: 2,723,752 325: 2,707,559 329: 2,700,472 330: 2,701,061 332: 2,705,561 2,723,753 334: 2,720,311 335: 2,723,031 346: 2,709,521 352: 2,704,606 358: 2,710,098 360: 2,706,047 365: 2,725,984 367: 2,702,634 379: 2,722,314 388: 2,699,258 394: 2,727,627 395: 2,706,048 401: 2,723,032 403: 2,714,961 414: 2,716,488 437: 2,714,962 457: 2,698,686 458: 2,709,003 461: 2,723,754 462: 2,720,972 464: 2,705,562 466: 2,702,635 479: 2,706,560 2,718,306 486: 2,718,307 2,720,312 210—	1: 2,724,505 1.5: 2,704,156 2,705,563 2,717,080 2,720,973 2,720,974 2,721,659	2: 2,703,312 2,703,782 2,707,171 2,709,680 2,716,086 2,717,873 2,719,118 2,720,489 2,723,954 3: 2,713,026 2,713,027 2,714,090 5: 2,709,681 7: 2,713,028 8: 2,723,231 8.5: 2,714,578 2,715,097 11: 2,701,235 2,725,356 14: 2,723,955 16: 2,701,791 2,711,994 2,715,609 2,718,496 2,721,173 17: 2,715,610 23: 2,701,792 2,711,391 2,720,490 2,723,956 2,728,724 2,728,725 2,728,726 24: Re.24,055 2,701,236 2,702,275 2,703,313 2,711,465 2,711,995 2,713,556 2,715,098 2,722,514 26: 2,702,786 2,715,099 28: 2,700,651 2,717,874 31: 2,703,176 2,711,252 2,714,963 36: 2,709,522 40: 2,723,755 42.5: 2,708,519 2,717,696 2,719,206 2,723,756 43: 2,716,489 44: 2,723,757 51: 2,702,124 2,707,560 2,715,464 2,718,308 2,719,631 2,728,457 52.5: 2,711,826 2,712,386 2,717,081 2,720,975 2,720,976 2,720,977 2,720,978 2,720,979 2,720,980 2,723,033 2,723,034 2,723,758 2,723,759 53: 2,709,523 2,725,985 55: 2,708,520 2,717,697 2,723,760 2,724,506 2,727,628 57: 2,702,125 2,715,465 63: 2,706,561 2,707,561 2,711,827 2,717,698 67: 2,727,629 68: 2,720,981 2,720,982 2,727,630 69: 2,718,309 70: 2,708,035 72: 2,704,157 2,727,631 75: 2,701,643 76: 2,700,473 88: 2,721,660 112: 2,702,636 113.5: 2,727,632 122.5: 2,713,422 128: 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2,707,564 33: 2,698,688 34: 2,698,689 2,703,651 41: 2,702,127 2,721,661 42: 2,720,985 45: 2,706,562 49: 2,715,467 2,723,036 51: 2,705,564 60: 2,703,178 65: 2,702,640 2,703,652 2,707,052 2,723,762 66: 2,725,147 69: 2,699,262 71: 2,702,641 2,721,662 74: 2,708,037 2,710,101 2,717,085 2,717,700 2,723,037 2,726,771 75: 2,711,830	76: 2,710,694 78: 2,723,763 86: 2,706,049 88: 2,708,038 89: 2,708,523 2,722,317 2,723,764 90: 2,700,475 2,705,565 2,720,316 2,724,509 94: 2,715,966 96: 2,725,148 103: 2,702,128 104: 2,707,565 2,724,510 105.1: 2,705,566 105.2: 2,703,179 2,720,317 105.3: 2,710,695 105.4: 2,725,989 106: 2,698,690 113: 2,699,263 2,699,873 2,709,005 2,714,965 118: 2,709,006 119: 2,723,765 119.15: 2,705,567 123: 2,705,568 2,715,468 126: 2,721,663 128: 2,723,766 136: 2,700,476 2,719,633 137: 2,728,461 143: 2,722,318 148: 2,712,872 2,716,495 2,726,772 150: 2,708,524 153: 2,720,318 163: 2,707,566 165: 2,701,646 177: 2,725,149 178: 2,706,563 181: 2,724,511 212—	4: 2,706,564 2,718,311 7: 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214—	1: 2, 710, 103 2, 712, 874 2, 713, 426 2, 727, 637 2: 2, 700, 478 2, 700, 479 3: 2, 701, 649 2, 721, 664 2, 725, 991 5. 5: 2, 704, 158 2, 713, 427 2, 715, 968 2, 722, 321 6: 2, 698, 692 2, 698, 693 2, 699, 264 2, 701, 650 2, 702, 131 2, 703, 182 2, 703, 653 2, 707, 567 2, 710, 696 2, 715, 469 2, 716, 497 2, 718, 313 2, 718, 314 2, 718, 315 2, 720, 322 7: 2, 698, 694 2, 699, 265 2, 701, 651 2, 706, 053 2, 725, 992 8: 2, 711, 832 8. 5: 2, 701, 064 2, 703, 183 2, 707, 568 2, 718, 316 10. 5: 2, 698, 695 2, 698, 696 2, 702, 642 2, 711, 255 2, 720, 323 11: 2, 707, 569 2, 717, 086 2, 728, 466 15: 2, 715, 969 16: 2, 706, 573 2, 713, 428 2, 717, 702 16. 1: Re. 23,962 2, 699, 266 2, 701, 065 2, 704, 609 2, 705, 570 2, 706, 054 2, 707, 054 2, 709, 008 2, 712, 875 2, 714, 456 2, 715, 970 2, 717, 087 2, 717, 088 2, 718, 317 2, 722, 322 2, 726, 774 2, 727, 638 2, 728, 467 16. 4: 2, 725, 150 2, 726, 775 16. 6: 2, 718, 972 2, 728, 468 17: 2, 701, 652 2, 701, 653 2, 702, 133 2, 703, 654 2, 704, 159 2, 705, 080 2, 708, 040 2, 711, 833 2, 711, 834 2, 713, 949 2, 717, 703 2, 718, 969 2, 718, 970 2, 721, 665 2, 721, 666 2, 725, 151 2, 728, 469 2, 728, 470 18: 2, 709, 009 2, 709, 529 2, 709, 530 2, 714, 457 2, 724, 514 18. 2: 2, 716, 498 18. 26: 2, 702, 643 19: 2, 701, 066 2, 704, 610 2, 719, 635 21: 2, 701, 067 23: 2, 704, 611 2, 710, 104 2, 714, 458 2, 725, 993 29: 2, 714, 966	214—	37: 2, 718, 971 38: 2, 711, 835 2, 714, 967 2, 715, 971 2, 720, 324 41: 2, 710, 697 42: 2, 702, 193 2, 724, 515 2, 724, 516 46. 22: 2, 723, 768 53: 2, 713, 429 58: 2, 703, 655 2, 721, 667 2, 728, 471 63: 2, 719, 636 64: 2, 722, 323 75: 2, 701, 068 2, 701, 654 2, 701, 655 2, 701, 656 2, 706, 565 77: 2, 703, 656 2, 704, 160 2, 719, 637 2, 720, 988 2, 725, 152 2, 727, 639 78: 2, 699, 876 2, 711, 256 2, 712, 876 82: 2, 711, 836 2, 712, 388 2, 714, 968 2, 726, 776 83: 2, 715, 972 83. 1: 2, 702, 134 83. 24: 2, 707, 055 2, 710, 105 83. 26: 2, 699, 877 2, 717, 089 2, 724, 517 83. 3: 2, 706, 566 83. 32: 2, 704, 161 84: 2, 700, 480 2, 704, 162 2, 716, 499 2, 720, 959 2, 723, 038 85: 2, 705, 081 2, 720, 325 2, 725, 994 85. 1: 2, 708, 041 2, 728, 472 86: 2, 699, 267 2, 700, 481 2, 701, 069 2, 706, 055 2, 712, 877 2, 715, 470 2, 726, 777 89: 2, 704, 612 2, 709, 010 2, 710, 698 90: 2, 707, 570 2, 714, 459 91: 2, 702, 135 2, 709, 011 103: 2, 700, 482 2, 715, 471 130: 2, 702, 136 131: 2, 715, 472 2, 717, 090 2, 722, 324 2, 725, 995 132: 2, 704, 613 2, 717, 091 138: Re. 23,989 2, 698, 697 140: 2, 704, 163 2, 707, 056 2, 707, 057 2, 707, 058 2, 707, 059 2, 708, 526 2, 710, 699 2, 711, 257 2, 712, 389 2, 714, 460 2, 718, 318 2, 719, 638 2, 719, 639 2, 723, 039 2, 726, 778 2, 727, 640 141: 2, 701, 657 142: 2, 722, 325 145: 2, 724, 518 147: Re. 23,934 2, 702, 137 2, 717, 704 2, 717, 705 2, 724, 519 2, 725, 996 149: 2, 700, 483	214—	152: 2, 709, 012 2, 711, 837 300: 2, 708, 042 301: 2, 701, 070 2, 718, 319 302: 2, 706, 567 306: 2, 707, 060 2, 713, 430 2, 716, 500 307: 2, 702, 138 2, 712, 390 2, 727, 641 308: 2, 701, 071 2, 704, 614 2, 709, 013 2, 715, 973 309: 2, 702, 644 2, 707, 571 2, 707, 572 2, 713, 950 2, 727, 642 312: 2, 726, 779 313: 2, 712, 878 2, 716, 501 2, 716, 502 314: 2, 711, 838 315: 2, 705, 571 2, 713, 431 2, 728, 473 317: 2, 702, 645 2, 708, 043 330: Re. 23,923 331: 2, 725, 997 332: 2, 725, 998 357: 2, 709, 531 358: 2, 704, 164 359: 2, 716, 503 370: 2, 703, 657 372: 2, 719, 640 383: 2, 704, 165 2, 710, 106 2, 717, 706 2, 725, 153 384: 2, 706, 568 2, 714, 461 390: 2, 706, 056 392: 2, 706, 057 394: 2, 708, 044 2, 708, 527 396: 2, 702, 139 450: 2, 715, 974 2, 722, 326 454: 2, 711, 258 501: 2, 699, 268 2, 728, 474 503: 2, 703, 184 2, 706, 058 505: 2, 703, 658 2, 717, 707 506: 2, 706, 059 2, 707, 061 2, 707, 062 2, 708, 045 2, 711, 259 2, 713, 951 508: 2, 723, 769 510: 2, 701, 072 2, 705, 082 2, 719, 641 2, 720, 990 512: 2, 713, 432 513: 2, 704, 615 514: 2, 699, 878 2, 708, 046 2, 709, 532 2, 727, 643 515: 2, 703, 659 2, 706, 569 2, 708, 047 2, 711, 260 2, 714, 462 2, 723, 770 517: 2, 711, 261 518: 2, 709, 014 519: 2, 704, 166 520: 2, 711, 262 2, 720, 326 2, 720, 991 521: 2, 701, 073 2, 719, 642 620: 2, 698, 698 2, 699, 269 2, 701, 658 2, 714, 463 2, 719, 643 2, 725, 999 621: 2, 707, 573 650: 2, 705, 083 651: 2, 708, 048 652: 2, 706, 060 2, 724, 520 653: 2, 699, 879 2, 702, 646 2, 704, 167 2, 706, 061	214—	653: 2, 706, 570 2, 709, 015 2, 713, 433 2, 714, 969 2, 720, 992 2, 722, 327 2, 726, 000 2, 726, 780 654: 2, 699, 880 2, 705, 084 2, 724, 521 2, 726, 781 655: 2, 708, 528 2, 709, 016 656: 2, 710, 700 2, 720, 327 2, 726, 782 658: 2, 710, 107 2, 715, 473 2, 717, 092 2, 718, 320 2, 718, 321 2, 725, 154 670: 2, 720, 993 671: 2, 709, 017 672: 2, 705, 572 2, 723, 771 2, 724, 522 674: 2, 707, 063 2, 712, 391 711: 2, 713, 434 730: 2, 706, 062 2, 723, 772 731: 2, 702, 140 2, 709, 018 2, 721, 668 215—	6: 2, 718, 973 9: 2, 710, 701 2, 717, 708 11: 2, 720, 328 12: 2, 706, 571 2, 710, 109 2, 711, 839 13: 2, 707, 574 2, 710, 108 2, 713, 435 22: 2, 704, 616 29: 2, 723, 773 31: 2, 708, 043 2, 713, 952 38: 2, 713, 436 2, 718, 322 39: 2, 706, 572 2, 726, 001 2, 726, 002 40: 2, 708, 050 2, 715, 474 2, 716, 504 2, 718, 323 2, 720, 329 2, 728, 475 42: 2, 705, 085 43: 2, 723, 040 46: 2, 709, 019 47: 2, 712, 392 52: 2, 705, 573 2, 723, 041 54: 2, 718, 974 63: 2, 720, 330 74: 2, 713, 953 79: 2, 700, 484 2, 727, 644 98: 2, 722, 328 100. 5: 2, 727, 645 101: 2, 705, 086 216—	1: 2, 717, 709 2, 725, 155 4: 2, 711, 263 9: 2, 720, 331 13: 2, 723, 042 20: 2, 713, 437 21: 2, 718, 975 2, 722, 329 2, 722, 330 2, 728, 476 22: 2, 726, 783 23: 2, 720, 994 25: Re. 24,097 2, 710, 702 2, 713, 438 2, 717, 710 28: 2, 715, 975 29: 2, 704, 168 2, 721, 669 2, 721, 670 33: 2, 722, 331 2, 723, 774 2, 726, 784 2, 727, 646 2, 728, 477 35: 2, 699, 881 2, 723, 043 44: 2, 727, 647 54: 2, 717, 711 2, 722, 332	216—	55: 2, 703, 660 2, 712, 393 2, 720, 995 2, 723, 775 2, 725, 156 2, 726, 003 2, 727, 648 58: 2, 722, 333 60: 2, 708, 051 3: 2, 714, 970 5: 2, 717, 712 2, 718, 324 12: 2, 709, 020 2, 709, 533 2, 710, 703 14: 2, 725, 157 16: 2, 728, 478 18: 2, 702, 647 26. 5: 2, 702, 648 31: 2, 717, 713 35: 2, 728, 479 36: 2, 715, 475 43: 2, 702, 141 2, 706, 063 56: 2, 717, 093 60: 2, 707, 064 2, 722, 334 2, 723, 776 110: 2, 712, 879 5: 2, 700, 090 14: 2, 705, 087 29: Re. 24,065 42: 2, 717, 714 2, 722, 335 45: 2, 723, 777 47: 2, 713, 439 219—	1: 2, 699, 483 2, 706, 231 2, 716, 687 2, 716, 688 2, 717, 300 2, 704, 801 3: 2, 705, 275 2, 724, 762 2, 726, 307 4: 2, 701, 290 2, 703, 357 2, 706, 232 2, 708, 228 2, 709, 212 2, 710, 326 2, 710, 327 2, 711, 466 2, 712, 049 2, 712, 585 2, 713, 105 2, 713, 626 2, 714, 150 2, 716, 177 2, 718, 578 2, 718, 579 2, 719, 207 2, 721, 921 2, 723, 330 2, 724, 035 2, 727, 122 2, 727, 123 2, 727, 969 6: 2, 701, 833 2, 716, 689 2, 721, 922 8: 2, 698, 891 2, 700, 091 2, 704, 317 2, 708, 229 2, 713, 106 2, 713, 107 2, 717, 948 2, 719, 208 2, 719, 209 2, 719, 899 2, 721, 248 2, 721, 923 2, 722, 588 2, 723, 331 2, 723, 332 2, 723, 333 2, 725, 449 2, 727, 970 2, 727, 971 2, 728, 838 10: 2, 698, 892 2, 701, 834 2, 702, 846 2, 703, 835 2, 708, 702 2, 709, 213 2, 710, 328 2, 710, 901 2, 710, 902 2, 711, 467 2, 716, 690 2, 716, 691 2, 716, 692 2, 719, 210	219—	10: 2, 719, 900 2, 720, 574 2, 720, 575 2, 721, 249 2, 724, 036 2, 726, 308 2, 727, 124 2, 727, 125 2, 727, 972 10. 41: 2, 702, 847 2, 716, 693 10. 45: 2, 721, 924 10. 49: 2, 717, 949 10. 53: 2, 706, 233 2, 715, 170 2, 728, 839 10. 55: 2, 700, 092 2, 704, 802 2, 708, 703 2, 711, 468 2, 712, 050 2, 716, 694 2, 718, 580 10. 57: 2, 706, 234 10. 61: 2, 722, 589 10. 63: 2, 719, 901 10. 69: 2, 714, 647 2, 725, 450 10. 71: 2, 712, 586 10. 75: 2, 720, 576 2, 720, 577 10. 77: 2, 700, 093 2, 707, 742 2, 709, 740 2, 723, 334 2, 724, 037 10. 79: 2, 708, 704 2, 709, 741 2, 714, 648 2, 715, 171 2, 716, 695 2, 724, 763 12: 2, 701, 291 2, 717, 301 2, 720, 578 14: 2, 721, 250 2, 727, 126 15: 2, 702, 333 2, 706, 236 2, 715, 172 2, 718, 581 2, 719, 902 2, 726, 309 2, 726, 310 2, 727, 127 17: 2, 707, 743 2, 710, 903 2, 710, 904 2, 716, 178 2, 724, 038 19: 2, 699, 484 2, 700, 094 2, 700, 095 2, 706, 237 2, 706, 761 2, 706, 762 2, 706, 763 2, 707, 744 2, 708, 705 2, 710, 905 2, 712, 051 2, 713, 108 2, 714, 649 2, 715, 173 2, 715, 174 2, 716, 179 2, 716, 180 2, 716, 181 2, 717, 302 2, 717, 950 2, 717, 951 2, 719, 903 2, 721, 925 2, 722, 590 2, 722, 591 2, 724, 039 2, 726, 311 2, 727, 128 2, 728, 840 2, 728, 841 20: 2, 698, 893 2, 701, 292 2, 704, 803 2, 705, 276 2, 706, 764 2, 706, 765 2, 710, 329 2, 710, 906 2, 717, 303 2, 720, 579 2, 721, 926 2, 723, 335 2, 724, 040 2, 725, 451
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219—	20: 2, 725, 452 2, 726, 312 2, 727, 129 2, 727, 973 2, 727, 974 2, 727, 975 2, 728, 842 2, 728, 843 21: 2, 700, 096 2, 706, 238 2, 709, 742 2, 711, 469 2, 715, 175 2, 718, 582 2, 719, 904 2, 719, 905 2, 727, 130 24: 2, 705, 277 25: 2, 701, 293 2, 706, 766 2, 714, 650 2, 723, 336 2, 725, 453 2, 726, 313 2, 727, 131 26: 2, 699, 485 2, 700, 721 2, 708, 706 2, 709, 743 2, 710, 330 2, 711, 470 2, 714, 651 2, 715, 669 2, 715, 670 2, 717, 952 2, 721, 251 2, 724, 041 2, 724, 042 29: 2, 701, 835 2, 713, 109 2, 721, 927 2, 727, 132 30: 2, 707, 224 2, 712, 587 32: 2, 699, 486 2, 701, 836 2, 704, 318 2, 717, 304 2, 723, 337 2, 727, 976 2, 727, 977 2, 728, 844 34: 2, 702, 334 2, 708, 230 2, 712, 588 2, 716, 696 2, 720, 580 2, 723, 338 2, 727, 978 35: 2, 701, 294 2, 704, 319 2, 706, 239 2, 707, 225 2, 708, 707 2, 708, 708 2, 708, 709 2, 713, 110 2, 713, 111 2, 724, 734 2, 724, 765 2, 725, 454 37: 2, 699, 487 2, 701, 837 2, 702, 848 2, 704, 320 2, 715, 176 2, 716, 697 2, 719, 906 2, 722, 592 2, 724, 043 2, 725, 455 2, 725, 456 2, 727, 133 38: 2, 700, 722 2, 701, 295 2, 702, 335 2, 706, 240 2, 711, 471 2, 712, 052 2, 715, 671 2, 717, 305 2, 718, 583 2, 719, 211 2, 721, 252 2, 721, 253 2, 721, 928 2, 722, 593 2, 723, 339 2, 723, 340 2, 725, 457 2, 726, 314 2, 726, 315 2, 727, 134 39: 2, 698, 894 2, 706, 241	219—	39: 2, 707, 745 2, 707, 746 2, 708, 231 2, 708, 232 2, 709, 214 2, 709, 744 2, 710, 907 2, 710, 908 2, 711, 472 2, 711, 473 2, 712, 053 2, 712, 054 2, 713, 627 2, 714, 151 2, 715, 177 2, 720, 581 2, 721, 254 2, 722, 594 2, 724, 044 40: 2, 712, 589 2, 713, 628 2, 724, 045 2, 725, 458 41: 2, 699, 488 2, 708, 233 2, 711, 474 2, 712, 590 2, 719, 212 2, 726, 316 2, 727, 979 43: 2, 700, 097 2, 700, 723 2, 700, 724 2, 701, 296 2, 702, 336 2, 709, 215 2, 713, 112 2, 715, 672 2, 715, 673 2, 725, 459 2, 725, 460 44: 2, 699, 489 2, 702, 337 2, 703, 358 2, 707, 226 2, 708, 710 2, 712, 055 2, 722, 595 45: 2, 710, 331 2, 722, 596 46: 2, 706, 767 2, 706, 768 2, 708, 234 2, 708, 235 2, 709, 216 2, 710, 909 2, 712, 591 2, 712, 592 2, 715, 674 2, 717, 953 2, 718, 584 2, 718, 585 2, 719, 213 2, 719, 907 2, 722, 597 220—	1: 2, 714, 464 1. 5: 2, 720, 996 2. 2: 2, 704, 169 2. 3: 2, 703, 661 2, 720, 997 2, 723, 044 3. 6: 2, 703, 662 3. 94: 2, 717, 715 4: 2, 706, 574 2, 709, 534 2, 712, 880 2, 717, 094 2, 720, 332 2, 720, 333 2, 728, 480 2, 728, 481 5: 2, 711, 264 6: 2, 714, 465 2, 717, 716 2, 720, 998 7: 2, 714, 466 8: 2, 712, 394 9: 2, 708, 529 2, 715, 976 10: 2, 727, 649 14: 2, 722, 336 15: 2, 706, 575 2, 708, 052 2, 720, 334 2, 720, 335 16: 2, 710, 110 2, 714, 971 18: 2, 702, 649 2, 717, 717 19: 2, 702, 650 2, 706, 064 2, 718, 325 2, 721, 671 20: 2, 706, 576 20. 5: 2, 713, 440	220—	20. 5: 2, 715, 977 2, 724, 523 22: 2, 718, 326 2, 724, 524 2, 728, 482 23. 2: 2, 726, 004 23. 4: 2, 711, 845 23. 8: 2, 703, 185 24: 2, 727, 650 24. 3: 2, 726, 005 24. 5: 2, 703, 186 2, 709, 021 2, 726, 006 25: 2, 703, 663 2, 705, 574 2, 719, 644 2, 720, 999 26: 2, 712, 395 2, 717, 095 2, 718, 976 2, 718, 977 29: 2, 705, 088 31: 2, 702, 651 32: 2, 705, 575 2, 723, 045 34: 2, 702, 142 35: 2, 718, 978 39: 2, 718, 979 2, 728, 483 40: 2, 711, 265 2, 717, 096 2, 722, 337 2, 722, 338 2, 724, 525 42: 2, 709, 022 2, 711, 840 2, 719, 645 2, 727, 651 43: 2, 699, 270 2, 714, 467 44: 2, 702, 143 2, 721, 000 46: 2, 701, 659 2, 706, 577 2, 718, 327 47: 2, 712, 881 2, 723, 778 51: 2, 721, 672 52: 2, 702, 652 2, 702, 653 2, 703, 187 2, 708, 530 2, 710, 111 2, 714, 468 2, 715, 476 2, 717, 718 2, 718, 328 2, 718, 329 2, 719, 646 2, 721, 673 2, 723, 046 2, 723, 047 2, 726, 007 2, 726, 785 53: 2, 719, 647 54: 2, 725, 158 55: 2, 701, 660 2, 703, 188 2, 711, 266 2, 711, 267 2, 714, 469 2, 715, 477 2, 719, 648 57: 2, 707, 575 2, 722, 339 2, 706, 065 2, 718, 980 63: 2, 710, 112 2, 710, 704 2, 711, 841 2, 721, 674 64: 2, 714, 470 2, 722, 340 2, 724, 526 2, 725, 159 69: 2, 716, 505 77: 2, 726, 008 2, 727, 652 80: 2, 700, 485 2, 726, 009 81: 2, 710, 113 2, 723, 048 83: 2, 726, 010 85: 2, 712, 396 2, 726, 011 88: 2, 711, 842 2, 718, 330 89: 2, 701, 075 2, 716, 506 90: Re. 24, 012 2, 699, 882 2, 715, 478 91: 2, 710, 705 2, 714, 972 93: 2, 726, 012	220—	94: 2, 710, 706 97: 2, 714, 471 2, 726, 786 105: 2, 700, 486 2, 704, 617 2, 727, 653 110: 2, 711, 843 111: 2, 701, 076 2, 702, 144 2, 706, 578 2, 711, 844 113: 2, 701, 661 2, 709, 535 2, 712, 397 2, 712, 882 2, 717, 097 2, 717, 098 2, 719, 649 2, 719, 650 2, 721, 001 114: 2, 703, 189 115: 2, 722, 341 116: 2, 728, 484 118: 2, 728, 485 221—	6: 2, 698, 699 11: 2, 702, 132 13: 2, 726, 013 14: 2, 719, 651 22: 2, 727, 654 39: 2, 713, 441 43: 2, 702, 145 45: 2, 705, 089 47: 2, 701, 662 75: 2, 701, 077 91: 2, 720, 336 92: 2, 706, 066 104: 2, 708, 531 111: 2, 720, 337 160: 2, 715, 978 165: 2, 707, 065 174: 2, 714, 973 178: 2, 725, 160 184: 2, 707, 576 200: 2, 718, 331 2, 723, 049 201: 2, 712, 883 213: 2, 701, 663 220: 2, 712, 398 221: 2, 718, 981 222: 2, 721, 002 229: 2, 726, 787 232: 2, 705, 576 2, 710, 114 243: 2, 720, 338 248: 2, 703, 664 252: 2, 708, 053 255: 2, 707, 066 259: 2, 727, 655 260: 2, 706, 579 263: 2, 704, 618 264: 2, 700, 586 2, 705, 577 293: 2, 707, 067 2, 717, 099 222—	1: 2, 717, 719 2, 726, 788 2: 2, 712, 884 3: 2, 712, 399 5: 2, 699, 883 2, 717, 100 2, 722, 342 19: 2, 700, 487 20: 2, 704, 619 23: 2, 728, 486 26: 2, 712, 885 30: 2, 707, 577 36: 2, 703, 190 2, 711, 268 47: 2, 707, 578 52: 2, 724, 527 58: 2, 718, 982 61: 2, 710, 115 63: 2, 714, 472 70: 2, 709, 536 71: 2, 700, 488 75: 2, 699, 884 78: 2, 705, 090 79: 2, 698, 700 2, 706, 067 2, 707, 579 2, 724, 528 80: 2, 717, 101 2, 718, 332 80. 5: 2, 705, 578 81: 2, 719, 652 82: 2, 717, 720 83: 2, 721, 003 83. 5: 2, 707, 580 2, 718, 333 2, 726, 789 85: 2, 720, 339 89: 2, 717, 102 91: 2, 712, 886 92: 2, 715, 479 2, 717, 721	222—	92: 2, 718, 983 2, 721, 004 2, 726, 014 93: 2, 711, 269 94: 2, 714, 974 96: 2, 712, 400 97: 2, 709, 023 98: 2, 722, 343 2, 726, 015 100: 2, 708, 532 2, 717, 103 2, 718, 984 101: 2, 715, 979 102: 2, 717, 722 103: 2, 721, 675 2, 723, 050 104: 2, 721, 676 2, 723, 779 2, 728, 487 107: 2, 702, 146 2, 707, 581 2, 723, 051 108: 2, 709, 537 2, 709, 538 2, 709, 539 2, 710, 707 111: 2, 715, 480 112: 2, 728, 488 115: 2, 702, 654 2, 712, 401 117: 2, 701, 078 2, 706, 580 118: 2, 704, 620 121: 2, 712, 402 122: 2, 726, 790 126: 2, 699, 885 2, 709, 540 127: 2, 723, 780 2, 726, 016 129: 2, 705, 091 2, 705, 579 129. 2: 2, 716, 507 131: 2, 716, 508 2, 718, 985 132: 2, 712, 887 133: 2, 698, 701 2, 718, 334 2, 723, 052 135: 2, 718, 335 137: 2, 726, 791 142. 9: 2, 718, 336 143: 2, 704, 170 145: 2, 698, 702 146: 2, 708, 533 147: 2, 721, 005 148: 2, 704, 171 149: 2, 728, 489 152: 2, 701, 079 153: 2, 715, 481 2, 728, 490 154: 2, 699, 886 2, 699, 887 2, 726, 017 156: 2, 705, 092 158: 2, 711, 846 2, 728, 491 161: 2, 709, 541 162: 2, 711, 270 167: 2, 720, 340 170: 2, 700, 489 173: 2, 716, 509 175: 2, 707, 068 2, 723, 781 176: 2, 701, 664 177: 2, 701, 665 2, 710, 116 2, 710, 117 2, 715, 482 2, 717, 104 2, 718, 337 2, 718, 986 2, 723, 053 2, 728, 492 179: 2, 713, 954 181: 2, 700, 490 2, 706, 581 2, 715, 483 2, 728, 493 182: 2, 702, 655 2, 704, 621 183: 2, 709, 024 2, 715, 980 2, 722, 344 185: 2, 701, 080 2, 719, 653 187: 2, 710, 708 189: 2, 717, 723 190: 2, 726, 018 192: 2, 710, 709 193: 2, 718, 987 2, 722, 345 195: 2, 720, 341 2, 720, 342 2, 721, 006 2, 723, 054	195: 2, 723, 782 196: 2, 727, 656 199: 2, 726, 792 205: 2, 714, 975 207: 2, 698, 703 2, 702, 147 2, 706, 582 209: 2, 709, 542 2, 715, 981 2, 720, 343 212: 2, 699, 888 217: 2, 714, 473 227: 2, 706, 583 2, 716, 510 2, 721, 007 235: 2, 706, 584 238: 2, 713, 442 243: 2, 725, 161 246: 2, 709, 543 248: 2, 723, 783 250: 2, 720, 344 255: 2, 703, 191 263: 2, 719, 654 266: 2, 710, 118 283: 2, 717, 105 301: 2, 698, 704 302: 2, 708, 054 306: 2, 714, 976 307: 2, 702, 656 310: 2, 708, 534 318: 2, 703, 192 2, 717, 106 326: 2, 717, 724 2, 720, 345 330: 2, 726, 793 333: 2, 705, 093 2, 721, 677 334: 2, 717, 107 2, 721, 008 335: 2, 699, 271 2, 705, 094 336: 2, 706, 585 2, 721, 009 340: 2, 710, 119 341: 2, 709, 025 2, 710, 710 342: 2, 706, 068 359: 2, 702, 657 368: 2, 727, 657 378: Re. 24, 079 386: 2, 714, 474 386. 5: 2, 728, 494 390: 2, 699, 889 394: 2, 699, 890 2, 703, 665 2, 704, 172 2, 704, 622 2, 721, 010 2, 723, 055 2, 728, 495 396: 2, 723, 056 400. 8: 2, 706, 586 2, 710, 711 413: 2, 699, 272 424. 5: 2, 714, 977 427: 2, 724, 529 434: 2, 712, 403 442: 2, 723, 057 445: 2, 721, 678 2, 726, 019 447: 2, 703, 666 449: 2, 707, 069 456: 2, 704, 623 2, 726, 794 457: 2, 728, 496 466: 2, 726, 795 469: 2, 699, 273 2, 718, 338 475: 2, 705, 580 478: 2, 705, 095 2, 708, 055 2, 715, 484 479: 2, 718, 339 481: 2, 708, 056 482: 2, 708, 057 2, 708, 058 484: 2, 701, 668 485: 2, 704, 624 2, 717, 725 486: 2, 710, 120 490: 2, 700, 491 493: 2, 711, 271 498: 2, 708, 535 2, 715, 485 2, 717, 726 501: 2, 714, 475 502: 2, 713, 955 504: 2, 723, 058 508: 2, 704, 173 2, 714, 476 510: 2, 708, 536 2, 710, 121 512: 2, 703, 193 2, 717, 727 526: 2, 705, 581
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722— 526: 2,722,346	223— 99: 2,701,669	226— 19: 2,722,355	226— 124: 2,724,535	229— 28: 2,711,852	230— 18: 2,720,355
529: 2,716,511	2,711,272	2,722,356	2,725,170	2,717,115	22: 2,726,032
532: 2,713,956	102: 2,705,098	2,726,799	2,726,800	2,717,116	31: 2,715,992
534: 2,723,059	2,706,071	2,727,665	125: 2,717,113	2,718,347	42: 2,711,283
536: 2,727,658	2,715,486	20. 1: 2,707,584	2,726,801	2,725,174	46: 2,728,517
538: 2,706,069	2,716,515	2,710,713	2,726,802	2,725,175	47: 2,713,967
540: 2,727,659	2,721,014	20. 4: 2,727,666	126: 2,709,546	2,725,176	49: 2,704,185
541: 2,715,982	103: 2,708,060	20. 6: 2,701,672	127: 2,702,659	2,725,177	52: 2,698,710
542: 2,701,666	104: 2,724,534	2,702,149	2,703,195	30: 2,723,073	2,704,632
545: 2,726,796	105: 2,728,500	2,728,509	2,705,102	2,724,541	55: 2,707,074
546: 2,717,728	107: 2,703,667	22: 2,700,495	2,727,670	31: 2,702,663	2,721,024
556: 2,701,667	2,723,788	2,718,343	128: 2,723,793	2,713,962	56: 2,708,069
563: 2,710,122	2,727,663	2,718,989	129: 2,701,086	2,714,483	67: 2,706,077
565: 2,725,162	111: 2,725,166	2,728,510	227— 32: 2,721,685	32: 2,698,709	69: 2,715,995
566: 2,723,060	113: 2,725,167	23: 2,711,849	34: 2,718,994	2,705,588	2,726,805
570: 2,720,346	224— 1: 2,715,989	2,718,990	49: 2,699,284	33: 2,708,065	2,727,678
2,722,347	2: 2,708,537	24: 2,726,024	2,705,586	2,713,963	79: 2,713,968
571: 2,704,174	4: 2,713,445	25: 2,711,277	228— 1: 2,728,512	34: 2,705,589	95: 2,722,372
572: 2,719,655	5: 2,704,625	27: 2,701,673	6: 2,707,585	2,707,587	101: 2,702,156
223— 1: 2,706,070	2,707,071	32: 2,715,488	18: 2,704,178	2,724,542	2,703,673
2: 2,705,582	2,708,061	33: 2,703,670	23: 2,708,064	35: 2,702,153	2,709,034
2,706,587	2,709,544	38: 2,718,344	25: 2,720,354	2,712,409	2,714,484
2,721,011	2,714,979	40: 2,722,357	29: 2,703,196	2,718,998	2,721,025
2,723,061	2,717,109	41: 2,720,351	30: 2,704,630	2,718,999	103: 2,701,681
7: 2,699,274	2,718,341	46: 2,726,025	32: 2,718,346	36: 2,704,180	104: 2,711,284
2,725,163	2,718,988	46. 1: 2,704,627	36: 2,727,671	37: 2,703,197	105: 2,722,371
12: 2,713,443	2,719,659	46. 4: 2,726,026	40: 2,701,087	2,704,181	108: 2,702,664
2,724,530	7: 2,708,538	46. 6: 2,727,667	42: 2,709,030	2,710,134	114: 2,698,711
15: 2,704,175	23: 2,715,487	48: 2,699,891	2,722,359	2,711,281	2,699,287
18: 2,714,477	25: 2,712,404	49: 2,700,496	51: 2,708,543	2,718,348	2,702,157
25: 2,704,176	26: 2,700,492	2,722,358	56: 2,727,672	2,723,795	2,702,665
2,713,444	2,707,583	2,725,168	60: 2,710,129	2,727,676	2,705,590
2,726,797	2,714,479	51: 2,702,150	2,722,360	38: 2,713,964	2,706,596
28: 2,705,583	28: 2,715,990	2,705,585	63: 2,723,071	39: 2,702,154	2,708,546
30: 2,708,059	2,728,501	53: 2,721,017	229— 1. 5: 2,728,516	2,713,965	2,718,349
2,711,847	29: 2,708,062	55: 2,712,406	3. 1: 2,708,544	2,714,982	2,719,000
2,724,531	2,709,027	56: 2,705,100	4. 5: 2,719,662	2,716,519	2,719,666
33: 2,714,478	2,721,680	2,708,541	5. 5: 2,704,179	40: 2,708,066	115: 2,728,518
35: 2,710,123	2,704,626	2,718,991	2,721,686	2,713,450	116: 2,701,682
2,721,012	36: 2,700,493	2,723,789	2,723,072	2,713,451	2,703,674
37: 2,707,582	42. 04: 2,709,545	57: 2,711,278	2,726,803	2,713,452	2,708,547
2,727,660	42. 06: 2,711,273	58: Re.24,000	2,706,074	2,713,453	2,717,118
38: 2,726,020	42. 1: 2,714,480	2,699,280	5. 7: 2,706,074	2,721,689	117: 2,703,199
42: 2,715,983	2,720,350	2,703,671	2,723,794	2,722,365	2,709,035
43: 2,722,348	2,721,681	2,710,125	6: 2,709,031	2,703,198	2,711,285
49: 2,699,275	2,728,502	2,727,668	2,714,482	2,723,074	2,713,455
2,715,984	42. 21: 2,726,022	61: 2,721,018	2,721,687	42: 2,723,796	2,726,033
2,728,497	42. 22: 2,723,066	2,727,669	2,728,513	43: 2,707,588	120: 2,703,556
57: 2,698,705	42. 24: 2,711,274	66: 2,703,194	7: 2,702,660	44: 2,706,594	2,721,693
65: 2,728,498	42. 32: 2,701,670	68: 2,719,660	2,716,518	2,712,894	122: 2,701,092
67: 2,720,347	42. 42: 2,707,072	2,721,019	2,719,663	2,706,595	2,710,136
2,726,021	2,722,352	69: 2,718,345	2,721,688	2,711,282	2,718,350
68: 2,702,148	42. 45: 2,717,110	70: 2,726,027	2,724,536	47: 2,723,797	2,720,356
2,707,070	2,728,503	71: 2,712,407	2,725,171	49: 2,722,366	2,726,806
2,719,656	45: 2,708,063	2,718,992	2,728,514	51: 2,699,285	124: 2,712,895
2,723,784	2,716,516	2,720,352	2,726,030	2,704,182	2,727,679
2,724,532	2,717,111	2,720,353	9: 2,722,361	2,706,076	128: 2,727,680
69: 2,714,978	2,721,682	72: 2,713,960	14: 2,701,083	2,708,545	130: 2,726,807
71: 2,712,888	2,722,353	2,719,661	2,706,590	2,709,548	132: 2,724,544
73: 2,713,957	2,723,067	74: 2,715,489	2,717,114	2,713,454	133: 2,722,373
2,715,985	2,728,504	76: 2,699,281	2,727,673	2,725,178	2,724,545
2,715,986	48: 2,723,068	80: 2,706,073	15: 2,702,151	52: 2,702,155	2,724,546
2,723,062	2: 2,699,277	81: 2,723,791	2,702,661	2,710,135	134: 2,712,412
2,723,785	2,701,671	82: 2,700,497	2,719,665	2,710,136	2,715,494
2,727,661	2,703,668	84: 2,717,730	2,721,022	2,721,022	2,724,547
74: 2,715,987	2,706,072	86: 2,704,628	16: 2,701,089	2,721,690	137: 2,718,351
2,722,349	2,710,712	88: 2,705,101	2,701,677	2,723,075	138: 2,713,969
75: 2,722,350	2,711,275	2,726,028	2,702,662	2,725,179	2,721,026
76: 2,705,096	2,712,892	89: 2,726,029	2,707,586	2,727,677	139: 2,711,286
82: 2,702,658	2,713,446	92: 2,704,629	2,709,032	53: 2,704,183	140: 2,705,591
83: 2,701,081	2,713,447	2,710,714	2,709,033	54: 2,722,367	141: 2,708,548
2,712,889	2,721,015	2,712,893	2,722,362	2,722,368	2,719,001
84: 2,720,348	2,721,016	2,714,980	2,725,172	55: 2,709,549	143: 2,701,683
2,706,588	2,726,023	2,723,792	2,727,674	2,721,691	149: 2,699,288
719,657	2,726,798	2,710,126	17: 2,701,678	62: 2,699,286	158: 2,721,694
85: 2,701,082	2,728,505	2,711,850	2,701,679	2,701,680	160: 2,721,027
88: 2,709,026	2,728,506	2,712,408	2,702,152	2,705,103	172: 2,710,137
2,710,124	3: 2,703,669	2,718,993	2,725,173	2,721,023	2,719,002
2,718,340	14: Re.24,095	2,721,684	18: 2,710,132	62. 5: 2,708,067	176: 2,703,675
89: 2,701,083	2,698,706	96: 2,715,991	19: 2,722,363	2,714,983	188: 2,705,592
2,716,512	2,699,278	2,721,020	22: 2,701,090	2,724,543	194: 2,725,182
2,722,351	2,701,085	97: 2,700,494	23: 2,701,091	68: 2,704,184	206: 2,720,357
91: 2,705,097	2,704,177	2,710,127	2,706,591	2,711,853	2,724,548
2,717,108	2,709,029	2,710,715	2,706,592	69: 2,715,493	207: 2,701,684
2,720,349	2,713,448	2,725,169	2,706,593	2,722,369	208: 2,723,798
2,721,013	2,713,958	2,706,589	2,709,547	2,723,076	209: 2,709,036
2,723,063	2,717,729	2,728,511	2,711,280	2,723,077	2,717,732
2,723,786	2,718,342	2,700,498	2,711,851	70: 2,712,410	231: 2,725,183
92: 2,715,988	2,721,683	2,723,069	2,713,961	71: 2,728,515	232: 2,721,028
93: 2,723,064	2,722,354	101: 2,701,674	2,715,492	73: 2,710,716	2,721,029
2,723,787	2,727,664	106: 2,710,128	2,718,996	2,725,180	241: 2,726,034
94: 2,699,276	2,728,507	108: 2,721,021	2,719,664	77: 2,726,804	254: 2,722,374
2,712,890	2,728,508	109: 2,715,491	2,722,364	79: 2,726,031	2,725,184
2,716,513	15: 2,705,584	2,723,070	2,724,537	87: 2,705,104	259: 2,710,717
2,719,658	2,714,481	115: 2,701,675	2,724,538	2,712,411	2,711,287
2,723,065	18: 2,705,099	116: 2,708,542	2,724,539	2,713,966	2,713,970
2,724,533	2,708,539	2,711,276	2,727,675	92. 1: 2,714,984	2,715,495
2,728,499	2,711,276	2,717,112	27: 2,710,133	92. 8: 2,707,589	2,728,519
95: 2,712,891	2,713,449	124: 2,701,676	2,718,997	2,708,068	2,725,185
96: 2,725,164	2,703,672	2,716,517	2,724,540	2,723,078	273: 2,700,600
2,727,662	2,699,279		2,707,073	230— 2: 2,722,370	232— 4: 2,709,037
98: 2,701,084				3: 2,704,631	6: 2,710,138
2,721,679				2,725,181	16: 2,721,030
2,725,165				15: 2,721,692	17: 2,709,038



232—	21: 2,705,593 35: 2,698,712 2,707,075 43.1: 2,726,035 43.3: 2,703,200 44: 2,701,093 2,718,352 57.5: 2,698,713	235—	61: 2,716,520 2,716,521 2,716,522 2,717,120 2,717,734 2,717,735 2,719,005 2,719,670 2,719,671 2,721,031 2,721,696 2,722,375 2,723,080 2,723,800 2,723,801 2,725,191 2,725,192 2,725,193 2,726,038 2,726,039 2,726,809 2,727,682 2,727,683 2,728,522 2,728,523 2,728,524 2,728,525 2,729,289 2,712,896 2,712,897 2,714,486 2,725,189 32: 2,719,668 41: 2,725,190 47: 2,719,003 235—	235—	106: 2,717,737 117: 2,715,998 122: 2,699,897 123: 2,720,362 130: 2,715,498 2,724,554 131: 2,723,081 133: 2,702,670 2,709,044 134: 2,722,382 137: 2,710,145 2,715,999 2,722,383 138: 2,701,100 139: 2,716,524 144: 2,714,992 2,721,703 2,726,040 145: 2,705,109 2,707,077 2,717,121 2,727,688 2,727,689 2,727,690 236—	238—	327: 2,717,740 2,719,008 332: 2,706,601 338: 2,724,559 349: 2,721,034 240—	240—	52.5: 2,728,847 52.6: 2,701,839 2,724,048 54: 2,703,838 2,707,229 2,708,714 2,716,701 2,719,908 2,723,343 2,726,323 59: 2,710,338 2,721,257 2,724,769 60: 2,705,751 61.13: 2,712,060 61.8: 2,719,217 62.7: 2,707,748 64: 2,703,836 73: 2,699,492 2,727,982 78: 2,701,299 2,701,840 2,716,185 2,717,955 2,723,344 2,728,849 81: 2,725,464 2,726,324 85: 2,725,465 90: 2,724,770 2,727,137 98: 2,728,850 102: 2,717,308 104: 2,714,153 105: 2,700,100 106: 2,702,850 2,721,931 108: 2,702,341 2,710,339 2,711,476 2,713,632 2,714,154 2,714,155 2,714,156 2,727,983 123: 2,701,300 2,706,770 128: 2,714,654 146: 2,710,340 147: 2,727,984 148: 2,706,771 2,727,985 241—	241—	101: 2,705,597 2,712,905 2,723,803 2,726,816 107: 2,728,527 119: 2,702,163 124: 2,727,696 126: 2,701,106 138: 2,708,075 140: 2,701,107 141: 2,719,677 154: 2,700,511 2,700,512 156: 2,718,358 169: 2,698,719 175: 2,727,697 178: 2,726,047 183: 2,704,636 186: 2,706,088 195: 2,714,995 197: 2,709,047 2,712,417 2,716,526 2,721,707 200: 2,715,502 202: 2,711,858 2,712,418 208: 2,713,461 209: 2,699,900 245: 2,704,189 255: 2,717,742 256: 2,710,726 257: 2,707,080 266: 2,707,081 269: 2,721,036 285: 2,709,048 242—	
233—	2: 2,724,549 3: 2,718,353 4: 2,710,718 2,719,667 7: 2,703,676 2,711,854 11: 2,726,036 15: 2,705,594 2,715,994 19: 2,711,288 2,725,186 2,725,187 2,726,808 20: 2,723,799 21: 2,717,119 2,720,358 23: 2,723,079 2,725,188 26: 2,699,289 28: 2,712,896 2,712,897 29: 2,714,486 2,725,189 32: 2,719,668 41: 2,725,190 47: 2,719,003 235—	61.11: 2,704,186 2,704,634 2,706,599 2,727,685 61.12: 2,704,187 61.5: 2,699,895 2,701,098 2,702,667 2,710,724 2,710,720 2,710,721 2,710,722 2,710,723 2,711,856 2,715,497 2,718,355 2,726,810 61.6: 2,701,686 2,718,356 2,726,811 2,727,684 61.7: 2,712,898 2,720,360 62: 2,698,715 2,714,986 2,714,987 2,714,988 2,721,697 2,728,526 63: 2,702,159 2,710,141 2,710,405 2,721,698 2,722,376 2,722,377 64.7: 2,721,032 70: 2,701,687 2,706,081 71: 2,710,142 73: 2,701,099 2,714,989 2,714,990 78: 2,707,592 2,719,006 2,724,552 79: 2,702,668 2,706,082 2,714,991 79.5: 2,718,357 83: 2,702,669 2,706,600 84: 2,710,143 2,725,194 86: 2,722,378 88: 2,698,716 2,725,195 2,727,686 91: 2,709,043 2,710,144 2,712,899 2,713,971 92: 2,699,291 2,699,896 2,703,678 2,707,590 2,707,591 2,708,070 2,709,041 2,709,042 2,711,289 2,711,290 2,712,414 2,712,415 2,713,456 2,713,457 2,713,458 2,715,995 2,715,996 2,715,997	2,704,186 2,704,634 2,706,599 2,727,685 2,704,187 2,699,895 2,701,098 2,702,667 2,710,724 2,710,720 2,710,721 2,710,722 2,710,723 2,711,856 2,715,497 2,718,355 2,726,810 2,701,686 2,718,356 2,726,811 2,727,684 2,712,898 2,720,360 2,698,715 2,714,986 2,714,987 2,714,988 2,721,697 2,728,526 2,702,159 2,710,141 2,710,405 2,721,698 2,722,376 2,722,377 2,721,032 2,701,687 2,706,081 2,710,142 2,701,099 2,714,989 2,714,990 2,707,592 2,719,006 2,724,552 2,702,668 2,706,082 2,714,991 2,718,357 2,702,669 2,706,600 2,710,143 2,725,194 2,722,378 2,698,716 2,725,195 2,727,686 2,709,043 2,710,144 2,712,899 2,713,971 2,699,291 2,699,896 2,703,678 2,707,590 2,707,591 2,708,070 2,709,041 2,709,042 2,711,289 2,711,290 2,712,414 2,712,415 2,713,456 2,713,457 2,713,458 2,715,995 2,715,996 2,715,997	106: 2,717,737 117: 2,715,998 122: 2,699,897 123: 2,720,362 130: 2,715,498 2,724,554 131: 2,723,081 133: 2,702,670 2,709,044 134: 2,722,382 137: 2,710,145 2,715,999 2,722,383 138: 2,701,100 139: 2,716,524 144: 2,714,992 2,721,703 2,726,040 145: 2,705,109 2,707,077 2,717,121 2,727,688 2,727,689 2,727,690 146: 2,727,690 1: 2,701,101 9: 2,700,505 2,703,679 10: 2,721,704 12: 2,700,506 2,708,071 2,708,551 2,713,972 2,714,488 13: 2,705,595 2,710,724 15: 2,698,717 2,706,083 2,714,993 20: 2,713,459 2,716,525 21: 2,707,078 2,717,381 25: 2,715,499 34: 2,710,146 38: 2,723,082 2,727,691 44: 2,717,122 2,725,196 45: 2,721,705 46: 2,719,672 48: 2,719,673 51: 2,706,084 62: 2,709,550 68: 2,699,292 75: 2,717,123 80: 2,702,671 2,716,000 86: 2,724,555 91: 2,714,994 92: 2,701,688 2,702,160 2,719,674 2,719,675 96: 2,709,551 99: 2,726,041 101: 2,715,500 237—	2,704,186 2,704,634 2,706,599 2,727,685 2,704,187 2,699,895 2,701,098 2,702,667 2,710,724 2,710,720 2,710,721 2,710,722 2,710,723 2,711,856 2,715,497 2,718,355 2,726,810 2,701,686 2,718,356 2,726,811 2,727,684 2,712,898 2,720,360 2,698,715 2,714,986 2,714,987 2,714,988 2,721,697 2,728,526 2,702,159 2,710,141 2,710,405 2,721,698 2,722,376 2,722,377 2,721,032 2,701,687 2,706,081 2,710,142 2,701,099 2,714,989 2,714,990 2,707,592 2,719,006 2,724,552 2,702,668 2,706,082 2,714,991 2,718,357 2,702,669 2,706,600 2,710,143 2,725,194 2,722,378 2,698,716 2,725,195 2,727,686 2,709,043 2,710,144 2,712,899 2,713,971 2,699,291 2,699,896 2,703,678 2,707,590 2,707,591 2,708,070 2,709,041 2,709,042 2,711,289 2,711,290 2,712,414 2,712,415 2,713,456 2,713,457 2,713,458 2,715,995 2,715,996 2,715,997	106: 2,717,737 117: 2,715,998 122: 2,699,897 123: 2,720,362 130: 2,715,498 2,724,554 131: 2,723,081 133: 2,702,670 2,709,044 134: 2,722,382 137: 2,710,145 2,715,999 2,722,383 138: 2,701,100 139: 2,716,524 144: 2,714,992 2,721,703 2,726,040 145: 2,705,109 2,707,077 2,717,121 2,727,688 2,727,689 2,727,690 146: 2,727,690 1: 2,701,101 9: 2,700,505 2,703,679 10: 2,721,704 12: 2,700,506 2,708,071 2,708,551 2,713,972 2,714,488 13: 2,705,595 2,710,724 15: 2,698,717 2,706,083 2,714,993 20: 2,713,459 2,716,525 21: 2,707,078 2,717,381 25: 2,715,499 34: 2,710,146 38: 2,723,082 2,727,691 44: 2,717,122 2,725,196 45: 2,721,705 46: 2,719,672 48: 2,719,673 51: 2,706,084 62: 2,709,550 68: 2,699,292 75: 2,717,123 80: 2,702,671 2,716,000 86: 2,724,555 91: 2,714,994 92: 2,701,688 2,702,160 2,719,674 2,719,675 96: 2,709,551 99: 2,726,041 101: 2,715,500 237—	2,704,186 2,704,634 2,706,599 2,727,685 2,704,187 2,699,895 2,701,098 2,702,667 2,710,724 2,710,720 2,710,721 2,710,722 2,710,723 2,711,856 2,715,497 2,718,355 2,726,810 2,701,686 2,718,356 2,726,811 2,727,684 2,712,898 2,720,360 2,698,715 2,714,986 2,714,987 2,714,988 2,721,697 2,728,526 2,702,159 2,710,141 2,710,405 2,721,698 2,722,376 2,722,377 2,721,032 2,701,687 2,706,081 2,710,142 2,701,099 2,714,989 2,714,990 2,707,592 2,719,006 2,724,552 2,702,668 2,706,082 2,714,991 2,718,357 2,702,669 2,706,600 2,710,143 2,725,194 2,722,378 2,698,716 2,725,195 2,727,686 2,709,043 2,710,144 2,712,899 2,713,971 2,699,291 2,699,896 2,703,678 2,707,590 2,707,591 2,708,070 2,709,041 2,709,042 2,711,289 2,711,290 2,712,414 2,712,415 2,713,456 2,713,457 2,713,458 2,715,995 2,715,996 2,715,997	106: 2,717,737 117: 2,715,998 122: 2,699,897 123: 2,720,362 130: 2,715,498 2,724,554 131: 2,723,081 133: 2,702,670 2,709,044 134: 2,722,382 137: 2,710,145 2,715,999 2,722,383 138: 2,701,100 139: 2,716,524 144: 2,714,992 2,721,703 2,726,040 145: 2,705,109 2,707,077 2,717,121 2,727,688 2,727,689 2,727,690 146: 2,727,690 1: 2,701,101 9: 2,700,505 2,703,679 10: 2,721,704 12: 2,700,506 2,708,071 2,708,551 2,713,972 2,714,488 13: 2,705,595 2,710,724 15: 2,698,717 2,706,083 2,714,993 20: 2,713,459 2,716,525 21: 2,707,078 2,717,381 25: 2,715,499 34: 2,710,146 38: 2,723,082 2,727,691 44: 2,717,122 2,725,196 45: 2,721,705 46: 2,719,672 48: 2,719,673 51: 2,706,084 62: 2,709,550 68: 2,699,292 75: 2,717,123 80: 2,702,671 2,716,000 86: 2,724,555 91: 2,714,994 92: 2,701,688 2,702,160 2,719,674 2,719,675 96: 2,709,551 99: 2,726,041 101: 2,715,500 237—	2,704,186 2,704,634 2,706,599 2,727,685 2,704,187 2,699,895 2,701,098 2,702,667 2,710,724 2,710,720 2,710,721 2,710,722 2,710,723 2,711,856 2,715,497 2,718,355 2,726,810 2,701,686 2,718,356 2,726,811 2,727,684 2,712,898 2,720,360 2,698,715 2,714,986 2,714,987 2,714,988 2,721,697 2,728,526 2,702,159 2,710,141 2,710,405 2,721,698 2,722,376 2,722,377 2,721,032 2,701,687 2,706,081 2,710,142 2,701,099 2,714,989 2,714,990 2,707,592 2,719,006 2,724,552 2,702,668 2,706,082 2,714,991 2,718,357 2,702,669 2,706,600 2,710,143 2,725,194 2,722,378 2,698,716 2,725,195 2,727,686 2,709,043 2,710,144 2,712,899 2,713,971 2,699,291 2,699,896 2,703,678 2,707,590 2,707,591 2,708,070 2,709,041 2,709,042 2,711,289 2,711,290 2,712,414 2,712,415 2,713,456 2,713,457 2,713,458 2,715,995 2,715,996 2,715,997	106: 2,717,737 117: 2,715,998 122: 2,699,897 123: 2,720,362 130: 2,715,498 2,724,554 131: 2,723,081 133: 2,702,670 2,709,044 134: 2,722,382 137: 2,710,145 2,715,999 2,722,383 138: 2,701,100 139: 2,716,524 144: 2,714,992 2,721,703 2,726,040 145: 2,705,109 2,707,077 2,717,121 2,727,688 2,727,689 2,727,690 146: 2,727,690 1: 2,701,101 9: 2,700,505 2,703,679 10: 2,721,704 12: 2,700,506 2,708,071 2,708,551 2,713,972 2,714,488 13: 2,705,595 2,710,724 15: 2,698,717 2,706,083 2,714,993 20: 2,713,459 2,716,525 21: 2,707,078 2,717,381 25: 2,715,499 34: 2,710,146 38: 2,723,082 2,727,691 44: 2,717,122 2,725,196 45: 2,721,705 46: 2,719,672 48: 2,719,673 51: 2,706,084 62: 2,709,550 68: 2,699,292 75: 2,717,123 80: 2,702,671 2,716,000 86: 2,724,555 91: 2,714,994 92: 2,701,688 2,702,160 2,719,674 2,719,675 96: 2,709,551 99: 2,726,041 101: 2,715,500 237—	2,704,186 2,704,634 2,706,599 2,727,685 2,704,187 2,699,895 2,701,098 2,702,667 2,710,724 2,710,720 2,710,721 2,710,722 2,710,723 2,711,856 2,715,497 2,718,355 2,726,810 2,701,686 2,718,356 2,726,811 2,727,684 2,712,898 2,720,360 2,698,715 2,714,986 2,714,987 2,714,988 2,721,697 2,728,526 2,702,159 2,710,141 2,710,405 2,721,698 2,722,376 2,722,377 2,721,032 2,701,687 2,706,081 2,710,142 2,701,099 2,714,989 2,714,990 2,707,592 2,719,006 2,724,552 2,702,668 2,706,082 2,714,991 2,718,357 2,702,669 2,706,600 2,710,143 2,725,194 2,722,378 2,698,716 2,725,195 2,727,686 2,709,043 2,710,144 2,712,899 2,713,971 2,699,291 2,699,896 2,703,678 2,707,590 2,707,591 2,708,070 2,709,041 2,709,042 2,711,289 2,711,290 2,712,414 2,712,415 2,713,456 2,713,457 2,713,458 2,715,995 2,715,996 2,715,997	106: 2,717,737 117: 2,715,998 122: 2,699,897 123: 2,720,362 130: 2,715,498 2,724,554 131: 2,723,081 133: 2,702,670 2,709,044 134: 2,722,382 137: 2,710,145 2,715,999 2,722,383 138: 2,701,100 139: 2,716,524 144: 2,714,992 2,721,703 2,726,040 145: 2,705,109 2,707,077 2,717,121 2,727,688 2,727,689 2,727,690 146: 2,727,690 1: 2,701,101 9: 2,700,505 2,703,679 10: 2,721,704 12: 2,700,506 2,708,071 2,708,551 2,713,972 2,714,488 13: 2,705,595 2,710,724 15: 2,698,717 2,706,083 2,714,993 20: 2,713,459 2,716,525 21: 2,707,078 2,717,381 25: 2,715,499 34: 2,710,146 38: 2,723,082 2,727,691 44: 2,717,122 2,725,196 



242— 55. 2:	2, 707, 595	242— 99:	2, 712, 908	244— 75:	2, 704, 646	244— 150:	2, 716, 010	248— 54:	2, 713, 982	248— 214:	2, 711, 300
	2, 711, 860		2, 717, 129	77:	2, 698, 723	151:	2, 719, 686	55:	2, 705, 119		2, 721, 718
	2, 726, 823	100:	2, 727, 702		2, 699, 301		2, 725, 204		2, 715, 003		2, 726, 836
55. 3:	2, 702, 672	107:	2, 701, 693		2, 701, 111		2, 726, 832	56:	2, 727, 709	215:	2, 707, 610
	2, 722, 387		2, 705, 115		2, 704, 647	152:	2, 703, 212	57:	2, 713, 983		2, 711, 873
	2, 726, 824		2, 706, 603		2, 705, 116	153:	2, 699, 307	60:	2, 707, 607	216:	2, 699, 311
55. 4:	2, 708, 076		2, 726, 826		2, 707, 085	154:	2, 698, 724	62:	2, 707, 608		2, 709, 562
	2, 726, 825	113:	2, 707, 599		2, 707, 602	246— 3:	2, 728, 851		2, 714, 497	221:	2, 699, 312
55. 5:	2, 701, 110	116:	2, 709, 051		2, 709, 053	26:	2, 700, 727		2, 721, 050		2, 708, 087
	2, 701, 692	117:	2, 708, 080		2, 710, 156		2, 721, 932		2, 725, 207		2, 710, 735
	2, 703, 208	119:	2, 714, 997		2, 710, 729	28:	2, 710, 341	63:	2, 722, 393		2, 716, 533
	2, 704, 640	122:	2, 721, 043		2, 710, 730	30:	2, 702, 342	67. 7:	2, 709, 058		2, 721, 719
	2, 709, 049	124:	2, 704, 642		2, 717, 132	31:	2, 708, 715	68:	2, 712, 916	223:	2, 708, 088
	2, 710, 151	128:	2, 713, 464		2, 723, 089	33:	2, 703, 839	71:	2, 701, 115		2, 717, 140
	2, 710, 152		2, 723, 809		2, 723, 813	34:	2, 713, 633	72:	2, 703, 688	224:	2, 722, 394
56:	2, 718, 362		2, 727, 703		2, 724, 564		2, 719, 909	73:	2, 712, 917	226:	2, 709, 563
	2, 724, 562	130:	2, 702, 675		2, 727, 705		2, 721, 933	74:	2, 709, 558		2, 711, 874
	2, 728, 532		2, 704, 643	79:	Re. 23,936	39:	2, 702, 851	75:	2, 712, 425		2, 723, 823
58:	2, 703, 681		2, 711, 293	81:	2, 716, 009	63:	2, 716, 186		2, 717, 136		2, 726, 837
	2, 703, 682		2, 712, 909	82:	Re. 23,938		2, 719, 910	85:	2, 720, 371	229:	2, 713, 469
	2, 706, 092		2, 713, 979		2, 718, 365	107:	2, 712, 595	89:	2, 725, 208	230:	2, 705, 121
	2, 714, 996	131:	2, 710, 155	83:	2, 705, 117	124:	2, 715, 178	99:	2, 717, 137	231:	2, 703, 216
	2, 721, 709		2, 725, 202		2, 711, 867	130:	2, 705, 280	100:	2, 710, 732		2, 726, 058
61:	2, 699, 298	135:	2, 711, 294		2, 719, 684		2, 710, 342	101:	2, 715, 004	232:	2, 709, 564
62:	2, 712, 907	149:	2, 718, 363		2, 720, 368		2, 718, 588	103:	2, 711, 872	236:	2, 702, 175
	2, 716, 006	150:	2, 701, 694		2, 721, 713		2, 719, 218	106:	2, 717, 753	237:	2, 699, 313
63:	2, 706, 093		2, 715, 505		2, 724, 565	134:	2, 700, 728		2, 723, 818	243:	2, 713, 985
64:	2, 703, 209		2, 720, 366		2, 725, 203	182:	2, 719, 911	107:	2, 703, 689		2, 723, 824
65:	2, 703, 683		2, 723, 088	85:	2, 721, 714		2, 719, 912	113:	2, 724, 570	244:	2, 703, 692
	2, 711, 861	155:	2, 714, 494	87:	2, 707, 603		2, 721, 258	117. 1:	2, 723, 097	245:	2, 719, 692
66:	2, 706, 094	156:	2, 726, 828	90:	2, 718, 366		2, 727, 138		2, 727, 710	246:	2, 727, 711
68:	2, 713, 462	157:	2, 699, 905	99:	2, 719, 015	219:	2, 721, 934	117. 2:	2, 702, 174	251:	2, 726, 059
70:	2, 702, 165		2, 706, 604	100:	2, 722, 389	240:	2, 707, 230	120:	2, 699, 309	255:	2, 703, 693
71:	2, 702, 673		2, 726, 827	102:	2, 701, 695	247:	2, 701, 301		2, 699, 910		2, 706, 100
	2, 709, 050		2, 727, 704		2, 719, 016	253:	2, 706, 772		2, 699, 911	262:	2, 720, 373
	2, 719, 679		2, 728, 536		2, 720, 369	428:	2, 700, 519		2, 699, 912	264:	2, 698, 727
	2, 721, 041	158:	2, 713, 980		2, 724, 566	437:	2, 715, 507		2, 700, 520		2, 703, 694
72:	2, 703, 684		2, 714, 998	103:	2, 699, 302	452:	2, 712, 914		2, 700, 521		2, 717, 755
	2, 703, 685	159:	2, 716, 008	105:	2, 718, 367	464:	2, 707, 606		2, 700, 522	278:	2, 698, 728
	2, 707, 082	161:	2, 702, 167		2, 718, 368	477:	2, 708, 557		2, 702, 682		2, 709, 565
	2, 707, 596	243— 16:	2, 712, 910	107:	2, 711, 868	247— 77:	2, 711, 864		2, 704, 194		2, 717, 141
	2, 711, 862		2, 723, 810	108:	2, 715, 000	248— 4:	2, 702, 173		2, 705, 120	280:	2, 700, 524
	2, 711, 863	18:	2, 710, 728	110:	2, 712, 912	5:	2, 715, 508		2, 706, 099	286:	2, 705, 122
	2, 717, 128		2, 722, 388	111:	2, 707, 604		2, 720, 370		2, 709, 559	291:	2, 700, 525
	2, 721, 042	19:	2, 698, 721		2, 717, 745		2, 722, 391		2, 710, 160	292:	2, 711, 875
	2, 723, 086	29:	2, 703, 687	113:	2, 709, 054	9:	2, 710, 158		2, 716, 532	298:	2, 709, 060
	2, 723, 805		2, 705, 602		2, 723, 091	10:	2, 705, 118		2, 728, 544	302:	2, 701, 702
	2, 727, 700	31:	2, 698, 722	114:	2, 726, 830		2, 717, 746		2, 728, 545	309:	2, 699, 314
73:	2, 705, 112		2, 719, 681		2, 728, 539	11:	2, 717, 134	124:	2, 703, 690		2, 702, 683
74:	2, 704, 641	38:	2, 709, 555	116:	2, 704, 193	13:	2, 701, 698	125:	2, 716, 012	312:	2, 703, 695
	2, 714, 493	1:	2, 720, 367	118:	2, 710, 731	14:	2, 716, 530	128:	2, 712, 426	313:	2, 707, 611
	2, 719, 013		2, 723, 811		2, 715, 001	15:	2, 728, 541		2, 723, 098	314:	2, 709, 061
	2, 720, 364	2:	2, 707, 600	121:	2, 716, 529	18:	2, 707, 088	129:	2, 707, 090	315:	2, 701, 114
75:	2, 700, 513		2, 713, 465		2, 726, 054		2, 711, 297		2, 723, 814	323:	2, 702, 176
	2, 707, 083		2, 717, 130	122:	Re. 23,981	19:	2, 722, 392		2, 723, 814	340:	2, 699, 315
	2, 708, 554		2, 721, 044		2, 702, 677	20:	2, 706, 606		2, 708, 084	343:	2, 700, 526
	2, 710, 153	3:	2, 716, 527		2, 707, 086		2, 708, 084	146:	2, 701, 700		2, 704, 195
	2, 710, 154	6:	2, 723, 812		2, 707, 087		2, 717, 135	147:	2, 726, 833		2, 711, 876
	2, 723, 806		2, 703, 210		2, 708, 083	22:	2, 702, 681	150:	2, 723, 099		2, 721, 720
76:	2, 728, 533		2, 717, 131		2, 709, 556		2, 706, 607	151:	2, 724, 571	344:	2, 708, 089
77:	2, 710, 727	7:	2, 699, 299		2, 709, 557		2, 711, 871	153:	2, 719, 689	346:	2, 713, 471
	2, 726, 050		2, 702, 168		2, 726, 055	23:	2, 711, 298	154:	2, 715, 005	353:	2, 707, 091
78:	2, 699, 904		2, 708, 081		2, 726, 831		2, 721, 049		2, 725, 209	354:	2, 699, 914
	2, 716, 007		2, 711, 295	127:	2, 710, 157		2, 716, 011	158:	2, 701, 701		2, 705, 605
	2, 726, 051		2, 712, 420		2, 728, 540	24:	2, 717, 747	160:	2, 706, 608		2, 711, 301
79:	2, 708, 078		2, 712, 911		2, 721, 715		2, 719, 017		2, 715, 006		2, 714, 498
82:	2, 700, 514		2, 715, 506	130:	2, 727, 706	26:	2, 717, 748	161:	2, 703, 691		2, 719, 693
	2, 702, 166				2, 699, 303	27:	2, 711, 299	164:	2, 710, 733		2, 721, 051
	2, 703, 686	10:	2, 714, 495	134:	2, 699, 304		2, 717, 749	165:	2, 723, 819		2, 723, 100
	2, 717, 743	12:	2, 716, 528		2, 701, 696		2, 728, 542	166:	2, 706, 609		2, 725, 210
83:	2, 723, 807		2, 718, 364		2, 701, 696	27. 8:	2, 717, 750		2, 717, 751	357:	2, 727, 712
	2, 723, 807		2, 721, 045		2, 723, 092		2, 725, 205	168:	2, 706, 610	358:	2, 704, 196
84. 1:	2, 705, 601		2, 726, 829		2, 713, 981	28:	2, 709, 055	169:	2, 709, 560		2, 705, 606
	2, 728, 534	13:	2, 719, 014		2, 726, 056	29:	2, 709, 056	171:	2, 708, 559		2, 715, 510
	2, 728, 535	14:	2, 704, 644		2, 699, 908		2, 723, 815	174:	2, 707, 609		2, 720, 374
84. 3:	2, 711, 865	15:	2, 700, 515	137:	2, 702, 678		2, 723, 816		2, 713, 984		2, 723, 825
	2, 723, 808	17. 11:	2, 702, 169		2, 723, 093		2, 724, 568		2, 715, 509		2, 728, 546
84. 4:	2, 705, 113		2, 702, 170		2, 700, 517		2, 723, 096		2, 723, 820		2, 723, 826
	2, 708, 077	17. 17:	2, 702, 171	138:	2, 700, 518	31:	2, 723, 817	178:	2, 709, 059	360:	2, 723, 826
	2, 708, 079	17. 23:	2, 707, 601		2, 706, 097	34:	2, 723, 817		2, 710, 734	361:	2, 700, 527
	2, 709, 554		2, 728, 537		2, 706, 605	38:	2, 698, 725		2, 717, 749		2, 715, 008
	2, 711, 292		2, 704, 192		2, 712, 913		2, 714, 496	179:	2, 723, 821		2, 726, 060
	2, 712, 419	26:	2, 708, 082		2, 713, 466	40:	2, 719, 687	180:	2, 715, 007		2, 726, 838
	2, 713, 463	31:	2, 721, 712		2, 713, 467	41:	2, 718, 370		2, 726, 834		2, 717, 756
	2, 724, 563	32:	2, 709, 052		2, 721, 048		2, 728, 543	181:	2, 700, 523	249— 1:	2, 701, 703
	2, 726, 052	35:	Re. 24,099		2, 702, 679	42:	2, 707, 089	183:	2, 717, 138	2:	2, 704, 197
84. 5:	2, 706, 602	42:	2, 700, 516	139:	2, 719, 685		2, 724, 569		2, 719, 690	3:	2, 717, 142
	2, 707, 597		2, 702, 676		2, 701, 685		2, 725, 206	186:	2, 713, 468		2, 720, 375
	2, 713, 978		2, 708, 556		2, 702, 680		2, 727, 707		2, 720, 372		2, 702, 177
	2, 715, 503	46:	2, 699, 300		2, 703, 211	43:	2, 699, 909				



250—	6: 2, 708, 716 2, 709, 218 2, 710, 343 2, 712, 596 2, 717, 956 2, 721, 935 2, 722, 598 2, 726, 325 7: 2, 707, 749 2, 713, 116 2, 721, 259 8: 2, 703, 361 2, 712, 061 2, 715, 677 2, 719, 913 10: 2, 714, 655 13: 2, 705, 752 2, 706, 242 2, 706, 243 2, 707, 750 2, 710, 344 15: 2, 699, 495 2, 699, 496 2, 703, 362 2, 706, 244 2, 706, 773 2, 708, 236 2, 718, 589 2, 719, 914 2, 728, 852 16: 2, 700, 729 2, 706, 774 2, 722, 599 17: 2, 703, 363 2, 704, 323 2, 705, 281 2, 710, 345 2, 714, 656 2, 717, 309 2, 720, 582 20: 2, 698, 897 2, 699, 497 2, 699, 498 2, 700, 101 2, 700, 730 2, 701, 302 2, 702, 343 2, 702, 344 2, 702, 852 2, 704, 324 2, 704, 325 2, 704, 805 2, 704, 806 2, 704, 807 2, 704, 808 2, 706, 245 2, 706, 775 2, 706, 776 2, 706, 777 2, 708, 237 2, 708, 238 2, 709, 219 2, 710, 346 2, 710, 347 2, 711, 477 2, 712, 062 2, 712, 063 2, 712, 597 2, 712, 598 2, 712, 599 2, 712, 603 2, 713, 117 2, 713, 118 2, 713, 634 2, 714, 157 2, 714, 158 2, 714, 159 2, 714, 657 2, 715, 179 2, 715, 180 2, 718, 590 2, 719, 219 2, 719, 220 2, 719, 221 2, 719, 222 2, 719, 223 2, 719, 915 2, 719, 916 2, 720, 583 2, 721, 260 2, 721, 936 2, 722, 600 2, 723, 345 2, 724, 772 2, 725, 466 2, 725, 467 2, 725, 468 2, 725, 469 2, 726, 326 2, 726, 327 2, 727, 139 2, 727, 140 2, 727, 986 2, 728, 853 27: Re.23,932	250—	27: Re.24,070 2, 698, 898 2, 698, 899 2, 698, 900 2, 699, 499 2, 700, 102 2, 700, 103 2, 700, 731 2, 700, 732 2, 701, 303 2, 701, 304 2, 701, 305 2, 701, 306 2, 701, 841 2, 702, 853 2, 702, 854 2, 702, 855 2, 702, 856 2, 702, 857 2, 703, 364 2, 704, 326 2, 704, 809 2, 705, 282 2, 706, 246 2, 706, 247 2, 706, 248 2, 707, 751 2, 708, 239 2, 708, 240 2, 708, 241 2, 708, 717 2, 708, 718 2, 709, 746 2, 709, 747 2, 709, 748 2, 710, 348 2, 710, 349 2, 710, 350 2, 710, 351 2, 710, 913 2, 710, 914 2, 710, 915 2, 711, 478 2, 712, 064 2, 712, 065 2, 712, 066 2, 712, 600 2, 712, 601 2, 713, 119 2, 713, 120 2, 713, 635 2, 714, 160 2, 714, 658 2, 715, 181 2, 715, 182 2, 715, 183 2, 715, 678 2, 715, 679 2, 716, 187 2, 716, 188 2, 716, 189 2, 717, 310 2, 717, 311 2, 717, 957 2, 717, 958 2, 718, 591 2, 719, 224 2, 719, 225 2, 719, 226 2, 719, 227 2, 719, 228 2, 719, 229 2, 719, 917 2, 719, 918 2, 720, 584 2, 720, 585 2, 720, 586 2, 720, 587 2, 721, 261 2, 721, 262 2, 721, 937 2, 721, 938 2, 722, 601 2, 722, 602 2, 722, 603 2, 722, 604 2, 722, 605 2, 723, 346 2, 723, 347 2, 724, 050 2, 724, 051 2, 724, 771 2, 725, 470 2, 725, 471 2, 725, 472 2, 726, 328 2, 726, 329 2, 726, 330 2, 727, 141 2, 727, 142 2, 727, 143 2, 727, 144 2, 727, 987 2, 727, 988 2, 727, 989	250—	27: 2, 727, 990 2, 727, 991 2, 727, 992 2, 728, 854 31: 2, 704, 810 2, 713, 636 36: Re.24,053 2, 698, 903 2, 698, 904 2, 699, 503 2, 701, 309 2, 701, 310 2, 701, 311 2, 701, 842 2, 702, 348 2, 702, 349 2, 702, 350 2, 702, 351 2, 702, 861 2, 704, 328 2, 704, 329 2, 704, 330 2, 704, 812 2, 705, 284 2, 705, 285 2, 705, 286 2, 705, 287 2, 705, 755 2, 705, 756 2, 706, 249 2, 706, 250 2, 706, 251 2, 706, 782 2, 706, 783 2, 706, 784 2, 706, 785 2, 706, 786 2, 707, 231 2, 707, 232 2, 707, 233 2, 707, 234 2, 707, 235 2, 707, 752 2, 708, 222 2, 708, 719 2, 708, 720 2, 709, 749 2, 710, 353 2, 710, 918 2, 710, 919 2, 710, 920 2, 710, 921 2, 710, 922 2, 710, 923 2, 712, 068 2, 712, 069 2, 712, 070 2, 712, 071 2, 712, 605 2, 712, 606 2, 713, 122 2, 173, 638 2, 713, 639 2, 714, 162 2, 714, 163 2, 714, 660 2, 714, 661 2, 714, 662 2, 714, 663 2, 715, 185 2, 715, 680 2, 716, 192 2, 716, 704 2, 717, 313 2, 717, 959 2, 717, 960 2, 717, 961 2, 718, 593 2, 718, 594 2, 719, 231 2, 719, 232 2, 720, 591 2, 720, 592 2, 721, 264 2, 721, 265 2, 721, 266 2, 721, 267 2, 721, 268 2, 722, 606 2, 722, 607 2, 724, 055 2, 724, 775 2, 724, 776 2, 724, 777 2, 724, 778 2, 725, 474 2, 725, 475 2, 725, 476 2, 726, 331 2, 726, 332 2, 726, 333 2, 727, 145 2, 727, 146 2, 727, 993 2, 728, 855	250—	36: 2, 728, 856 2, 728, 857 2, 728, 858 37: 2, 722, 608 39: 2, 703, 365 40: 2, 699, 504 2, 705, 288 2, 706, 252 2, 706, 787 2, 715, 681 2, 719, 923 2, 721, 269 2, 723, 348 2, 726, 334 2, 727, 147 2, 727, 148 2, 727, 149 2, 727, 994 41. 9: 2, 698, 905 2, 699, 505 2, 700, 107 2, 703, 843 2, 706, 788 2, 709, 222 2, 709, 750 2, 710, 354 2, 712, 072 2, 712, 073 2, 712, 074 2, 712, 075 2, 712, 076 2, 712, 077 2, 712, 078 2, 712, 079 2, 713, 123 2, 713, 640 2, 713, 641 2, 714, 164 2, 714, 165 2, 714, 166 2, 714, 664 2, 714, 665 2, 714, 666 2, 714, 667 2, 715, 186 2, 715, 682 2, 715, 683 2, 718, 595 2, 718, 596 2, 719, 233 2, 719, 924 2, 720, 593 2, 721, 270 2, 721, 271 2, 721, 272 2, 721, 273 2, 724, 056 2, 724, 057 2, 724, 058 2, 725, 477 2, 725, 478 2, 725, 479 2, 725, 480 2, 725, 481 2, 726, 335 2, 726, 336 2, 727, 150 2, 727, 151 2, 727, 152 2, 727, 995 42: 2, 721, 941 43: 2, 702, 862 43. 5: 2, 700, 734 2, 703, 844 2, 706, 253 2, 706, 254 2, 706, 789 2, 708, 721 2, 709, 751 2, 713, 124 2, 714, 167 2, 714, 168 2, 718, 597 2, 720, 594 2, 721, 942 2, 722, 609 44: 2, 723, 349 49: 2, 725, 482 2, 728, 859 49. 5: 2, 702, 863 2, 712, 607 2, 717, 962 2, 717, 963 2, 719, 925 2, 724, 059 2, 727, 153 50: 2, 717, 314 51: 2, 711, 480 52: 2, 704, 331 2, 709, 752 2, 710, 924 2, 713, 125 53: 2, 725, 483 55: 2, 712, 080 57: 2, 700, 735	250—	58: 2, 718, 598 60: 2, 712, 608 61. 5: 2, 720, 596 65: 2, 703, 366 2, 711, 481 2, 719, 926 66: 2, 709, 221 68: 2, 709, 223 2, 726, 337 71: 2, 698, 906 2, 700, 108 2, 702, 864 2, 705, 757 2, 705, 758 2, 707, 236 2, 707, 237 2, 714, 169 2, 715, 684 2, 720, 595 2, 721, 943 2, 723, 350 2, 725, 484 2, 727, 154 71. 5: 2, 725, 485 77: 2, 711, 482 2, 721, 274 79: 2, 728, 860 83: 2, 700, 736 2, 714, 668 83. 1: 2, 721, 944 2, 726, 338 83. 3: Re.23,997 2, 700, 109 2, 706, 790 2, 706, 791 2, 706, 792 2, 708, 242 2, 717, 964 2, 721, 275 2, 714, 166 2, 700, 110 2, 701, 312 2, 702, 352 2, 703, 367 2, 705, 289 2, 706, 793 2, 709, 753 2, 709, 754 2, 710, 925 2, 711, 483 2, 711, 484 2, 712, 081 2, 712, 609 2, 712, 610 2, 714, 669 2, 721, 276 2, 721, 945 2, 722, 610 2, 723, 351 2, 724, 060 2, 724, 779 2, 725, 486 2, 727, 155 2, 728, 861 2, 728, 862 84: 2, 714, 170 88: 2, 705, 290 92: 2, 727, 156 95: 2, 717, 315 102: 2, 719, 234 105: 2, 711, 485 2, 722, 611 106: 2, 700, 111 108: 2, 716, 705 2, 726, 339 2, 727, 996 200: 2, 713, 642 204: 2, 721, 277 207: 2, 702, 865 2, 707, 238 2, 711, 486 2, 717, 316 2, 728, 863 2, 719, 235 2, 725, 487 215: 2, 716, 193 217: 2, 711, 479 2, 727, 157 2, 727, 997 219: 2, 712, 611 222: 2, 719, 236 239: 2, 709, 224 251—	251—	28: 2, 722, 395 2, 728, 547 30: 2, 705, 608 2, 708, 092 35: 2, 699, 316 36: 2, 723, 101 44: 2, 709, 063 49: 2, 726, 839 50: Re.23,985 51: 2, 710, 736 52: 2, 698, 730 54: 2, 703, 696 58: 2, 708, 093 61: 2, 702, 685 2, 704, 648 2, 705, 123 2, 710, 162 2, 712, 427 2, 715, 009 2, 720, 378 62: 2, 707, 612 2, 726, 840 63: 2, 712, 428 64: 2, 716, 014 66: 2, 701, 116 2, 716, 015 68: 2, 699, 317 74: 2, 715, 010 77: 2, 725, 211 81: 2, 722, 396 84: 2, 718, 371 85: 2, 710, 163 86: 2, 713, 986 2, 717, 757 88: 2, 723, 828 96: 2, 723, 102 100: 2, 723, 829 110: 2, 722, 397 120: 2, 709, 064 2, 726, 841 121: 2, 699, 915 122: 2, 725, 212 124: 2, 717, 758 129: 2, 708, 561 130: 2, 712, 429 2, 717, 759 134: 2, 721, 721 2, 723, 830 137: 2, 704, 649 141: 2, 722, 398 2, 727, 715 147: 2, 712, 918 148: 2, 709, 566 2, 715, 512 149: 2, 722, 399 155: 2, 723, 831 156: 2, 716, 535 158: 2, 699, 318 159: 2, 702, 178 162: 2, 705, 609 2, 707, 613 163: 2, 708, 094 2, 711, 302 2, 716, 016 2, 719, 022 166: 2, 700, 528 172: Re.24,102 2, 698, 731 2, 726, 842 173: 2, 707, 614 174: 2, 701, 117 2, 718, 372 175: 2, 705, 610 176: 2, 722, 400 177: 2, 700, 529 181: 2, 708, 562 182: 2, 707, 092 188: 2, 699, 916 2, 713, 987 192: 2, 721, 722 196: 2, 728, 549 197: 2, 711, 877 212: 2, 719, 023 214: 2, 720, 379 2, 722, 401 215: 2, 708, 563 218: 2, 710, 737 229: 2, 708, 095 263: 2, 711, 303 2, 721, 053 264: 2, 701, 118 266: 2, 705, 124 278: 2, 710, 164 282: 2, 703, 217 309: 2, 708, 096 317: 2, 728, 550 2, 728, 551 320: 2, 701, 119 322: 2, 713, 988 324: 2, 704, 650 2, 713, 989 2, 722, 402 331: 2, 716, 017 333: 2, 709, 065 2, 726, 843
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251— 335: 2, 702, 686 340: 2, 702, 179 357: 2, 718, 373 367: 2, 701, 705	252— 40: 2, 719, 122 2, 722, 516 40. 7: 2, 710, 837 2, 719, 123 41: 2, 710, 838 2, 712, 527 42: 2, 719, 124 2, 723, 957 42. 1: 2, 721, 844 2, 721, 845 42. 7: 2, 703, 786 2, 708, 660 2, 716, 090 2, 725, 357 2, 725, 358 45: 2, 704, 275 46. 4: 2, 726, 210 46. 6: 2, 706, 177 2, 712, 528 2, 715, 612 2, 718, 500 46. 7: 2, 709, 156 2, 714, 579 2, 719, 125 2, 722, 517 2, 722, 518 47: 2, 718, 501 2, 719, 126 2, 719, 827 47. 5: 2, 721, 177 2, 721, 178 48. 2: 2, 709, 682 2, 721, 179 49. 6: 2, 710, 839 2, 710, 840 2, 717, 242 2, 721, 180 2, 721, 181 2, 721, 846 2, 724, 698 49. 7: 2, 704, 276 49. 8: 2, 698, 835 2, 699, 429 2, 723, 237 2, 725, 359 49. 9: Re. 23, 979 2, 718, 502 51. 5: 2, 707, 172 2, 707, 173 2, 707, 174 2, 707, 175 2, 707, 705 2, 709, 157 2, 710, 841 2, 715, 108 2, 718, 503 2, 727, 862 55: 2, 727, 005 56: 2, 700, 022 2, 704, 277 2, 710, 282 2, 718, 504 2, 727, 006 57: 2, 710, 283 62. 5: 2, 700, 023 2, 703, 787 2, 705, 701 2, 714, 580 2, 715, 109 2, 723, 238 2, 723, 239 62. 9: 2, 721, 182 70: 2, 706, 716 2, 726, 211 73: 2, 706, 717 2, 726, 212 74: 2, 721, 183 75: 2, 700, 653 2, 710, 842 78: 2, 698, 836 2, 698, 837 2, 702, 793 2, 707, 176 2, 726, 213 89: 2, 702, 277 2, 704, 278 2, 709, 683 99: 2, 706, 178 106: 2, 727, 007 107: 2, 713, 036 109: 2, 715, 110 113: 2, 714, 093 117: 2, 702, 278 118: 2, 700, 654 121: 2, 704, 279 137: 2, 704, 280 2, 706, 179 2, 706, 180 2, 708, 183 2, 724, 699 2, 724, 700 138: 2, 712, 529 2, 717, 243 147: 2, 708, 184 152: 2, 702, 279	252— 152: 2, 711, 397 2, 714, 094 2, 717, 878 2, 721, 847 153: 2, 721, 848 154: 2, 728, 729 158: 2, 710, 843 161: 2, 702, 280 2, 703, 788 2, 708, 185 2, 709, 684 2, 709, 685 2, 709, 686 2, 709, 687 2, 712, 530 2, 723, 240 182: 2, 717, 879 187: 2, 719, 828 188: 2, 702, 281 2, 705, 222 192: 2, 701, 238 194: 2, 720, 492 301. 2: 2, 710, 284 2, 710, 285 301. 4: 2, 714, 095 2, 719, 127 2, 719, 128 2, 726, 214 2, 727, 863 2, 727, 864 301. 6: 2, 710, 286 2, 714, 581 2, 717, 244 2, 720, 493 2, 723, 958 2, 727, 865 2, 727, 866 2, 728, 730 2, 728, 731 305: 2, 719, 129 311: 2, 717, 880 311. 5: 2, 714, 582 313: 2, 703, 314 2, 708, 186 2, 724, 701 2, 726, 216 2, 727, 008 321: 2, 701, 239 2, 715, 613 2, 717, 881 2, 723, 959 2, 727, 009 2, 727, 867 329: 2, 702, 794 341: 2, 700, 024 2, 713, 559 2, 723, 960 344: 2, 723, 241 358: 2, 715, 614 367: 2, 723, 242 368: 2, 724, 702 373: 2, 719, 130 378: 2, 709, 158 383: 2, 728, 732 389: 2, 726, 215 392: 2, 712, 531 404: 2, 704, 746 408: 2, 722, 519 411: 2, 709, 688 2, 724, 703 2, 727, 010 413: 2, 704, 281 418: 2, 716, 091 421: 2, 718, 505 428: 2, 727, 011 435: 2, 704, 747 2, 713, 560 442: 2, 708, 187 445: 2, 721, 184 2, 725, 360 448: 2, 699, 430 2, 703, 315 2, 723, 243 449: 2, 727, 868 2, 728, 733 450: 2, 701, 240 451: 2, 701, 793 2, 719, 829 453: 2, 713, 037 455: 2, 703, 789 470: 2, 709, 159 2, 720, 494 472: 2, 707, 706 513: 2, 718, 506 516: 2, 714, 096 521: 2, 703, 790 24: 2, 701, 706 39: 2, 702, 687 39. 1: 2, 700, 530 2, 709, 567 39. 15: 2, 699, 917 2, 701, 120 2, 708, 564 59: 2, 726, 844 69: 2, 699, 319 2, 710, 165	253— 69: 2, 711, 304 2, 713, 990 77: 2, 709, 568 2, 709, 569 2, 713, 991 2, 714, 499 2, 715, 011 2, 727, 716 78: 2, 702, 688 254— 1: 2, 721, 723 2, 727, 717 2: 2, 712, 430 8: 2, 706, 102 11: 2, 710, 166 12: 2, 708, 097 16: 2, 717, 144 17: 2, 718, 374 18: 2, 704, 198 2, 709, 570 19: 2, 706, 103 24: 2, 719, 694 29: 2, 706, 613 2, 712, 920 50. 3: 2, 727, 718 67: 2, 715, 012 76: 2, 705, 125 80: 2, 723, 103 86: 2, 712, 431 88: 2, 708, 098 2, 712, 432 89: 2, 724, 572 94: 2, 709, 066 98: 2, 717, 145 100: 2, 707, 615 104: 2, 709, 571 106: 2, 715, 013 2, 716, 536 112: 2, 723, 104 121: 2, 712, 433 122: 2, 704, 199 2, 716, 537 131: 2, 701, 707 2, 704, 200 2, 718, 375 2, 726, 845 2, 727, 719 131. 5: 2, 716, 538 133: 2, 702, 689 2, 721, 724 134. 3: 2, 703, 218 2, 711, 878 2, 718, 376 2, 727, 720 2, 727, 721 134. 6: 2, 727, 722 135: 2, 699, 320 2, 704, 651 2, 727, 723 139. 1: 2, 715, 014 2, 720, 380 145: 2, 708, 565 146: 2, 719, 696 2, 719, 697 147: 2, 710, 167 149: 2, 709, 067 2, 723, 832 158: 2, 703, 219 161: 2, 704, 652 164: 2, 706, 614 166: 2, 703, 220 167: 2, 704, 201 171: 2, 698, 732 172: 2, 705, 611 2, 723, 833 173: 2, 705, 126 2, 709, 068 2, 712, 919 2, 727, 724 175. 5: 2, 726, 062 186: 2, 699, 918 2, 710, 168 2, 710, 738 187: 2, 699, 919 2, 700, 531 2, 718, 377 2, 725, 213 2, 726, 846 190: 2, 718, 378 2, 723, 105 193: 2, 723, 834 194: 2, 721, 054 197: 2, 728, 552 255— 1: 2, 707, 616 1. 4: 2, 698, 733 2, 701, 121 2, 704, 202 2, 707, 617 2, 709, 069 2, 717, 760 2, 721, 055 2, 728, 553 1. 6: 2, 699, 920 2, 706, 615 2, 708, 099 2, 709, 070	255— 1. 6: 2, 710, 169 2, 710, 170 2, 711, 879 2, 712, 434 2, 716, 539 2, 716, 540 2, 719, 024 2, 726, 847 2, 728, 554 1. 8: 2, 701, 122 2, 702, 180 2, 703, 697 2, 716, 541 2, 717, 761 2, 720, 381 2, 726, 063 2, 728, 555 2. 5: Re. 24, 083 2, 699, 321 3: 2, 713, 992 2, 714, 500 4: 2, 710, 739 2, 712, 920 2, 717, 762 4. 4: 2, 710, 740 2, 713, 472 2, 718, 379 2, 723, 106 4. 6: 2, 717, 763 4. 8: 2, 708, 566 14: 2, 702, 690 2, 728, 556 15: 2, 715, 015 16: 2, 705, 612 19: 2, 701, 124 2, 704, 653 2, 707, 618 2, 709, 071 2, 719, 698 2, 723, 835 20: 2, 705, 613 2, 726, 064 22: 2, 709, 572 2, 711, 880 23: 2, 698, 734 2, 707, 093 2, 719, 025 24: 2, 712, 921 2, 715, 016 2, 716, 018 27: 2, 706, 616 2, 710, 171 2, 717, 764 2, 721, 056 28: 2, 708, 100 2, 712, 435 2, 712, 436 2, 716, 542 2, 717, 146 2, 726, 848 35: 2, 703, 221 2, 705, 614 41: 2, 724, 573 45: 2, 704, 203 2, 704, 654 2, 708, 101 46: 2, 718, 380 2, 718, 381 47: 2, 721, 057 49: 2, 725, 214 50: 2, 702, 181 2, 716, 019 2, 721, 725 51: 2, 698, 735 2, 701, 125 2, 703, 222 2, 705, 127 2, 711, 305 2, 726, 066 2, 727, 725 53: 2, 707, 094 61: 2, 698, 736 2, 701, 126 2, 705, 128 2, 706, 104 2, 708, 102 2, 708, 567 2, 721, 058 2, 721, 059 2, 724, 574 2, 725, 215 2, 727, 726 2, 727, 727 2, 728, 557 63: 2, 706, 617 2, 707, 619 2, 709, 072 2, 727, 728 2, 728, 558 64: 2, 725, 216 69: 2, 709, 573 72: 2, 698, 737 2, 704, 655 2, 708, 103 2, 708, 104	255— 72: 2, 708, 105 2, 709, 574 2, 712, 922 2, 713, 473 2, 723, 836 2, 724, 575 2, 727, 729 73: 2, 698, 738 2, 716, 020 2, 727, 730 75: 2, 719, 699 76: 2, 699, 921 2, 705, 129 2, 710, 172 2, 719, 700 2, 719, 701 300: 2, 706, 618 2, 721, 726 302: 2, 719, 026 306: 2, 703, 698 310: 2, 701, 123 313: 2, 719, 027 2, 719, 028 314: 2, 710, 741 319: 2, 704, 204 324: 2, 713, 993 334: 2, 728, 559 256— 14: 2, 710, 173 19: 2, 718, 382 21: 2, 715, 513 22: 2, 720, 382 24: 2, 709, 073 2, 710, 174 2, 721, 727 2, 723, 107 25: 2, 702, 866 48: 2, 702, 182 2, 705, 130 2, 728, 560 64: 2, 701, 127 2, 721, 060 65: 2, 715, 017 1: 2, 709, 575 2, 716, 021 2: 2, 713, 994 3: 2, 701, 128 2, 702, 183 2, 708, 568 2, 712, 437 2, 713, 995 2, 715, 514 2, 715, 515 2, 723, 837 2, 724, 576 2, 724, 577 2, 726, 067 4: 2, 717, 765 2, 725, 217 6: 2, 701, 129 2, 705, 615 2, 708, 106 2, 717, 766 2, 723, 108 2, 726, 849 8: 2, 699, 922 2, 724, 578 9: 2, 700, 532 2, 703, 223 2, 721, 728 2, 724, 579 10: 2, 721, 729 28: 2, 699, 322 32: 2, 723, 109 36: 2, 706, 105 55: 2, 715, 018 80: 2, 711, 881 95: 2, 703, 224 2, 712, 923 2, 712, 924 104: 2, 721, 730 124: 2, 710, 175 2, 718, 383 2, 721, 731 133: 2, 708, 569 2, 709, 576 2, 722, 403 136: 2, 707, 620 137: 2, 699, 323 2, 704, 205 2, 722, 404 154: 2, 705, 616 190: 2, 704, 656 191: 2, 711, 882 201: 2, 703, 699 203: 2, 698, 739 211: 2, 700, 533 228: 2, 703, 225 236: 2, 715, 516 2, 717, 767 241: 2, 704, 656 2, 707, 095 2, 707, 096 2, 715, 019 2, 715, 517 242: 2, 721, 061
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257—	245:	2,699,324	259—	161:	2,723,112	260—	29.6:	2,700,026	260—45.75:	2,711,401	260—	78.4:	2,719,142	260—	92.8:	2,717,248
		2,703,700		165:	2,698,741			2,706,185		2,723,965			2,727,018			2,721,859
		2,705,617		167:	2,703,227			2,710,846		2,724,706		78.5:	2,703,317		93.1:	2,721,189
		2,728,561		172:	2,717,769			2,716,093		2,726,227			2,711,403			2,726,232
	246:	2,703,701		175:	2,708,570			2,720,496	45.8:	2,700,028			2,713,042		93.5:	2,708,665
		2,706,106		176:	2,722,408			2,721,852		2,702,797			2,716,104			2,714,101
		2,706,619		178:	2,698,742			2,723,246		2,727,879			2,716,105			2,715,118
		2,706,620			2,709,075	29.7:		2,702,285	45.85:	2,704,749			2,716,106			2,726,233
		2,712,438			2,717,147			2,713,040		2,719,140			2,717,247			2,727,884
	247:	2,713,996			2,719,133			2,719,133		2,721,187			2,717,886		94.8:	2,727,022
	256:	2,699,325	260—	2:	2,706,181			2,699,433	45.9:	2,701,241			2,723,967		94.9:	2,700,663
		2,701,130			2,706,182		30.2:	2,725,364		2,706,189			2,725,367			2,702,288
		2,725,218			2,712,532			2,706,186		2,716,096		79:	2,720,509			2,710,854
		2,715,518			2,714,583		30.4:	2,720,497		2,706,190		79.1:	2,700,658			2,713,044
262.12:		2,703,702			2,719,131			2,723,247		2,706,724			2,727,883			2,717,888
		2,720,383			2,721,849			2,707,177		2,707,179			2,728,748			2,717,889
262.16:		2,699,923			2,722,520		30.6:	2,710,847		2,709,692		79.3:	2,701,243			2,725,374
		2,713,997			2,723,244			2,728,738		2,714,099			2,703,793			2,726,234
		2,726,850			2,726,217		30.8:	2,705,225		2,714,585			2,709,163			2,727,023
	263:	2,703,226		2.1:	2,702,795		31.2:	2,710,848		2,715,113			2,717,887			2,727,024
		2,709,074			2,713,038			2,711,398		2,716,638			2,718,514			2,728,753
258—	7:	2,706,107			2,723,245			2,715,616		2,721,855			2,723,254			2,728,754
259—	1:	2,702,691			2,725,361			2,717,245		2,721,856			2,723,255			2,728,755
		2,702,692		2.3:	2,702,282		31.4:	2,711,999		2,721,857			2,723,256			2,728,756
		2,705,618			2,713,561		31.6:	2,700,656		2,723,966			2,723,257			2,728,757
		2,705,619			2,719,830		31.8:	2,699,434		2,727,880			2,725,368			2,728,758
		2,716,022		2.5:	2,698,838			2,703,791		2,728,743			2,728,749		96.5:	2,700,036
		2,717,768			2,706,183			2,709,691	47:	2,700,029		79.5:	2,700,659			2,700,664
		2,719,029			2,707,707			2,713,563		2,700,030			2,704,752			2,702,289
		2,725,219			2,708,661			2,727,013		2,712,000			2,710,291			2,710,855
3:		2,701,708			2,726,219		32.4:	2,717,883		2,712,001			2,713,572			2,714,586
		2,705,620		3:	2,699,431			2,728,739		2,713,569			2,723,968			2,716,113
		2,726,068			2,716,635		32.6:	2,706,720		2,716,097			2,723,969			2,717,890
	4:	2,704,206			2,716,636			2,706,721		2,717,885		79.7:	2,727,019			2,719,145
		2,724,580		4:	2,713,562			2,713,041		2,720,500			2,728,750			2,721,190
	6:	2,707,621		5:	2,710,287			2,719,134		2,728,744		80:	2,714,100			2,727,025
		2,716,023			2,721,185		32.8:	2,706,722		2,716,098		80.3:	2,727,020		97:	2,720,513
		2,721,062		6:	2,702,283			2,726,223		2,705,704		80.5:	2,700,660			2,720,514
	7:	2,720,384		8:	2,709,689		33.2:	2,717,884		2,703,792			2,712,537		97.5:	2,703,318
	8:	2,704,658		9:	2,725,362			2,718,509		2,715,114			2,718,515			2,703,795
		2,706,108		13:	2,710,844		33.4:	2,718,510		2,723,249			2,723,258			2,708,666
	9:	2,718,384			2,710,845		33.6:	2,702,286		2,716,099			2,725,369			2,710,856
		2,726,851		15:	2,706,718			2,706,187		2,728,751			2,728,751			2,727,885
		2,716,544			2,708,662			2,719,135		2,716,101		80.7:	2,723,259		97.6:	2,720,515
		2,719,030		16:	2,721,850			2,719,833		2,723,250			2,723,970			2,724,709
18:		2,724,581		17:	2,710,288		33.8:	2,718,511		2,723,251			2,724,707		99:	2,703,796
25:		2,705,131			2,719,132			2,720,498		2,723,252		82:	2,709,695			2,704,283
28:		2,725,220			2,726,220			2,723,963		2,701,242			2,712,538		102:	2,703,797
36:		2,723,838		17.2:	2,722,521		37:	2,704,748		2,713,570		82.5:	2,724,708			2,727,026
41:		2,722,405			2,722,522			2,709,161		2,726,228		83.3:	2,710,292		112:	2,702,799
43:		2,713,474			2,727,869			2,710,289		2,706,725			2,720,510			2,708,667
45:		2,712,925		17.3:	2,722,523			2,711,399		2,716,102		83.7:	2,708,664			2,709,164
51:		2,707,622		18:	Re.24,047			2,713,564		2,716,103		84.1:	2,702,798			2,710,293
54:		2,722,406			2,705,223			2,717,246		2,728,745			2,706,192			2,710,294
72:		2,722,407			2,707,708			2,718,512		2,706,191			2,716,107			2,710,857
		2,724,582			2,709,690			2,723,964		2,710,850		84.3:	2,715,115			2,713,045
		2,728,562		19:	2,718,507			2,727,876		2,713,571		85.5:	2,698,842			2,713,574
75:		2,710,742			2,725,363		38:	2,702,287		2,721,858			2,700,034			2,715,119
81:		2,726,069		22:	2,705,702			2,706,188	67.5:	2,700,031			2,701,244			2,719,837
84:		2,719,702			2,708,188			2,714,098		2,700,032			2,705,228			2,721,860
85:		2,712,439			2,713,039			2,726,224		2,700,033			2,706,727			2,722,526
95:		2,713,998			2,717,882		39:	2,721,853		2,704,750			2,706,728			2,723,972
		2,727,731			2,718,508		40:	2,710,849		2,709,693			2,712,004			2,723,973
96:		2,706,621			2,723,962		41:	2,700,027		2,715,619			2,713,043			2,726,235
		2,706,622			2,724,704			2,710,290		2,699,435		69:	2,713,573			2,727,027
107:		2,702,184			2,727,870			2,715,617		2,709,694			2,716,108			2,728,759
		2,726,070		23:	2,698,839			2,716,094		2,723,253			2,716,640		113:	2,721,861
108:		2,699,924			2,698,840			2,718,513		2,710,851			2,723,260		115:	2,710,858
		2,710,743			2,711,996			2,725,365		2,710,852			2,725,370		117:	2,713,575
		2,712,926			2,716,092			2,728,740		2,712,003			2,725,371			2,719,146
		2,723,839			2,716,637		41.5:	2,715,618		2,727,015			2,726,229		120:	2,702,800
109:		2,721,063			2,721,186			2,720,499		2,720,501			2,727,021		122:	2,705,230
		2,727,732		23.7:	2,702,284			2,727,014		2,711,402		85.7:	2,723,971		123.5:	2,712,539
110:		2,723,110			2,726,221			2,706,723		2,719,835		86.1:	2,718,516			2,712,540
113:		2,698,740			2,727,012		42:	2,713,565		2,720,502			2,720,511		123.7:	2,723,262
		2,726,071		25:	2,712,533		43:	2,728,741		2,720,503			2,726,230		124:	2,709,696
117:		2,702,693			2,726,222			2,721,854		2,720,504		86.3:	2,719,143			2,727,028
118:		2,700,534		26:	2,724,705		44:	2,727,877		2,720,505			2,703,794			2,727,029
		2,719,703		27:	2,706,184		45.2:	2,708,189		2,720,506		87.3:	2,700,661		139:	2,721,862
119:		2,719,031			2,709,160			2,712,535		2,720,507		87.5:	2,723,261			2,726,236
122:		2,711,306			2,727,871			2,715,111		2,722,524		88.1:	2,726,231			2,727,030
126:		2,701,131			2,727,872			2,726,225		2,725,366			2,728,752		140:	2,712,005
		2,707,097			2,727,873		45.5:	2,698,841		2,727,881			2,718,517			2,728,760
128:		2,713,475		28.5:	2,700,025			2,700,657		2,727,882		88.3:	2,719,144		141:	2,709,165
131:		2,699,925			2,700,655			2,705,226		2,704,751		88.7:	2,720,512		142:	2,707,181
132:		2,699,926			2,702,796			2,705,703		2,716,639			2,725,372		143:	2,709,166
133:		2,718,385			2,705,224			2,707,178								



260— 157: 2, 719, 840 2, 725, 377 158: 2, 726, 237 159: 2, 714, 589 160: 2, 726, 238 2, 727, 886 162: 2, 715, 120 163: 2, 728, 762 167: 2, 708, 668 172: 2, 710, 859 173: 2, 707, 182 2, 707, 183 2, 718, 518 2, 721, 864 2, 727, 887 175: 2, 712, 006 187: 2, 705, 708 192: 2, 711, 405 2, 713, 576 195: 2, 720, 517 198: 2, 714, 103 199: 2, 714, 590 2, 720, 518 200: 2, 709, 698 2, 711, 406 201: 2, 720, 519 202: 2, 727, 888 203: 2, 703, 319 205: 2, 714, 104 207: 2, 700, 037 2, 723, 264 207. 1: 2, 705, 709 2, 719, 841 2, 719, 842 209: 2, 709, 699 2, 712, 007 2, 715, 121 2, 719, 147 2, 719, 179 2, 719, 970 209. 5: 2, 727, 033 209. 6: 2, 727, 889 210: 2, 698, 843 2, 701, 794 2, 701, 795 2, 717, 892 2, 717, 893 2, 727, 890 210. 5: 2, 715, 122 211: 2, 703, 798 2, 704, 754 2, 715, 123 2, 717, 894 2, 727, 034 211. 3: 2, 726, 239 211. 5: 2, 698, 844 2, 700, 038 2, 710, 860 2, 712, 541 2, 713, 577 2, 719, 148 2, 719, 843 2, 719, 844 2, 728, 763 212: 2, 710, 861 215: 2, 714, 591 216: 2, 705, 231 223: 2, 722, 528 229: 2, 705, 710 2, 721, 865 232: 2, 711, 407 2, 715, 124 233. 3: 2, 698, 936 2, 698, 937 236: 2, 720, 520 2, 720, 521 2, 720, 522 2, 727, 891 236. 6: 2, 712, 008 239: 2, 708, 194 2, 710, 862 2, 723, 265 239. 1: 2, 699, 439 2, 700, 039 2, 701, 796 2, 709, 700 2, 710, 863 2, 710, 864 2, 712, 009 2, 712, 010 2, 713, 578 2, 719, 149 2, 721, 192 2, 721, 193 2, 721, 194 2, 721, 195 2, 721, 196 2, 721, 197 2, 721, 198 2, 727, 892 2, 728, 764 2, 728, 765 239. 3: 2, 698, 845 2, 702, 801 2, 716, 114 2, 716, 115	260—239. 3: 2, 721, 199 2, 723, 266 239. 5: 2, 705, 232 2, 709, 701 2, 714, 592 2, 720, 523 2, 720, 524 239. 55: 2, 700, 666 2, 702, 290 2, 702, 291 2, 703, 799 2, 705, 233 2, 705, 711 2, 707, 184 2, 711, 408 2, 715, 621 2, 716, 116 2, 719, 845 2, 726, 240 239. 57: 2, 705, 712 239. 7: 2, 700, 665 2, 712, 011 2, 712, 012 239. 75: 2, 703, 800 239. 9: 2, 721, 200 240: 2, 702, 292 2, 703, 320 2, 715, 622 2, 719, 150 2, 726, 241 240. 1: 2, 704, 755 2, 713, 579 2, 719, 151 2, 728, 766 240. 4: 2, 705, 713 2, 706, 193 2, 719, 152 240. 5: 2, 705, 234 240. 6: 2, 712, 013 2, 723, 267 240. 65: 2, 715, 623 240. 7: 2, 708, 669 2, 725, 378 242: 2, 704, 756 243: 2, 716, 117 2, 727, 035 2, 727, 036 244: 2, 701, 246 2, 714, 105 247: 2, 706, 194 2, 706, 195 247. 1: 2, 703, 801 2, 709, 168 2, 713, 046 247. 2: 2, 703, 802 2, 704, 284 2, 712, 014 247. 5: 2, 717, 249 247. 7: 2, 712, 015 2, 717, 895 248: 2, 712, 002 2, 719, 153 249: 2, 716, 645 2, 719, 154 249. 5: 2, 728, 767 249. 6: 2, 719, 155 2, 725, 379 249. 7: 2, 706, 729 2, 727, 037 249. 9: 2, 719, 156 250: 2, 705, 714 2, 710, 865 2, 712, 542 2, 723, 974 2, 724, 710 2, 728, 768 251: 2, 704, 757 251. 5: 2, 710, 866 2, 717, 250 2, 719, 157 252: 2, 705, 715 2, 721, 866 253: 2, 703, 803 2, 711, 409 2, 711, 410 2, 711, 411 2, 712, 016 2, 715, 624 2, 721, 867 256: 2, 700, 667 2, 715, 125 256. 4: 2, 704, 285 2, 707, 185 2, 710, 295 2, 710, 867 2, 715, 625 2, 719, 846 2, 723, 975 2, 723, 976 2, 723, 977 2, 723, 978 2, 723, 979 2, 727, 893 256. 5: 2, 724, 711 257: 2, 710, 868	260— 257: 2, 721, 201 2, 725, 380 260: 2, 698, 846 264: 2, 712, 017 268: 2, 698, 847 2, 700, 668 2, 708, 195 2, 709, 169 2, 717, 896 2, 722, 529 2, 724, 712 2, 724, 713 2, 727, 038 270: 2, 705, 716 271: 2, 714, 106 275: 2, 703, 321 2, 709, 170 276: 2, 726, 242 2, 727, 894 277: 2, 722, 530 279: 2, 709, 171 281: 2, 711, 412 2, 715, 126 2, 715, 127 283: 2, 704, 758 2, 719, 847 285: 2, 712, 018 2, 715, 626 2, 715, 627 2, 718, 519 2, 723, 268 285. 5: 2, 706, 196 286: 2, 700, 040 2, 700, 041 2, 719, 158 2, 719, 848 2, 720, 525 2, 728, 769 287: 2, 714, 593 2, 714, 594 2, 726, 243 288: 2, 706, 197 2, 713, 047 2, 714, 107 290: 2, 698, 848 2, 698, 849 2, 700, 042 2, 703, 804 2, 704, 759 2, 706, 730 2, 712, 019 2, 716, 118 2, 716, 119 2, 716, 120 2, 717, 897 2, 719, 159 2, 720, 526 2, 727, 895 2, 728, 770 2, 728, 771 292: 2, 706, 198 293. 4: 2, 702, 293 2, 715, 628 2, 717, 251 294: 2, 701, 797 294. 3: 2, 727, 039 2, 727, 040 294. 7: 2, 701, 247 2, 701, 798 2, 714, 108 2, 716, 121 2, 716, 122 2, 719, 160 2, 723, 269 294. 8: 2, 712, 020 2, 713, 048 2, 713, 049 2, 719, 161 2, 723, 270 2, 723, 381 294. 9: 2, 710, 869 2, 713, 050 2, 716, 646 295: 2, 703, 322 2, 704, 760 2, 712, 021 2, 713, 051 2, 713, 052 2, 714, 595 2, 723, 271 2, 723, 272 2, 723, 273 2, 726, 244 2, 726, 245 2, 727, 041 2, 727, 896 2, 727, 897 2, 728, 772 2, 728, 773 295. 5: 2, 702, 802 2, 708, 196 2, 714, 109 2, 721, 202 2, 721, 203 2, 724, 714	260— 296: 2, 712, 022 2, 712, 023 2, 727, 898 2, 728, 774 297: 2, 703, 323 2, 727, 899 2, 728, 775 299: 2, 704, 761 2, 713, 580 2, 720, 527 301: 2, 701, 799 302: 2, 702, 803 2, 713, 053 2, 721, 868 2, 726, 246 303: 2, 714, 596 2, 715, 128 304: 2, 700, 043 2, 704, 286 2, 713, 054 2, 713, 055 2, 713, 056 2, 715, 629 2, 715, 630 305: 2, 720, 528 306: 2, 725, 382 306. 7: 2, 701, 248 2, 719, 162 2, 721, 869 306. 8: 2, 708, 670 2, 708, 671 2, 709, 172 2, 721, 204 2, 724, 715 2, 725, 383 2, 726, 247 307: 2, 702, 804 2, 715, 631 2, 715, 632 2, 716, 647 2, 718, 520 2, 718, 521 2, 722, 531 2, 727, 042 308: 2, 700, 044 2, 700, 669 2, 710, 296 2, 710, 297 2, 713, 057 2, 713, 581 2, 714, 110 2, 719, 849 2, 723, 274 2, 723, 275 309: 2, 710, 870 2, 714, 597 309. 2: 2, 701, 249 2, 728, 776 309. 5: 2, 704, 287 2, 711, 413 2, 716, 648 2, 717, 252 2, 717, 253 2, 728, 777 309. 6: 2, 700, 045 2, 703, 324 2, 707, 186 2, 709, 702 2, 713, 582 2, 713, 583 2, 715, 633 309. 7: 2, 710, 298 2, 715, 634 310: 2, 700, 670 2, 700, 671 2, 704, 762 2, 710, 871 2, 725, 384 2, 726, 248 2, 727, 900 314: 2, 713, 584 314. 5: 2, 699, 440 2, 699, 441 2, 699, 442 2, 699, 443 2, 699, 444 2, 706, 199 2, 716, 649 2, 723, 980 2, 723, 981 315: 2, 719, 850 316: 2, 702, 294 2, 705, 717 319: 2, 700, 672 2, 701, 250 2, 701, 251 2, 701, 800 2, 703, 325 2, 704, 763 2, 707, 187 2, 708, 197 2, 712, 024 2, 715, 129 2, 727, 043 2, 727, 901	260— 319: 2, 788, 778 325: 2, 701, 252 326: 2, 698, 850 2, 698, 851 2, 701, 801 2, 701, 802 2, 713, 058 2, 725, 385 326. 3: 2, 719, 851 2, 728, 779 326. 5: 2, 710, 872 2, 726, 249 2, 701, 253 327: 2, 701, 253 2, 706, 731 2, 708, 198 2, 708, 199 2, 708, 200 2, 715, 635 329: 2, 713, 585 330. 5: 2, 702, 295 332. 2: 2, 707, 188 2, 714, 111 2, 716, 650 332. 3: 2, 700, 673 2, 701, 803 2, 711, 414 2, 717, 254 2, 721, 870 2, 723, 982 333: 2, 704, 764 340: 2, 704, 765 340. 3: 2, 719, 852 2, 725, 386 340. 5: 2, 700, 046 2, 702, 805 340. 9: 2, 720, 529 2, 722, 532 343. 2: 2, 701, 804 2, 702, 296 2, 702, 806 2, 704, 766 2, 723, 276 2, 723, 277 2, 728, 780 343. 3: 2, 702, 807 2, 704, 288 2, 704, 289 2, 704, 290 2, 716, 651 2, 722, 533 343. 4: 2, 725, 387 343. 5: 2, 727, 902 343. 6: 2, 706, 732 2, 726, 250 343. 7: 2, 702, 808 345. 2: 2, 700, 047 2, 701, 254 345. 5: 2, 723, 278 345. 7: Re. 23, 966 2, 715, 130 346. 2: 2, 705, 235 2, 705, 236 346. 3: 2, 712, 543 346. 6: 2, 719, 163 346. 8: 2, 719, 853 347. 2: 2, 719, 854 347. 4: 2, 704, 291 2, 709, 703 2, 712, 025 347. 8: 2, 709, 704 348: 2, 710, 873 2, 712, 544 2, 712, 545 2, 716, 123 2, 720, 530 2, 728, 781 348. 5: 2, 709, 173 2, 713, 586 349: 2, 712, 026 353: 2, 716, 124 358: 2, 716, 652 368: 2, 705, 718 369: 2, 720, 531 2, 720, 532 370: 2, 706, 200 371: 2, 716, 653 372: 2, 713, 059 2, 716, 654 2, 722, 534 2, 727, 903 373: 2, 704, 292 2, 722, 535 376: 2, 715, 131 377: 2, 717, 898 2, 722, 536 2, 723, 279 2, 727, 044 378: 2, 727, 045 380: 2, 713, 060 2, 714, 598 2, 724, 716 2, 726, 251 381: 2, 716, 655 2, 717, 255 2, 720, 533	260— 391: 2, 726, 252 396: 2, 715, 636 2, 722, 537 2, 727, 904 397. 1: 2, 698, 852 2, 702, 297 2, 714, 112 2, 719, 855 2, 719, 856 2, 720, 534 2, 725, 388 2, 727, 905 397. 2: 2, 698, 853 2, 707, 710 2, 719, 857 2, 727, 906 397. 25: 2, 715, 638 2, 715, 639 2, 719, 858 397. 3: 2, 698, 854 2, 701, 805 2, 701, 806 2, 701, 807 2, 701, 808 2, 705, 237 2, 705, 238 2, 705, 719 2, 705, 720 2, 707, 189 2, 708, 201 2, 715, 637 397. 4: 2, 698, 855 2, 700, 674 2, 709, 705 2, 713, 061 2, 721, 871 2, 725, 389 2, 727, 907 2, 727, 908 2, 727, 909 397. 45: 2, 702, 809 2, 702, 810 2, 702, 811 2, 702, 812 2, 703, 326 2, 703, 805 2, 703, 806 2, 707, 190 2, 707, 711 2, 708, 202 2, 708, 672 2, 708, 673 2, 712, 027 2, 712, 028 2, 713, 587 2, 713, 588 2, 714, 599 2, 714, 600 2, 714, 601 2, 715, 640 2, 716, 125 2, 727, 910 2, 727, 911 2, 727, 912 2, 728, 782 2, 728, 783 397. 47: 2, 703, 327 2, 704, 768 397. 5: 2, 705, 239 2, 705, 721 2, 713, 062 2, 723, 280 397. 7: 2, 704, 767 2, 725, 390 398. 5: 2, 705, 240 2, 725, 391 2, 728, 784 400: 2, 698, 856 402: 2, 716, 126 2, 716, 127 403: 2, 727, 046 404: 2, 701, 809 2, 710, 299 2, 711, 415 405. 5: 2, 698, 857 2, 711, 416 2, 727, 047 405. 6: 2, 703, 328 406: 2, 703, 807 2, 725, 392 2, 725, 393 407: 2, 719, 164 409: 2, 715, 641 2, 727, 048 410: 2, 714, 602 410. 6: 2, 705, 722 2, 715, 132 410. 7: 2, 714, 113 2, 717, 900 2, 727, 913 410. 9: 2, 727, 049 412. 4: 2, 707, 712 2, 726, 253 2, 727, 914
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260—412. 5:	2, 706, 201	260— 455:	2, 723, 989	260— 485:	2, 703, 811	260— 537:	2, 704, 296	260—570. 5:	2, 716, 134	260— 620:	2, 704, 773
	2, 717, 901	456:	2, 703, 808		2, 708, 676		2, 713, 067	570. 6:	2, 725, 399		2, 727, 924
	2, 721, 872		2, 706, 734		2, 710, 877		2, 716, 133	570. 9:	2, 723, 996	621:	2, 702, 304
412. 8:	2, 723, 281		2, 721, 875		2, 721, 877		2, 727, 066	571:	2, 714, 614		2, 708, 208
413:	2, 727, 050		2, 727, 057		2, 721, 878	539:	2, 719, 173	580:	2, 716, 135		2, 715, 145
414:	2, 708, 203		2, 728, 788		2, 721, 879	543:	2, 712, 030	582:	2, 708, 680		2, 716, 138
416:	2, 714, 603	457:	2, 708, 675		2, 723, 286		2, 724, 725		2, 717, 269		2, 720, 549
418:	2, 727, 915	458:	2, 714, 605	486:	2, 704, 770		2, 724, 726	583:	2, 705, 246		2, 727, 074
419:	2, 705, 723	461:	2, 701, 257		2, 719, 171	544:	2, 700, 679		2, 713, 597		2, 727, 925
	2, 715, 642		2, 701, 258	488:	2, 705, 725		2, 712, 554	584:	2, 699, 452		2, 727, 926
	2, 727, 916		2, 701, 259		2, 717, 264		2, 712, 555		2, 701, 263		2, 727, 927
424:	2, 727, 051		2, 702, 299		2, 723, 287	545:	2, 706, 738		2, 703, 816		2, 728, 793
425:	2, 701, 810		2, 710, 301	490:	2, 708, 677		2, 727, 067		2, 712, 558		2, 728, 795
	2, 702, 813		2, 712, 029		2, 727, 061	551:	2, 703, 813		2, 716, 136		2, 728, 796
	2, 714, 114		2, 712, 548	497:	2, 701, 813		2, 703, 814		2, 717, 270		2, 728, 797
428:	2, 717, 256		2, 715, 136	498:	2, 715, 140		2, 727, 068	586:	2, 713, 068	623:	2, 708, 209
429:	2, 708, 204		2, 716, 130	500:	2, 702, 301		2, 699, 448		2, 713, 069		2, 716, 139
	2, 708, 205		2, 716, 657		2, 717, 906		2, 699, 449		2, 714, 615		2, 725, 402
	2, 713, 589		2, 716, 658	501:	2, 700, 678		2, 699, 450		2, 719, 863	624:	2, 698, 867
	2, 727, 917		2, 718, 523		2, 702, 819		2, 702, 821	590:	2, 715, 143		2, 698, 868
	2, 727, 918		2, 718, 524		2, 710, 303		2, 703, 815		2, 720, 542		2, 726, 270
429. 5:	2, 709, 174		2, 719, 167		2, 715, 141		2, 714, 613		2, 726, 267		2, 727, 928
	2, 716, 656		2, 720, 535		2, 721, 209		2, 726, 263	592:	2, 703, 817	625:	2, 722, 556
429. 7:	2, 700, 675		2, 721, 876		2, 725, 395	553:	2, 705, 727	593:	2, 700, 057	627:	2, 724, 001
	2, 718, 522		2, 722, 538	504:	2, 700, 052		2, 719, 174		2, 706, 739	632:	2, 700, 685
	2, 726, 254		2, 722, 539		2, 717, 265		2, 722, 550		2, 715, 144		2, 713, 073
429. 9:	2, 701, 811		2, 724, 718		2, 720, 537		2, 723, 293		2, 725, 400		2, 721, 223
434:	2, 698, 858		2, 724, 719		2, 722, 543		2, 728, 794	596:	2, 701, 264	633:	2, 700, 686
435:	2, 701, 255		2, 725, 394		2, 726, 261	554:	2, 710, 881	597:	2, 699, 453		2, 714, 121
437:	2, 727, 052		2, 726, 256	505:	2, 703, 330		2, 712, 556	598:	2, 700, 058		2, 714, 122
	2, 727, 053		2, 727, 058		2, 704, 295	555:	2, 701, 262		2, 701, 265		2, 714, 123
438:	2, 710, 874		2, 728, 789		2, 706, 736		2, 712, 557		2, 701, 816	635:	2, 711, 431
439:	2, 700, 048		2, 728, 790		2, 718, 526		2, 725, 397		2, 705, 728		2, 712, 560
	2, 709, 175		2, 728, 791		2, 723, 990		2, 727, 069	600:	2, 709, 710	637:	2, 719, 867
440:	2, 701, 812	464:	2, 710, 302	506:	2, 715, 643	556:	2, 700, 055		2, 721, 221		2, 723, 295
448:	2, 712, 546		2, 711, 422		2, 720, 538		2, 709, 707	601:	2, 702, 303	638:	2, 699, 454
448. 2:	2, 698, 859		2, 719, 168		2, 722, 544		2, 710, 882		2, 710, 883		2, 700, 687
	2, 698, 860	465:	2, 702, 815	507:	2, 698, 864		2, 711, 426		2, 710, 884		2, 704, 774
	2, 709, 176		2, 703, 329		2, 700, 053		2, 715, 142		2, 722, 552		2, 707, 196
	2, 710, 875		2, 706, 735		2, 723, 288		2, 726, 264	602:	2, 702, 823		2, 709, 713
	2, 711, 417		2, 713, 065	509:	2, 716, 132		2, 726, 265		2, 704, 298		2, 709, 714
	2, 713, 063		2, 718, 525		2, 727, 062	558:	2, 713, 594		2, 713, 598		2, 713, 074
	2, 715, 133		2, 723, 282	513:	2, 721, 210		2, 721, 215		2, 718, 529		2, 728, 798
	2, 715, 134	465. 3:	2, 702, 300		2, 727, 920	559:	2, 699, 054	604:	2, 705, 729	641:	2, 725, 403
	2, 716, 128		2, 709, 177	514:	2, 699, 447		2, 700, 680		2, 706, 206	642:	2, 717, 910
	2, 716, 129		2, 719, 169		2, 707, 195		2, 703, 332		2, 711, 429	643:	2, 713, 075
	2, 717, 257	465. 4:	2, 716, 131		2, 716, 661		2, 715, 645		2, 716, 664		2, 719, 180
	2, 717, 258		2, 721, 206		2, 716, 662		2, 716, 663		2, 716, 665	646:	2, 700, 060
	2, 717, 902		2, 726, 257		2, 720, 539		2, 721, 216		2, 723, 997	648:	2, 699, 455
	2, 719, 165		2, 727, 059		2, 723, 289	560:	2, 709, 708		2, 723, 998		2, 699, 456
	2, 719, 859	465. 5:	2, 719, 861		2, 725, 396		2, 720, 541		2, 725, 401		2, 702, 305
	2, 721, 873		2, 722, 540	515:	2, 726, 262	561:	2, 701, 814		2, 726, 268		2, 705, 731
	2, 723, 983	465. 6:	2, 702, 816	516:	2, 724, 721		2, 702, 822		2, 728, 792		2, 708, 681
	2, 723, 984	465. 7:	2, 704, 769	518:	2, 702, 820		2, 705, 244	605:	2, 712, 559		2, 713, 076
	2, 723, 985	465. 8:	2, 700, 051		2, 705, 726		2, 713, 595	606:	2, 714, 616		2, 714, 124
	2, 723, 986		2, 715, 137		2, 706, 203		2, 713, 596		2, 722, 553		2, 714, 617
	2, 723, 987		2, 715, 138		2, 708, 678		2, 714, 119	607:	2, 702, 824		2, 716, 140
	2, 728, 785		2, 717, 261		2, 714, 612		2, 719, 175		2, 727, 073		2, 717, 272
	2, 698, 861	465. 9:	2, 701, 260		2, 723, 991		2, 719, 176	609:	2, 707, 714		2, 718, 531
	2, 707, 191		2, 726, 258	519:	2, 711, 423		2, 719, 177		2, 711, 430		2, 719, 868
	2, 711, 418	466:	2, 714, 606		2, 724, 722		2, 722, 551		2, 720, 543		2, 719, 869
	2, 713, 064	467:	2, 717, 903		2, 727, 063	562:	2, 699, 451		2, 722, 554		2, 719, 870
	2, 714, 115	468:	2, 717, 262	520:	2, 711, 424		2, 712, 031	610:	Re.24,036		2, 724, 730
	2, 715, 135	469:	2, 703, 809		2, 723, 290		2, 717, 268		2, 715, 646		2, 728, 799
	2, 719, 860		2, 717, 899		2, 724, 723		2, 718, 527		2, 718, 530	650:	2, 701, 817
	2, 727, 054		2, 727, 060	521:	2, 703, 812		2, 719, 178		2, 719, 864		2, 702, 306
449:	2, 698, 862	470:	2, 705, 242		2, 715, 644		2, 719, 862		2, 702, 825		2, 709, 180
	2, 727, 055		2, 721, 207		2, 717, 907		2, 721, 211		2, 713, 070		2, 721, 224
449. 6:	2, 702, 814	471:	2, 703, 810		2, 723, 992		2, 721, 212		2, 722, 555		2, 724, 002
	2, 707, 713		2, 714, 117		2, 723, 993		2, 721, 213	611. 5:	2, 720, 544		2, 724, 003
	2, 708, 674		2, 714, 607	524:	2, 724, 724		2, 721, 214		2, 720, 545		2, 725, 404
	2, 711, 419		2, 714, 608		2, 698, 865		2, 726, 266		2, 720, 546		2, 725, 405
	2, 713, 590		2, 714, 609		2, 712, 549		2, 727, 070		2, 705, 730		2, 725, 406
	2, 714, 116		2, 714, 610		2, 712, 550		2, 727, 071	612:	2, 716, 666		2, 725, 407
	2, 717, 259		2, 716, 659		2, 712, 551		2, 727, 072		2, 721, 882		2, 725, 408
	2, 717, 260		2, 717, 263		2, 722, 546	564:	2, 700, 056	613:	2, 707, 715		2, 725, 409
	2, 727, 056		2, 721, 208		2, 722, 547		2, 704, 297		2, 710, 305		2, 726, 271
	2, 728, 786	472:	2, 717, 904		2, 722, 548		2, 708, 679		2, 719, 865		2, 727, 075
450:	2, 700, 049		2, 717, 905		2, 722, 549		2, 721, 217		2, 724, 727		2, 727, 929
	2, 700, 676		2, 726, 259		2, 723, 994		2, 721, 218		2, 704, 299	651:	2, 714, 125
	2, 702, 298	473:	2, 707, 193		2, 723, 995		2, 727, 922		2, 720, 547	652:	2, 717, 911
	2, 704, 293		2, 707, 194		2, 727, 921		2, 700, 681	614:	2, 724, 728	652. 5:	2, 719, 181
	2, 707, 192	475:	2, 701, 261	527:	2, 706, 737		2, 700, 682		2, 704, 059		2, 721, 883
	2, 711, 420		2, 702, 817		2, 711, 425		2, 703, 333	615:	2, 700, 771		2, 722, 557
	2, 721, 205		2, 714, 611		2, 712, 552		2, 706, 204		2, 706, 207	653:	2, 700, 688
	2, 721, 874		2, 723, 283		2, 713, 592		2, 709, 179		2, 716, 137		2, 704, 775
	2, 724, 717		2, 723, 284		2, 714, 118		2, 709, 709		2, 723, 294		2, 704, 776
451:	2, 704, 294		2, 723, 285	529:	2, 723, 291		2, 711, 427		2, 723, 999		2, 704, 777
	2, 705, 241		2, 727, 919	530:	2, 717, 266		2, 712, 032		2, 726, 269		2, 705, 247
	2, 714, 604	481:	2, 702, 818		2, 719, 172		2, 718, 528	616:	2, 717, 271		2, 709, 181
	2, 726, 255		2, 719, 170	531:	2, 710, 878		2, 721, 219		2, 721, 222		2, 709, 182
452:	2, 700, 050	482:	2, 708, 206		2, 710, 879		2, 721, 880	617:	2, 709, 711		2, 709, 183
	2, 700, 677		2,								



260— 653: 2,716,668 2,722,558 2,722,559 2,723,296 2,723,297 2,724,004 2,725,410 654: 2,714,619 2,724,005 2,725,411 2,725,412 656: 2,705,732 2,724,006 658: 2,715,146 2,727,076 666: Re.24,038 2,702,826 2,703,818 2,704,778 2,707,716 2,721,225 2,723,298 2,724,731 2,726,272 2,726,273 2,726,274 2,728,800 2,728,801 666.5: 2,719,182 667: 2,721,226 668: 2,700,689 2,705,248 2,706,208 2,715,147 2,718,532 2,718,533 2,719,183 2,719,871 2,720,550 2,721,884 2,721,885 2,721,886 2,721,887 2,727,077 2,727,930 2,727,931 2,728,802 669: 2,712,561 2,712,562 2,714,620 2,714,621 2,723,299 670: 2,702,307 671: 2,712,033 2,713,600 2,722,560 2,725,413 672: 2,698,869 2,709,193 2,709,194 674: 2,700,061 2,701,266 2,701,267 2,704,779 2,705,733 2,706,209 2,707,197 2,707,699 2,711,432 2,711,433 2,716,144 2,717,912 2,724,007 2,726,275 2,727,078 2,728,803 675: 2,715,647 676: 2,698,870 2,700,690 2,713,077 677: 2,708,210 2,709,195 678: 2,719,872 2,724,008 679: 2,706,210 2,706,740 2,713,601 2,714,126 2,715,648 2,718,534 2,719,184 2,719,873 2,721,227 2,721,888 2,723,300 2,726,276 2,727,932 2,727,933 681: 2,715,649 683: 2,705,734 683.15: 2,699,457 2,702,827 2,706,211 2,708,682 2,721,889 2,728,804	260—683.15: 2,728,805 683.3: 2,706,741 683.4: 2,717,913 683.5: 2,718,535 683.6: 2,709,196 711: 2,701,268 722: 2,711,434 735: 2,727,934 739: 2,725,414 742: 2,725,415 761: 2,709,715 2,724,009 763: 2,715,650 2,717,914 765: 2,727,935 772: 2,716,669 2,728,806 793: 2,718,536 810: 2,700,691 815: 2,726,277 821: 2,710,885 261— 1: 2,698,743 2: 2,709,577 3: 2,700,536 5: 2,726,853 11: 2,703,228 2,712,927 2,716,024 2,726,072 14: 2,707,098 2,715,520 2,723,840 16: 2,701,133 2,717,148 17: 2,720,385 18: 2,699,326 2,705,622 2,715,521 2,717,149 2,719,704 2,724,583 21: 2,699,927 2,713,476 2,719,032 2,721,064 23: 2,702,694 2,703,229 2,718,386 2,718,387 2,728,563 24: 2,698,744 2,720,386 27: 2,702,695 28: 2,717,770 29: 2,705,623 30: 2,709,578 2,723,841 34: 2,703,705 2,713,999 36: 2,712,928 2,714,501 39: 2,715,522 2,719,706 41: 2,701,709 2,705,135 2,709,579 2,711,883 2,727,735 43: 2,719,707 44: 2,711,884 2,714,502 2,718,388 2,726,073 50: 2,715,020 2,717,771 51: 2,711,885 56: 2,715,021 62: 2,725,221 64: 2,710,176 2,717,150 69: 2,699,928 2,724,584 2,728,564 72: 2,715,523 75: 2,704,659 2,711,886 76: 2,707,624 2,717,772 2,720,387 2,720,388 78: 2,702,185 2,714,503 83: 2,700,537 2,721,732 87: 2,713,477 90: 2,698,745 102: 2,717,773 108: 2,711,307 2,728,565 111: 2,707,625 2,709,580 113: 2,711,308 2,712,929 114: 2,698,746	261— 114: 2,699,929 2,701,710 2,702,696 2,705,136 2,710,177 2,713,478 2,714,504 2,720,389 115: 2,710,745 119: 2,710,178 121: 2,717,774 124: 2,708,571 2,721,065 262— 1: 2,714,505 2,716,025 3: 2,720,390 7: Re.24,004 2,701,711 2,705,624 2,707,626 2,711,887 2,711,888 2,715,524 2,725,222 8: 2,699,930 2,702,697 9: 2,699,327 2,705,625 2,710,179 1,711,889 2,711,890 2,719,708 2,719,709 2,719,710 2,720,391 2,721,066 2,721,733 2,722,409 15: 2,715,525 19: 2,714,506 20: 2,701,134 26: 2,699,328 2,706,624 2,715,526 2,705,626 2,728,566 29: 2,707,099 2,711,891 2,713,479 2,715,527 2,719,033 2,721,067 30: 2,725,223 33: 2,702,698 2,707,627 2,710,180 2,711,892 2,720,392 2,720,392 2,721,068 2,722,410 263— 3: 2,706,625 2,728,567 5: 2,705,627 6: 2,707,628 2,711,309 7: 2,707,629 8: 2,708,107 2,713,480 15: 2,704,660 2,723,842 19: 2,703,706 2,711,310 21: 2,721,069 2,726,854 28: 2,705,137 33: 2,710,181 2,719,034 36: 2,699,931 2,721,734 40: 2,725,224 41: 2,721,735 44: 2,721,736 47: 2,710,746 2,721,070 51: 2,706,109 2,711,893 2,723,843 2,726,855 264— 1: 2,702,186 2,721,071 2,726,074 2,726,075 3: 2,721,072 8: 2,715,528 14: 2,711,894 15: 2,700,538 18: 2,712,930 21: 2,719,035 5: 2,723,844 2,724,585 6: 2,709,076 2,728,568 7: 2,717,151 27: 2,707,630 2,726,076	265— 29: 2,723,113 40: 2,704,661 2,722,411 42: 2,717,775 49: 2,702,187 54: 2,703,707 55: 2,706,626 60: 2,699,329 62: 2,705,628 63: 2,698,747 68: 2,699,932 2,716,546 71: 2,716,547 72: 2,727,736 266— 3: 2,717,776 4: 2,726,077 5: 2,701,712 2,706,110 6: 2,709,077 17: 2,726,078 19: 2,709,078 21: 2,710,182 2,710,183 2,726,079 22: 2,712,931 23: 2,698,748 2,705,629 2,711,895 2,723,845 24: 2,704,662 25: 2,702,699 2,710,747 2,727,737 27: 2,721,073 2,726,856 31: 2,710,748 32: 2,711,311 2,722,412 34: 2,698,749 35: 2,708,572 37: 2,699,933 2,703,230 2,718,389 39: 2,708,108 40: 2,706,111 42: 2,705,630 43: 2,705,138 2,713,481 2,725,225 2,725,226 2,725,227 267— 1: Re.23,974 Re.24,050 2,700,539 2,700,540 2,702,700 2,703,231 2,703,232 2,703,233 2,704,663 2,705,631 2,705,632 2,706,112 2,708,109 2,708,110 2,708,573 2,709,079 2,721,737 2,711,312 2,711,313 2,712,440 2,713,482 2,713,483 2,714,000 2,717,777 2,723,114 2,723,846 2,724,586 2,726,080 2,727,738 9: 2,705,633 2,705,634 2,708,574 2,710,749 2,710,750 15: 2,705,139 2,724,587 19: 2,701,713 2,711,314 2,728,569 20: 2,700,541 2,703,708 2,703,709 2,707,100 2,714,001 2,714,002 2,717,152 2,719,711 2,726,857 21: 2,706,113 33: 2,703,234 34: 2,710,184 2,718,390 35: 2,724,588 37: 2,698,750 45: 2,705,140 2,714,003	267— 47: 2,709,581 49: 2,702,188 2,703,710 2,708,111 2,710,185 2,718,391 2,718,392 2,718,393 2,718,394 57: 2,702,701 2,705,635 2,706,114 2,706,627 2,713,484 57.1: 2,715,022 58: 2,724,589 63: 2,699,934 2,702,702 2,702,703 2,704,664 2,708,112 2,713,485 2,726,081 64: 2,698,751 2,701,714 2,721,074 2,723,847 2,724,590 65: 2,704,665 2,711,315 2,715,023 66: 2,699,935 70: 2,712,932 72: 2,698,752 10: 2,722,413 21: 2,711,316 23: 2,709,582 33: 2,728,570 46: 2,701,135 48: 2,723,848 50: 2,710,186 55: 2,702,704 59: 2,703,235 2,703,236 2,703,236 65: 2,709,583 74: 2,719,036 96: 2,705,141 104: 2,704,207 108: 2,717,778 117: 2,726,082 119: 2,710,715 123: 2,723,115 124: 2,718,395 126: 2,719,712 127: 2,698,753 132: 2,720,393 133: 2,714,004 2,714,005 20: 2,711,317 31: 2,710,187 32: 2,727,739 53: 2,709,584 56: 2,711,896 58: 2,702,189 2,712,441 2,721,737 2,722,414 61: 2,725,228 68: 2,699,331 2,703,237 2,706,115 72: 2,706,628 73: 2,703,238 79: 2,700,543 80: 2,701,715 81: Re.24,101 2,709,585 2,717,153 84: 2,699,936 2,709,080 86: 2,712,933 93: 2,708,113 2,717,779 271— 2: 2,709,081 2.1: 2,703,239 2,707,631 2,699,332 2.18: 2,701,718 2,706,629 2,700,544 2,701,716 2,699,937 2,701,717 2,702,705 2,706,116 2,710,188 2,715,024 2,721,075 2,721,076 2,721,738 2,724,591 2,726,083 2.4: 2,709,586 2,712,442	271— 2.4: 2,712,934 2,719,713 2,723,116 2,726,084 2,728,571 2.5: 2,703,711 2,707,101 2,709,587 2,723,117 2,728,572 2.6: 2,708,575 2,709,588 2,716,026 2,721,077 2,721,739 2,722,415 2,726,858 2,726,859 3: 2,719,037 2,726,860 8: 2,721,078 10: 2,704,208 12: 2,717,154 2,727,740 14: 2,723,849 26: 2,722,416 2,726,861 28: 2,711,897 2,714,006 32: 2,704,209 35: 2,710,752 36: 2,705,636 41: 2,726,862 42: 2,713,486 44: 2,699,938 2,705,142 2,705,143 2,723,118 45: 2,719,714 2,723,119 48: 2,699,939 49: 2,699,940 50: 2,722,417 51: 2,699,333 53: 2,699,941 2,712,935 2,716,548 56: 2,721,079 2,725,229 2,726,863 59: 2,712,936 2,726,864 60: 2,726,865 62: 2,701,136 2,720,394 65: 2,723,850 68: 2,699,942 86: 2,699,943 2,723,851 2,723,852 87: 2,702,190 89: 2,707,632 1: 2,707,102 2,709,589 2,721,080 2,721,740 2,723,853 3: 2,726,866 7: 2,723,854 8: 2,708,114 2,715,529 10: 2,707,103 2,725,230 18: 2,719,715 27: 2,726,867 30: 2,720,395 2,726,085 31: 2,699,334 32: 2,706,630 33: 2,699,335 2,711,898 36: 2,704,666 2,728,573 37: 2,721,081 38: 2,723,120 43: 2,715,530 46: 2,701,137 48: 2,728,574 52: 2,707,633 53.1: 2,712,937 2,722,418 53.2: 2,727,741 56.5: 2,705,144 57: 2,712,443 2,714,007 2,723,855 58: 2,718,396 2,723,856 2,724,592 59: 2,706,631 2,718,397 60: 2,704,667 70.1: 2,709,590 70.2: 2,705,637 72: 2,714,507 2,725,231
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272—	75: 2,719,038 2,723,121 78: 2,709,082 79: 2,725,232 80: 2,706,632 83: 2,714,008 2,716,027 2,718,398 2,720,396 84: 2,722,419 273— 1: 2,704,210 2,707,634 2,712,444 1.5: 2,707,104 2,708,576 2,710,189 2,712,445 2: 2,708,577 29: 2,707,635 2,713,487 30: 2,706,633 2,711,899 2,723,122 42: 2,705,145 2,709,083 2,728,575 43: 2,702,706 2,702,707 2,705,146 2,707,636 2,709,591 2,711,318 2,714,508 2,716,549 2,719,039 2,723,123 2,726,086 49: 2,699,944 2,699,945 2,707,105 2,717,155 53: 2,724,593 63: 2,703,712 2,708,578 65: 2,700,545 79: 2,705,147 2,708,579 81: 2,704,668 81.6: 2,721,741 82: 2,701,719 85: 2,713,488 2,716,028 2,720,397 86: 2,707,637 2,713,489 2,721,742 2,726,868 2,726,869 88: 2,713,490 93: 2,727,742 95: 2,724,594 96: 2,710,753 101.1: 2,710,754 102: 2,722,420 2,723,124 102.2: 2,700,546 2,709,592 103: 2,702,191 105.2: 2,703,240 2,726,870 105.6: 2,706,634 106: 2,701,138 2,705,148 2,714,509 106.5: 2,725,233 118: 2,727,743 121: 2,709,593 122: 2,710,755 125: 2,710,756 126: 2,719,040 2,720,398 2,722,421 2,722,422 128: 2,704,211 2,727,744 129: 2,715,531 2,717,780 2,719,716 2,722,423 130: 2,702,708 2,708,580 2,726,087 131: 2,703,713 2,722,424 2,727,745 133: 2,712,938 134: 2,702,709 2,717,156 2,720,399 2,723,857 2,727,746 135: 2,712,446 2,717,157 136: 2,699,336 2,719,717	273— 138: 2,707,106 2,711,900 2,717,781 2,719,041 2,721,082 141: 2,717,158 142: 2,719,718 2,722,425 144: 2,721,083 145: 2,708,581 2,724,595 148: 2,704,669 149: 2,701,720 2,705,638 2,706,117 2,711,319 2,714,510 2,717,782 2,727,747 150: 2,715,025 153: 2,701,139 2,714,511 157: 2,725,234 158: 2,708,115 160: 2,712,447 162: 2,700,547 165: 2,710,190 171: 2,715,026 176: 2,701,140 177: 2,719,719 178: 2,716,029 179: 2,709,594 180: 2,704,212 183: 2,709,595 2,710,757 186: 2,712,939 2,723,125 187: 2,707,638 188: 2,711,320 191: 2,713,491 192: 2,706,635 2,723,858 200: 2,714,009 201: 2,711,321 206: 2,706,636 212: 2,723,126 232: 2,728,576 274— 4: 2,702,710 2,703,714 2,705,639 2,705,640 2,706,118 2,706,637 2,706,638 2,709,596 2,710,191 2,712,448 2,714,010 2,714,512 2,721,743 2,728,577 9: 2,701,141 2,714,513 2,718,399 10: 2,699,946 2,701,721 2,706,639 2,707,639 2,712,940 2,713,492 2,715,027 2,716,550 2,718,400 2,718,401 2,719,720 2,725,235 2,726,088 2,728,578 11: 2,712,941 13: 2,708,116 14: 2,712,942 2,723,859 15: 2,722,426 24: 2,716,551 38: 2,711,322 40: 2,709,597 41.4: 2,711,901 42: Re.23,946 2,703,241 2,712,943 2: 2,704,213 2,710,192 2,711,323 3: 2,699,947 2,702,711 2,708,582 2,712,944 2,716,552 4: 2,699,948 5: 2,699,337 2,699,949 6: 2,704,670 2,711,902 8: 2,705,149 2,723,860	275— 8: 2,726,089 9: 2,711,903 14: 2,717,783 276— 2: 2,716,553 8: 2,703,715 44: 2,723,127 45: 2,701,722 279— 1: 2,711,904 2,714,514 2,716,554 2,720,400 2: 2,699,338 2,707,107 2,709,598 3: 2,701,723 4: 2,703,242 2,704,671 2,709,599 2,713,493 2,715,532 2,719,721 2,726,090 5: 2,704,672 2,711,324 6: 2,699,950 2,708,583 9: 2,715,028 2,716,030 2,719,042 14: 2,724,596 16: 2,700,548 19.1: 2,720,401 41: 2,705,641 2,726,871 43: 2,728,579 45: 2,707,640 49: 2,702,192 50: 2,718,402 51: 2,698,754 2,705,642 2,708,117 52: 2,709,600 54: 2,707,108 56: 2,710,193 2,716,555 58: 2,721,744 59: 2,698,755 71: 2,701,724 79: 2,702,712 89: 2,714,515 91: 2,719,722 93: 2,703,716 2,726,091 96: 2,705,643 97: 2,700,549 102: 2,727,748 103: 2,726,872 106: 2,710,194 2,712,449 2,723,861 110: 2,702,713 2,726,092 116: 2,725,236 2,726,093 119: 2,722,427 121: 2,704,214 123: 2,708,118 280— 1: 2,714,011 1.12: 2,698,756 1.13: 2,708,584 1.181: 2,712,450 1.188: 2,711,325 1.202: 2,709,601 2,723,128 1.22: 2,725,237 5: 2,714,516 2,723,862 2,724,597 5.22: 2,715,533 5.24: 2,710,195 5.26: 2,706,640 6: 2,709,602 2,716,556 2,722,428 11: 2,699,339 2,706,641 11.2: 2,719,723 2,725,238 2,727,749 11.23: 2,719,724 11.28: 2,719,725 2,722,429 2,726,873 11.3: 2,706,119 2,717,784 11.31: 2,722,430 11.35: 2,698,757 2,705,150 2,718,403 11.37: 2,609,603 2,721,084 12: 2,715,029 2,717,159 16: 2,711,326 18: 2,725,239	280— 20: 2,717,160 29: 2,712,945 30: 2,715,030 32.6: 2,703,717 2,710,758 33.99: 2,727,750 34: 2,705,151 2,716,557 2,718,404 2,727,758 35: 2,706,120 2,718,405 36: 2,701,142 2,705,644 2,710,196 2,711,327 2,713,494 2,715,031 2,716,558 2,717,161 2,722,431 2,728,580 37: 2,726,874 38: 2,699,951 2,701,725 2,725,240 40: 2,713,495 2,714,012 41: 2,706,642 2,711,328 2,711,905 2,717,785 2,718,406 2,720,402 2,721,085 2,726,094 2,726,875 2,727,751 2,728,581 43: 2,719,726 2,722,432 2,728,582 44: 2,711,329 2,723,129 2,727,752 2,728,583 46: 2,710,197 47.1: 2,699,952 47.11: 2,715,534 2,719,043 47.13: 2,705,645 47.16: 2,715,535 47.19: 2,704,673 2,723,130 47.21: 2,708,119 47.24: 2,723,863 2,723,864 47.26: 2,711,330 2,728,584 47.29: 2,721,086 47.31: 2,716,031 47.32: 2,709,084 47.33: 2,710,759 47.36: 2,716,559 2,718,407 2,726,876 47.37: 2,706,643 2,707,641 2,724,598 2,727,753 47.4: 2,712,451 47.41: 2,708,585 2,714,013 62: 2,724,599 2,728,585 79.1: 2,699,953 2,711,906 2,712,452 79.2: 2,726,095 2,727,754 81.5: 2,710,198 87: 2,716,032 87.01: 2,713,496 90: 2,728,586 95: 2,699,954 2,700,550 2,707,109 2,708,586 2,713,497 96: 2,726,877 96.2: 2,705,646 2,707,642 2,726,096 99: 2,701,143 103: 2,719,727 104: 2,710,199 104.5: 2,698,758 2,702,194 2,704,215 2,704,674 2,705,152 2,706,121 2,707,110 2,713,498 2,714,014	280—104.5: 2,718,408 2,719,728 106: 2,700,551 2,701,726 2,711,907 2,718,409 2,719,044 2,728,587 106.5: 2,715,032 2,724,600 111: 2,705,647 112: 2,703,718 2,708,120 2,720,403 124: 2,701,727 2,712,946 2,714,517 142: 2,716,560 145: 2,699,340 2,700,552 2,719,729 2,728,588 150: 2,701,144 2,701,728 2,716,561 2,717,162 2,717,786 2,719,730 150.5: 2,712,453 153: 2,700,553 154.5: 2,699,955 2,714,015 167: 2,702,195 179: 2,713,499 2,725,241 202: 2,707,111 203: 2,702,196 204: 2,725,242 221: 2,707,112 2,723,131 231: 2,723,132 278: 2,708,587 281: 2,721,745 284: 2,705,153 2,705,154 2,705,155 287: 2,705,156 293: 2,712,947 2,723,133 298: 2,702,197 304: 2,715,033 400: 2,701,729 402: 2,719,731 405: 2,727,755 406: 2,709,604 2,711,908 2,715,034 2,718,410 407: 2,713,500 411: 2,710,200 412: 2,709,085 415: 2,722,433 418: 2,707,113 2,714,016 423: 2,698,759 2,709,086 425: 2,709,087 426: 2,717,787 430: 2,710,201 432: 2,709,088 2,714,017 2,723,865 434: 2,726,878 437: 2,712,948 438: 2,714,018 2,718,411 2,726,879 446: 2,701,145 2,706,644 2,726,097 447: 2,721,087 453: 2,719,732 456: 2,707,643 457: 2,699,956 468: 2,727,756 476: 2,699,341 477: 2,703,243 2,717,163 478: 2,709,089 2,725,243 480: 2,708,121 2,714,019 2,721,088 485: 2,699,957 488: 2,705,648 2,723,134 489: 2,702,198 491: 2,717,164 494: 2,700,554 2,710,760 2,713,501 496: 2,707,114 500: 2,726,098 501: 2,719,733 502: 2,726,880	280— 504: 2,700,555 2,703,244 2,705,649 2,727,757 505: 2,702,714 509: 2,723,135 512: 2,723,866 2,726,099 515: 2,705,157 3: 2,719,734 5: 2,700,556 6: 2,718,412 2,725,244 16: 2,717,165 29: 2,706,645 33: 2,722,434 44: 2,703,245 2,704,216 2,707,115 2,711,909 282— 1: 2,722,435 2,726,100 7: 2,711,910 8: 2,718,413 16: 2,707,644 22: 2,700,557 2,724,601 24: 2,719,735 29: 2,709,605 2,711,911 2,722,436 283— 1: 2,713,502 42: 2,716,562 284— 4: 2,709,090 2,712,454 16: 2,714,518 17: 2,708,588 2,725,245 2,728,589 18: Re.23,925 2,706,646 2,727,759 19: 2,728,590 285— 6.5: 2,706,647 8: 2,698,760 9: 2,705,650 10: 2,700,558 2,717,166 13: 2,702,715 14: 2,705,158 16: 2,726,101 22: 2,699,958 2,701,146 2,709,091 2,712,455 2,715,536 2,719,736 24.5: 2,708,122 2,714,519 25: 2,704,675 2,726,102 30: 2,710,202 46: 2,703,719 55: 2,704,676 71: 2,702,199 2,726,103 72: 2,707,116 2,722,437 74: 2,712,949 75: 2,710,203 77: 2,704,677 2,725,246 84: 2,701,147 90: 2,699,959 2,707,117 2,709,092 2,711,331 2,712,456 2,714,020 2,721,089 2,721,746 2,724,602 91: 2,699,342 92: 2,701,148 2,713,503 93: 2,726,881 96.1: 2,726,104 2,727,760 97.3: 2,702,200 2,703,720 2,723,136 97.5: 2,710,204 2,712,457 97.8: 2,705,651 98: 2,708,123 99: 2,699,960 108: 2,703,721 115: 2,711,912 118: 2,709,606 120: 2,709,093 2,712,458 122: 2,701,149 123: 2,704,678 129: 2,699,343 2,703,722
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285—	129:	2,706,648	287—	20.5:	2,718,414	290—	17:	2,703,845	292—	228:	2,714,031	294—	22:	2,716,570	296—	28:	2,709,106	
		2,706,649		23:	2,723,137			2,703,846		229:	2,707,122		25:	2,717,799			2,710,222	
		2,709,094		52:	2,702,717			2,704,813			2,716,568		26:	2,723,152			2,710,770	
		2,716,563			2,709,607		36:	2,728,864			2,717,796			2,725,253			2,711,340	
		2,717,788		52.06:	2,710,762			2,699,507			2,722,445			2,727,777			2,711,341	
	131:	2,699,344			2,714,520		37:	2,705,291		241:	2,715,540		27:	2,705,657			2,716,040	
	132:	2,701,730			2,723,138			2,710,926			2,725,251		29:	2,705,166			2,717,173	
		2,701,731		52.08:	2,718,415		38:	2,717,317		246:	2,715,541		31:	2,708,592			2,717,802	
	146:	2,717,789			2,718,416			2,727,158			2,721,093		33:	2,711,337			2,719,749	
	150:	2,705,159		52.09:	2,719,046		46:	2,703,847		247:	2,710,214		49:	2,724,610			2,723,154	
		2,705,652			2,709,347		52:	2,701,313			2,714,032		50.5:	2,712,466			2,724,611	
	160:	2,702,201		53:	2,704,681			2,709,755		251.5:	2,701,158		50.6:	2,710,765		32:	2,710,771	
	161:	2,712,950			2,708,130			2,722,612			2,719,050		50.7:	2,708,593			2,711,342	
	163:	2,702,202			2,716,565		291—	2:	2,712,954			2,726,110		50.8:	2,703,251		35:	2,708,133
		2,708,124			2,718,417			2,725,247		252:	2,709,101			2,712,467			2,708,134	
		2,711,913			2,719,047		11:	2,727,770		254:	2,699,351		50.9:	2,715,543			2,715,041	
		2,722,438			2,723,139			2,727,770		256:	2,718,423			2,725,254		37:	2,699,966	
	164:	2,702,716			2,726,888		25:	2,720,407		256.5:	2,727,775		53.5:	2,728,598		37.2:	2,700,572	
	168:	2,699,961		54:	2,699,348			2,725,988		256.6:	2,714,522		61:	2,707,651		43:	2,707,652	
		2,714,021			2,705,162		39:	2,722,441			2,724,608		64:	2,725,255		44:	2,699,355	
		2,727,761			2,711,916		46:	2,722,442		256.65:	2,703,248		65:	2,704,685			2,702,722	
	169:	2,708,589			2,711,917		292—	1:	2,709,610			2,725,252		2,715,038			2,704,687	
		2,727,762			2,715,537			2,710,209		256.69:	2,707,123		65.5:	2,700,567			2,704,688	
	170:	2,704,679			2,722,440			2,712,463			2,721,094			2,709,104			2,705,168	
	173:	2,700,559		58:	2,710,207			2,719,744		256.73:	2,706,127			2,723,875			2,707,127	
	174:	2,716,564			2,711,918		6:	2,698,762		259:	2,703,249		66:	2,704,686			2,708,135	
	175:	2,698,761			2,714,027		16:	2,702,719			2,703,250			2,712,467			2,708,136	
		2,700,560			2,724,604		17:	2,727,771			2,726,111			2,723,153			2,709,107	
		2,706,122			2,727,767		18:	2,711,335		264:	2,726,112		67:	2,698,764			2,711,343	
	196:	2,727,763			2,719,741		30:	2,717,167		266:	2,724,609			2,717,801			2,714,034	
	211:	Re.24,019		59:	2,719,741		36:	2,724,605		268:	2,704,684			2,721,756			2,714,035	
286—	5:	2,699,345		60:	2,703,723		50:	2,715,538		272:	2,699,352		69:	2,713,507			2,718,428	
		2,701,732			2,707,119		60:	2,716,037		275:	2,702,205		72:	2,712,468			2,719,750	
		2,705,160		62:	2,701,733		62:	2,716,038		276:	2,727,776		73:	2,702,721			2,723,155	
		2,705,161			2,706,125		64:	2,718,420		279:	2,712,957			2,715,039			2,726,893	
		2,706,123			2,709,608		67:	2,710,210		280:	2,706,128		78:	2,700,568		44.5:	2,726,894	
		2,706,124			2,717,791		70:	2,703,725			2,706,129			2,703,252		47:	2,701,162	
		2,708,125			2,723,140			2,717,168			2,706,130			2,709,616		49.2:	2,704,224	
		2,714,022			2,723,141		71:	2,714,029			2,707,124		79:	2,710,766			2,704,689	
		2,719,045			2,708,131		73:	2,710,764			2,716,569			2,716,571			2,709,620	
		2,727,764			2,712,953		74:	2,703,726			2,723,146		81:	2,712,469			2,711,344	
	6:	2,704,217		85:	2,706,126		75:	2,707,120		283:	2,710,215			2,718,425		49.3:	2,715,544	
		2,709,095			2,709,096			2,723,144		285:	2,718,424			2,721,757		61:	2,721,758	
		2,714,023			2,712,462		79:	2,722,443		288:	2,703,728		82:	2,699,965			2,727,781	
	7:	2,700,561			2,716,566		92:	2,710,211		292:	2,719,746			2,710,767		76:	2,709,108	
	8:	2,723,867			2,723,870			2,719,048		300:	2,709,612		83:	2,710,218		84:	2,715,042	
		2,726,882			2,728,593		100:	2,699,350		302:	2,723,147			2,711,921			2,716,041	
	9:	2,708,126		89:	2,719,742		106:	2,713,505			2,722,449			2,722,449		91:	2,710,772	
		2,710,205		90:	2,701,151			2,726,108		305:	2,714,033			2,723,876			2,721,096	
		2,711,332			2,705,163		108:	2,699,962		310:	2,701,159		86:	2,709,617			2,727,782	
		2,714,024			2,707,645		112:	2,719,745		323:	2,723,149			2,717,172		95:	2,707,128	
		2,719,737			2,708,590		113:	2,701,156		325:	2,707,647			2,727,778			2,716,572	
		2,721,747			2,708,591			2,701,157			2,709,613			2,728,599			2,720,415	
		2,723,868			2,710,208			2,704,218			2,712,958		87:	2,698,765		97:	2,703,254	
		2,726,883			2,718,418			2,709,611			2,717,170			2,711,338			2,703,255	
	10:	2,705,653			2,727,768			2,712,955		332:	2,717,797			2,714,523			2,706,659	
	11:	2,700,562		92:	2,701,152		121:	2,703,727			2,728,596			2,718,426			2,711,923	
		2,701,150			2,709,097		124:	2,717,794		335:	2,710,216		87.2:	2,703,253			2,714,036	
		2,702,203			2,716,033		125:	2,725,248			2,723,873			2,704,222			2,715,043	
		2,705,654			2,718,419		128:	2,704,219		336:	2,722,446			2,711,922			2,721,759	
		2,706,650			2,726,107			2,710,212		336.3:	2,699,353			2,712,959			2,726,114	
		2,706,651			2,728,594			2,712,464			2,701,160			2,713,508		98:	2,723,156	
		2,711,914		103:	2,710,763		139:	2,721,750			2,703,729		87.28:	2,709,618		102:	2,715,044	
		2,712,459		104:	2,701,153		140:	2,725,249			2,705,165			2,709,619		106:	2,707,653	
		2,712,460		119:	2,700,564		144:	2,714,521			2,707,648			2,710,219		107:	2,704,225	
		2,713,504			2,721,090			2,716,567			2,709,102		89:	2,719,747			2,707,129	
		2,717,790			2,708,132			2,717,169			2,721,095		92:	2,710,220			2,708,137	
		2,719,738		125:	2,704,682			2,727,772			2,723,150			2,720,412			2,711,924	
		2,720,404		127:	2,703,724		147:	2,701,734			2,723,874		94:	2,701,736			2,714,525	
		2,722,439		129:	2,706,654		148:	2,707,646		337:	2,726,891		96:	2,699,354			2,727,783	
		2,723,869		288—	2:	2,711,919		152:	2,709,099		338:	2,704,220			2,719,051		110:	2,717,803
		2,727,765			2,717,792			2,722,444		339:	2,709,614			2,728,600			2,705,169	
	11.13:	2,710,206			2,719,743		153:	2,716,039			2,709,615		97:	2,706,658		111:	2,704,226	
	11.14:	2,706,652			2,727,769		165:	2,718,421		340:	2,703,730		99:	2,705,167		117:	2,710,223	
		2,724,603		3:	2,701,154			2,724,606			2,712,465			2,711,339			2,715,545	
	11.15:	2,712,461			2,704,683		167:	2,712,956			2,723,151			2,727,779		120:	2,709,621	
		2,714,025			2,705,164			2,725,250		341.14:	2,726,892		102:	2,718,427		137:	2,711,345	
		2,728,591			2,709,098			2,726,109		341.15:	2,707,125		106:	2,707,126		297—	3:	2,702,723
	11.16:	2,707,118			2,709,609		169:	2,702,204			2,715,542		110:	Re.24,058		8:	2,722,451	
	15:	2,721,748		5:	2,701,155			2,709,100			2,721,752			2,722,450		9:	2,698,766	
		2,726,105			2,711,333			2,711,920			2,721,753		116:	2,723,877		11:	2,714,526	
		2,728,592		8:	2,716,034			2,715,036			2,721,754		118:	2,705,658		15:	2,720,416	
	16:	2,712,951		11:	2,721,091			2,720,408										



299—	6: 2,700,575 2,724,613 13: 2,709,622 18: 2,711,925 2,723,157 2,728,603 20: 2,698,767 2,708,138 2,721,098 2,722,452 24: 2,708,595 2,711,346 2,717,174 2,718,432 2,720,419 2,721,099 2,723,158 2,728,604 25: 2,721,100 2,721,101 28.5: Re.24,008 28.6: 2,726,118 29: 2,714,527 30: 2,699,967 2,708,596 37: 2,722,453 38: 2,721,102 39: 2,706,133 41: 2,725,256 45: 2,703,256 47: Re.24,041 2,707,130 2,710,225 2,712,960 2,728,605 49: 2,726,895 50: 2,707,655 2,716,573 2,722,454 2,726,119 52: 2,718,433 58: 2,707,656 2,714,528 2,722,455 2,722,456 59: 2,699,968 2,705,170 2,708,597 2,712,961 2,720,420 2,721,762 2,727,784 60: 2,706,134 2,709,623 2,714,037 2,723,879 62: 2,711,347 2,713,509 63: 2,700,576 2,703,257 2,709,110 2,711,926 2,728,606 2,728,607 65: 2,700,577 68: 2,714,038 69: 2,708,598 2,710,226 2,719,751 2,723,159 2,727,785 73: 2,699,356 2,703,258 2,703,259 2,711,927 2,723,160 77: 2,719,752 82.5: 2,728,608 83: 2,717,175 84: 2,708,599 2,711,928 2,712,471 2,717,176 2,728,609 86: 2,699,969 2,705,171 2,707,657 2,708,600 2,713,510 2,715,045 2,717,177 2,717,804 2,721,763 2,723,880 2,727,786 88: 2,701,737 2,711,348 2,714,529 2,720,421 88.5: 2,726,896 89: 2,712,472 90: 2,723,881 2,727,787 92: 2,723,161 95: 2,700,578	299—	95: 2,701,163 2,705,661 2,706,660 2,709,111 2,720,422 96: 2,719,753 97: 2,704,690 2,717,178 2,719,754 98: 2,710,227 104: 2,705,662 2,708,139 2,714,530 105: 2,709,624 106: 2,716,574 2,721,764 2,723,882 107: 2,699,357 107.2: 2,717,805 107.5: 2,710,228 107.6: 2,699,358 2,708,601 2,719,055 114: 2,703,260 115: 2,701,164 118: 2,719,755 120: 2,715,546 2,721,765 121: 2,712,962 2,714,531 2,715,547 2,724,614 128: 2,715,046 129: 2,701,165 130: 2,701,738 131: 2,711,929 140: 2,710,229 2,717,806 2,719,056 140.1: 2,724,615 141: 2,709,112 2,726,897 2,727,788 144: 2,722,457 2,726,898 145: 2,726,120 150: 2,705,663 2,724,616 154: 2,722,458 2,701,739 2,712,473 4: 2,710,774 7: 2,709,625 14: 2,720,423 1: 2,717,807 5: 2,714,039 2,719,756 5.7: 2,701,740 2,717,808 2,726,899 9: 2,702,724 2,718,434 2,726,900 2,727,789 13: 2,714,040 37: 2,698,768 2,699,359 2,699,360 2,699,361 2,705,172 2,709,113 2,709,114 2,710,775 2,710,776 2,711,349 2,711,930 2,712,474 2,713,511 2,713,512 2,713,513 2,713,514 2,713,515 2,713,516 2,713,517 2,713,518 2,713,519 2,714,041 2,717,179 2,719,757 2,722,459 2,722,460 2,725,257 2,725,258 2,727,790 2,728,610 41: 2,699,362 2,705,173 2,709,115 2,710,777 47: 2,714,042 59: 2,702,725 63: 2,698,769 2,706,135 64: 2,710,230 105: 2,709,116	301—	108: 2,714,532 111: 2,723,162 124: 2,707,131 133: 2,721,766 302—	2: 2,727,791 11: 2,714,533 14: 2,708,140 2,722,461 15: 2,718,435 17: 2,699,363 2,699,970 2,701,166 2,703,732 2,704,228 2,716,575 2,723,883 2,724,617 2,724,618 2,727,792 19: 2,723,163 23: 2,711,931 2,719,057 27: 2,706,136 29: 2,708,602 2,715,047 2,715,548 37: 2,698,770 2,701,741 2,703,733 2,721,767 38: 2,710,231 42: 2,708,141 2,716,042 48: 2,717,180 49: 2,708,603 2,712,475 2,712,963 51: 2,717,809 52: 2,715,549 53: 2,702,207 2,704,691 2,707,132 2,708,604 2,711,350 2,712,476 2,715,048 2,715,550 2,717,810 2,717,811 2,724,619 2,725,259 2,726,121 2,726,122 55: 2,715,551 56: 2,717,812 2,719,058 57: 2,714,043 59: 2,702,208 2,704,229 2,705,664 2,708,142 2,717,181 2,720,424 61: 2,702,726 63: 2,720,425 66: 2,708,605 2,710,232 1: 2,715,049 3: 2,699,971 2,707,133 2,718,436 2,723,884 6.1: 2,720,426 14: 2,699,972 19: 2,711,932 22: 2,699,973 2,715,050 2,719,059 2,720,427 2,720,428 2,720,429 2,721,768 2,721,769 26: 2,723,164 2,725,260 35: 2,707,134 38: 2,714,534 39: 2,703,734 54: 2,718,437 60: 2,711,933 2,721,104 68: 2,725,261 2: 2,701,167 2,720,430 4: 2,702,727 5: 2,698,771 2,705,174 2,706,661 9: 2,701,168 2,702,209 15: 2,727,793 24: 2,714,044 2,723,885 2,725,262 27: 2,702,210	304—	29: 2,713,520 2,719,060 2,724,620 31.5: 2,709,626 2,726,901 32: 2,706,662 37: 2,719,061 38: 2,726,123 40: 2,708,606 2,708,607 2,710,233 2,716,576 2,726,902 305—	8: 2,702,211 2,706,663 2,709,117 2,719,062 2,726,903 9: 2,702,212 2,705,175 2,716,577 2,717,813 2,728,611 10: Re.23,954 2,699,974 2,701,169 2,702,213 2,707,658 2,708,608 2,711,351 2,712,964 2,713,521 2,714,535 2,719,063 2,719,758 2,719,759 2,726,904 2,727,794 2,728,612 306—	13: 2,704,692 19: 2,725,263 27: 2,716,043 28: 2,702,214 45: 2,706,664 14: 2,723,352 26: 2,707,240 35: 2,714,171 43: 2,721,946 2,727,999 48: 2,725,488 51: 2,714,172 2,717,318 57: 2,707,241 2,710,927 58: 2,700,113 2,704,332 64: 2,701,314 66: 2,716,706 67: 2,725,489 73: 2,709,756 80: 2,725,490 2,728,865 84: 2,711,487 85: 2,713,643 88: 2,708,722 2,709,225 2,709,757 2,710,928 2,717,965 2,720,597 2,721,947 2,723,353 2,723,354 88.5: 2,713,644 2,723,355 2,724,061 2,724,780 89: 2,698,907 90: 2,714,671 93: 2,710,356 96: 2,706,256 97: 2,720,598 103: 2,711,488 2,713,126 105: 2,705,759 2,709,758 2,724,062 106: 2,703,368 2,709,759 2,719,237 2,727,159 2,727,160 107: 2,698,908 2,718,599 108: 2,700,114 2,716,194 110: 2,710,357 2,716,707 112: 2,700,737 2,719,927 2,724,781 114: 2,707,754 119: 2,713,645	307—	125: 2,718,600 127: 2,724,782 130: 2,706,257 132: 2,704,814 2,706,258 2,711,489 2,715,187 2,715,188 2,718,601 133: 2,712,082 140: 2,706,794 149: 2,702,867 2,704,815 2,728,866 150: 2,726,340 151: 2,701,843 155: 2,710,358 2: 2,702,728 2,714,536 2,719,760 2,721,770 2,723,165 3: 2,707,659 2,713,522 2,719,761 3.5: 2,706,665 2,707,135 3.8: 2,726,905 4: 2,715,552 2,722,462 2,725,264 2,725,265 5: 2,699,364 6: 2,723,886 8: 2,704,230 9: 2,710,234 2,711,934 2,712,965 2,717,182 2,722,463 10: 2,699,365 2,704,231 2,713,523 2,725,266 16: 2,708,143 2,712,477 18: 2,703,261 20: 2,702,868 2,717,814 22: 2,704,232 2,704,693 23: 2,716,578 26: 2,698,772 2,703,735 2,722,464 28: 2,715,051 2,722,465 2,723,166 36.1: 2,701,742 2,702,729 2,715,553 36.3: 2,714,045 40: 2,704,694 47: 2,703,262 2,721,771 62: 2,711,935 2,724,621 63: 2,710,235 70: 2,710,236 2,714,537 2,719,064 2,706,666 2,711,352 73: 2,702,730 2,724,622 74: 2,703,263 76: 2,709,627 2,710,778 77: 2,714,538 2,717,183 83: 2,714,046 2,720,431 84: 2,702,731 2,705,665 2,721,772 85: 2,711,353 86: 2,710,779 2,718,438 2,723,167 88: 2,711,354 2,713,524 2,722,466 89: Re.24,014 2,707,660 2,728,613 107: 2,712,478 109: 2,723,168 121: 2,700,579 2,700,580 2,706,667 2,719,762 2,721,773 122: 2,719,065 134.1: 2,711,355 2,714,539	308—	137: 2,712,479 2,720,432 140: 2,701,170 2,703,736 159: 2,708,609 160: 2,701,171 2,721,105 2,721,774 2,727,795 162: 2,708,610 163: 2,703,737 2,716,579 169: 2,706,668 172: 2,698,773 176: 2,719,763 178: 2,711,356 2,727,796 180: 2,703,738 2,712,480 181: 2,712,966 187: 2,702,215 2,711,936 2,712,967 2,717,184 2,718,439 2,718,440 2,728,614 187.1: 2,712,968 2,712,969 2,724,623 2,728,615 187.2: 2,699,366 2,712,970 2,715,554 2,717,185 2,718,441 2,719,764 2,728,616 189: 2,711,937 2,728,617 193: 2,719,765 194: 2,704,695 2,720,433 195: 2,723,169 196: 2,702,216 200: 2,724,624 201: 2,706,137 2,706,669 2,712,481 2,716,580 2,726,906 202: 2,720,434 204: 2,702,217 2,702,218 2,704,233 212: 2,721,775 213: 2,705,666 217: 2,705,176 2,711,938 2,721,776 222: 2,728,618 227: 2,726,907 233: 2,704,696 2,712,482 235: 2,724,625 236: 2,724,626 237: 2,704,234 2,713,525 2,718,442 238: 2,700,581 240: 2,698,774 2,728,619 243: 2,708,611 2: 2,719,766 3: Re.23,976 2,701,743 2,717,186 4: 2,701,172 2,710,237 2,712,483 7: 2,719,767 8: 2,702,219 2,718,443 11: 2,705,667 2,704,697 14: 2,707,136 2,713,526 2,716,581 17: 2,708,144 2,725,267 19: 2,703,264 2,709,628 22: 2,727,797 23: 2,705,177 2,709,118 2,718,444 2,726,124 2,726,908 2,728,620 29: 2,709,629 33: 2,702,220 2,708,612 2,711,939 2,719,768
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309—	40: 2,722,467 43: 2,703,739 44: 2,709,630 2,715,555 45: 2,707,661 2,712,971 2,713,527 2,715,556 2,720,435 2,723,170 46: 2,705,178 310—	310—	94: 2,702,872 97: 2,720,603 2,720,604 2,725,493 98: 2,718,602 102: 2,715,689 103: 2,722,617 104: 2,705,762 2,724,784 105: 2,701,315 111: 2,719,930 112: 2,705,763 2,717,969 113: 2,728,003 126: 2,725,494 138: 2,717,321 154: 2,710,930 155: 2,718,603 156: 2,703,849 2,719,931 162: 2,721,281 166: 2,700,739 172: 2,709,762 2,713,646 2,726,344 180: 2,713,128 187: 2,726,345 194: 2,709,763 2,711,490 2,714,173 2,720,605 196: 2,705,292 213: 2,714,675 214: 2,701,316 2,710,931 2,723,358 215: 2,701,317 216: 2,712,084 217: 2,715,193 220: 2,715,690 224: 2,721,282 225: 2,717,970 227: 2,700,740 228: 2,703,372 232: 2,718,604 235: 2,708,246 2,721,283 239: 2,708,723 2,709,764 2,710,360 2,711,491 2,724,066 2,727,165 244: 2,727,166 246: 2,706,261 254: 2,707,756 2,711,492 2,716,709 2,722,618 2,723,359 258: 2,701,318 2,716,710 2,719,239 261: 2,708,724 262: 2,712,085 265: 2,714,174 266: 2,721,284 268: 2,724,067 311—	311—	37: 2,710,780 39: 2,710,239 2,721,106 2,723,888 2,726,126 2,727,799 2,728,621 41: 2,707,663 42: 2,707,138 48: 2,699,975 2,699,976 55: 2,708,614 60: 2,712,485 62: 2,725,268 66: 2,703,740 67: 2,723,172 68: 2,704,236 71: 2,712,972 77: 2,706,138 2,707,664 2,708,145 80: 2,720,437 82: 2,707,139 83: 2,709,120 2,713,529 2,716,582 2,717,817 84: 2,714,542 85: 2,703,741 2,723,173 87: 2,701,745 2,712,486 88: 2,725,269 89: 2,699,977 2,721,778 90: 2,709,631 2,715,053 2,715,558 2,719,067 92: 2,699,978 95: 2,723,889 99: 2,707,140 2,708,146 2,714,543 2,719,068 2,726,127 103: 2,703,266 2,707,141 2,713,530 104: 2,723,890 106: 2,709,632 2,717,187 107: 2,702,221 108: 2,723,891 109: 2,702,222 2,702,223 2,709,633 110: 2,700,584 112: 2,703,742 2,723,892 114: 2,698,775 2,710,781 2,723,174 312—	312—	221: 2,709,123 2,719,770 223: 2,705,181 2,726,914 225: 2,703,267 226: 2,721,107 228: 2,725,272 231: 2,700,587 236: 2,728,623 238: 2,698,776 241: 2,718,447 245: 2,711,942 2,717,819 2,719,771 2,721,779 2,727,800 256: 2,710,784 2,710,785 257: 2,705,182 2,710,241 2,722,468 2,725,273 258: 2,726,129 262: 2,728,624 263: 2,701,174 269: 2,723,175 270: 2,699,368 2,724,628 274: 2,702,224 2,724,629 275: 2,702,734 279: 2,707,665 281: 2,716,045 282: 2,723,895 286: 2,709,635 2,716,046 289: 2,719,070 290: 2,725,274 292: 2,712,974 293: 2,711,357 296: 2,714,546 2,723,896 298: 2,715,560 303: 2,716,583 304: 2,721,780 310: 2,722,469 311: 2,702,225 2,706,141 318: 2,723,176 319: 2,707,666 2,728,625 322: 2,723,177 323: 2,704,237 2,717,188 327: 2,719,071 329: 2,710,242 330: 2,711,943 333: 2,711,358 2,711,944 2,728,626 337: 2,726,915 340: 2,719,772 2,724,630 341: 2,701,747 2,726,916 343: 2,699,369 346: 2,699,370 348: 2,704,699 351: 2,717,189 7: 2,727,167 13: 2,727,168 19: 2,701,846 25: 2,715,691 2,721,285 29: 2,724,785 2,724,786 30: 2,716,711 32: 2,715,194 33: 2,712,086 37: 2,719,240 2,726,346 38: 2,725,495 2,727,169 40: 2,714,676 43: 2,707,245 54: 2,709,229 2,728,004 2,728,005 57: 2,720,607 60: 2,718,605 61: 2,714,677 62: 2,721,949 63: 2,704,335 2,715,692 2,715,693 2,715,694 2,715,695 2,716,197 65: 2,698,912 2,699,511 2,699,512 2,700,116 2,713,129 2,717,971 2,719,241	313—	65: 2,723,360 67: 2,727,170 68: 2,705,764 69: 2,701,319 2,712,087 2,721,286 2,721,287 70: 2,722,619 2,719,242 2,726,347 2,726,348 71: 2,728,006 72: 2,701,847 2,703,850 2,717,972 73: 2,723,361 74: 2,722,620 75: 2,727,171 76: 2,704,816 2,717,322 2,718,606 2,722,621 77: Re.23,964 2,711,493 2,717,323 2,722,622 2,725,496 78: 2,702,873 2,721,288 79: 2,707,246 2,723,362 2,722,623 82: 2,701,320 2,708,725 2,719,243 2,728,007 83: 2,699,510 84: 2,701,321 2,714,678 2,717,324 2,720,606 85: 2,714,679 2,727,172 2,728,008 89: 2,728,009 92: 2,706,262 2,714,175 2,728,010 2,728,011 2,728,012 2,728,013 93: 2,699,513 2,712,088 2,714,680 2,715,195 2,724,068 95: 2,728,014 101: 2,727,173 103: 2,708,726 107.5: 2,712,612 108: 2,709,765 2,721,950 2,728,870 109: 2,699,514 2,701,848 2,709,766 2,714,681 2,714,682 2,714,683 110: 2,716,712 111: 2,699,515 2,717,973 112: 2,714,684 2,719,932 114: 2,721,289 117: Re.24,057 2,700,117 148: 2,706,263 149: 2,702,355 2,703,373 2,703,374 2,724,787 163: 2,727,174 165: 2,728,015 174: 2,719,933 175: 2,708,247 178: 2,701,849 184: 2,707,247 2,728,871 185: 2,714,685 2,716,713 187: 2,707,753 193: 2,705,293 204: 2,725,497 210: 2,715,696 212: 2,709,767 214: 2,714,686 2,714,687 217: 2,725,498 225: 2,727,175 231: 2,716,198 239: 2,721,951 240: 2,698,913 2,705,294	313—	243: 2,719,934 2,719,935 247: 2,707,757 249: 2,699,517 250: 2,716,199 2,722,624 254: 2,721,290 256: 2,727,176 260: 2,722,625 261: 2,708,248 2,716,200 268: 2,728,016 270: 2,708,249 2,717,325 271: 2,716,714 273: 2,726,349 274: 2,712,089 276: 2,716,201 2,721,291 278: 2,728,017 282: 2,708,250 293: 2,717,974 2,719,244 2,724,069 300: 2,699,518 305: 2,715,196 328: 2,716,715 331: 2,717,975 332: 2,720,608 337: 2,723,363 2,724,070 339: 2,724,788 341: 2,727,177 2,727,178 346: 2,700,118 2,716,716 2,718,607 2,722,626 348: 2,721,952 356: 2,724,071 20: 2,704,817 21: 2,716,717 38: 2,721,292 52: 2,712,090 62: 2,728,018 69: 2,700,119 2,717,326 2,719,245 2,728,011 73: 2,721,948 1: 2,712,613 3: 2,707,758 3.5: 2,708,727 2,716,202 2,719,936 2,720,609 2,721,953 2,727,179 3.6: 2,701,322 2,707,759 2,712,614 2,720,610 2,725,499 5: 2,699,519 2,719,246 2,724,072 2,727,180 2,727,181 6: 2,717,327 2,720,611 7: 2,728,019 8.6: 2,728,020 9: 2,702,356 2,718,608 2,726,351 10: 2,701,850 2,719,247 2,727,182 2,728,021 11: 2,716,203 2,726,352 12: 2,706,264 2,713,647 2,713,648 2,719,248 2,726,353 2,727,184 2,728,872 13: 2,706,796 2,707,248 2,713,649 2,714,688 2,717,976 2,718,609 2,719,249 2,726,354 2,728,022 2,728,023 14: 2,717,328 2,726,350 17: 2,714,176 2,716,204 2,718,610
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315—	17: 2, 728, 024 18: 2, 704, 336 2, 721, 954 20: 2, 709, 768 2, 714, 177 2, 725, 500 21: 2, 705, 765 2, 710, 361 2, 710, 362 2, 713, 650 2, 718, 611 2, 721, 293 2, 721, 955 2, 728, 025 2, 728, 026 2, 728, 873 22: 2, 699, 520 2, 700, 741 2, 709, 230 2, 709, 769 2, 716, 718 2, 721, 956 2, 726, 355 24: 2, 700, 742 2, 706, 265 2, 709, 770 2, 717, 329 2, 717, 330 25: 2, 722, 627 2, 728, 027 27: 2, 701, 851 2, 702, 874 2, 702, 875 2, 708, 278 2, 710, 363 2, 712, 091 2, 712, 092 2, 712, 093 2, 712, 094 2, 712, 615 2, 712, 616 2, 713, 651 2, 713, 652 2, 728, 028 2, 728, 874 2, 728, 875 2, 728, 876 29: 2, 711, 494 2, 724, 073 30: 2, 698, 914 2, 700, 743 39: 2, 706, 797 2, 710, 932 2, 715, 697 39. 53: 2, 713, 653 2, 721, 294 39. 61: 2, 704, 337 2, 704, 338 2, 714, 178 39. 69: 2, 710, 364 2, 721, 295 39. 71: 2, 727, 185 39. 73: 2, 728, 029 39. 75: 2, 727, 186 40: 2, 721, 957 52: 2, 721, 958 57: 2, 712, 095 58: 2, 712, 096 2, 723, 364 2, 725, 501 2, 727, 187 77: 2, 717, 331 83: 2, 718, 612 84. 5: 2, 724, 789 92: 2, 714, 689 96: 2, 722, 628 97: 2, 719, 937 2, 721, 296 98: 2, 706, 266 99: 2, 712, 617 100: 2, 703, 375 2, 717, 332 103: 2, 714, 690 2, 714, 691 2, 716, 719 2, 717, 333 110: 2, 707, 249 111: 2, 712, 097 2, 728, 877 115: 2, 724, 790 135: 2, 707, 760 138: 2, 709, 231 2, 712, 618 2, 716, 205 159: 2, 710, 365 163: 2, 707, 250 2, 714, 179 2, 722, 629 166: 2, 709, 771 2, 714, 180 2, 717, 334 2, 719, 250 2, 720, 612 2, 722, 630 2, 728, 030	315—	168: 2, 702, 357 169: 2, 723, 365 180: 2, 700, 120 2, 700, 121 2, 716, 720 2, 727, 188 181: 2, 728, 031 183: 2, 708, 251 2, 711, 495 2, 717, 335 2, 717, 336 2, 722, 631 2, 726, 356 197: 2, 715, 698 201: 2, 701, 852 208: 2, 715, 699 219: 2, 703, 376 226: 2, 703, 851 232: 2, 714, 692 234: 2, 721, 959 2, 724, 791 2, 724, 792 237: 2, 722, 632 243: 2, 717, 337 258: 2, 721, 960 282: 2, 715, 197 309: 2, 723, 366 342: 2, 700, 122 362: 2, 698, 915 2: 2, 717, 190 12: 2, 699, 371 19: 2, 713, 532 2, 716, 584 20: 2, 701, 175 21: 2, 721, 108 23: 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2, 722, 635	317—	171: 2, 724, 794 172: 2, 728, 880 176: 2, 728, 033 188: 2, 717, 340 191: 2, 715, 199 195: 2, 727, 191 198: 2, 717, 978 2, 721, 963 200: 2, 713, 131 2, 719, 252 201: 2, 698, 917 2, 727, 192 203: 2, 722, 636 230: 2, 710, 369 2, 716, 721 2, 722, 637 2, 724, 076 234: 2, 698, 918 2, 702, 359 2, 702, 360 2, 703, 855 2, 707, 251 2, 707, 252 2, 712, 102 2, 712, 619 2, 712, 620 2, 713, 655 2, 714, 182 2, 714, 694 2, 716, 207 2, 718, 615 2, 720, 616 2, 721, 964 2, 725, 503 2, 726, 357 235: 2, 699, 521 2, 701, 326 2, 702, 361 2, 704, 340 2, 705, 767 2, 705, 768 2, 707, 762 2, 709, 232 2, 714, 183 2, 716, 722 2, 717, 341 2, 717, 342 2, 717, 343 2, 718, 616 2, 720, 617 2, 721, 965 2, 724, 077 2, 725, 504 2, 725, 505 2, 725, 506 2, 728, 034 2, 728, 881 236: 2, 703, 856 2, 704, 818 2, 713, 132 2, 722, 638 2, 723, 370 237: 2, 719, 253 238: 2, 699, 522 2, 700, 126 2, 711, 496 2, 711, 497 2, 721, 966 239: 2, 708, 255 2, 712, 621 2, 713, 133 241: 2, 724, 078 2, 724, 079 242: 2, 702, 878 2, 706, 798 245: 2, 714, 184 246: Re. 24, 082 2, 699, 523 2, 728, 035 248: 2, 718, 617 249: 2, 708, 729 256: 2, 704, 341 258: 2, 711, 498 260: 2, 728, 036 261: 2, 703, 857 6: 2, 706, 267 2, 707, 253 2, 707, 254 2, 708, 256 2, 709, 772 2, 710, 370 2, 712, 622 2, 715, 701 2, 722, 639 2, 725, 507 2, 725, 508 2, 725, 509 7: 2, 703, 858 2, 715, 702 16: 2, 701, 327 2, 709, 773 17: 2, 726, 358 18: 2, 701, 328 2, 708, 257 2, 714, 185	318—	19: 2, 700, 106 2, 705, 298 2, 713, 134 2, 716, 208 2, 717, 979 2, 717, 980 2, 719, 254 2, 720, 618 2, 728, 882 22: 2, 706, 799 24: 2, 700, 745 28: 2, 707, 255 2, 708, 258 2, 708, 730 2, 711, 499 2, 713, 135 2, 715, 703 2, 727, 194 2, 728, 037 29: 2, 701, 853 2, 703, 379 2, 704, 819 2, 710, 933 2, 711, 500 2, 712, 623 2, 713, 656 2, 714, 695 2, 722, 640 2, 724, 795 30: 2, 701, 329 2, 703, 380 2, 719, 940 31: 2, 701, 854 2, 704, 342 2, 709, 233 2, 715, 704 2, 715, 705 2, 717, 344 2, 720, 619 2, 722, 641 2, 725, 510 32: 2, 720, 620 33: 2, 721, 967 2, 726, 359 45: 2, 704, 343 46: 2, 724, 080 2, 726, 360 52: 2, 716, 209 64: 2, 712, 103 67: 2, 709, 234 74: 2, 716, 723 75: 2, 707, 256 82: 2, 728, 038 93: 2, 727, 195 97: 2, 712, 104 99: 2, 714, 696 102: 2, 715, 201 118: 2, 714, 186 2, 717, 981 125: 2, 700, 746 2, 719, 941 127: 2, 701, 330 128: 2, 701, 331 129: 2, 717, 345 134: 2, 711, 501 139: 2, 710, 371 142: 2, 727, 196 144: 2, 709, 774 2, 722, 642 146: 2, 716, 210 162: 2, 705, 769 2, 710, 934 167: 2, 709, 235 173: 2, 726, 361 175: 2, 700, 127 2, 715, 202 194: 2, 711, 502 196: 2, 707, 257 197: 2, 707, 258 200: 2, 705, 770 202: 2, 712, 105 2, 725, 511 2, 726, 362 203: 2, 709, 236 204: 2, 704, 344 207: 2, 701, 855 2, 707, 259 2, 709, 237 2, 715, 203 2, 717, 346 2, 717, 347 2, 719, 942 2, 721, 298 2, 728, 039 208: 2, 706, 268 215: 2, 722, 643 220: 2, 703, 859 2, 704, 345 2, 706, 269 2, 716, 724 2, 716, 725 2, 727, 197 2, 727, 198 221: 2, 711, 503 2, 717, 348	318—	221: 2, 722, 644 2, 728, 883 224: 2, 715, 204 225: 2, 702, 362 2, 707, 763 2, 713, 657 2, 722, 645 226: 2, 709, 775 227: 2, 703, 860 229: 2, 707, 260 2, 719, 255 2, 722, 646 230: 2, 728, 884 231: 2, 710, 372 2, 714, 697 2, 727, 199 237: 2, 717, 349 241: 2, 719, 256 249: 2, 716, 726 250: 2, 724, 796 254: 2, 717, 350 2, 719, 943 2, 719, 944 2, 725, 512 258: 2, 701, 856 261: 2, 708, 259 264: 2, 715, 706 265: 2, 714, 698 269: 2, 721, 968 272: 2, 725, 513 275: 2, 726, 363 2, 728, 040 283: 2, 706, 270 2, 715, 707 2, 728, 885 285: 2, 701, 857 297: 2, 727, 200 298: 2, 713, 137 306: 2, 712, 624 308: 2, 724, 081 317: 2, 727, 201 325: 2, 703, 381 2, 705, 299 2, 719, 945 326: 2, 708, 731 2, 722, 647 331: 2, 707, 764 2, 712, 625 2, 715, 708 2, 721, 299 332: 2, 708, 260 341: 2, 707, 261 345: 2, 720, 621 372: 2, 710, 935 447: 2, 727, 202 448: 2, 699, 524 453: 2, 721, 300 464: 2, 713, 138 466: 2, 705, 771 2, 725, 514 467: 2, 712, 106 2, 714, 699 470: 2, 713, 139 473: 2, 710, 373 475: 2, 721, 301 2, 726, 364 476: 2, 722, 648 480: 2, 727, 203 481: 2, 704, 346 482: 2, 724, 082 2, 728, 041 489: Re. 24, 010 2, 715, 709 494: 2, 722, 649 546: 2, 724, 083 1: 2, 713, 658 2, 716, 211 2: 2, 710, 936 2, 710, 937 22: 2, 715, 710 25: 2, 711, 504 34: 2, 724, 084 35: 2, 709, 238 40: 2, 713, 659 46: 2, 701, 332 2: 2, 700, 747 2, 710, 374 2, 722, 650 7: 2, 704, 820 2, 721, 302 8: 2, 702, 879 2, 707, 765 2, 719, 946 2, 728, 042 2, 728, 886 12: 2, 701, 333 2, 728, 043 13: 2, 711, 505 14: 2, 723, 371 16: 2, 701, 858 2, 708, 732 2, 725, 520 18: 2, 702, 880 2, 704, 821 2, 717, 351	321—	18: 2, 719, 257 2, 719, 258 2, 721, 303 19: 2, 707, 262 2, 720, 622 2, 721, 304 2, 723, 372 2, 725, 515 23: 2, 725, 516 25: 2, 710, 938 27: 2, 716, 212 40: 2, 728, 887 57: 2, 714, 700 2: 2, 720, 623 6: 2, 698, 919 16: 2, 717, 982 19: 2, 700, 748 2, 716, 213 23: 2, 709, 776 24: 2, 710, 939 2, 718, 618 2, 721, 305 2, 724, 797 2, 725, 517 2, 725, 518 2, 728, 044 25: 2, 702, 363 2, 707, 263 2, 707, 264 2, 712, 107 2, 719, 259 2, 719, 260 2, 722, 651 2, 722, 652 2, 722, 653 28: 2, 699, 525 2, 703, 861 2, 705, 772 2, 715, 205 2, 716, 727 29: 2, 724, 085 32: 2, 703, 862 36: 2, 712, 108 2, 715, 206 2, 717, 352 40: 2, 716, 728 42: 2, 712, 109 50: 2, 708, 733 96: 2, 713, 660 1: 2, 722, 654 7: 2, 716, 729 2, 724, 086 18: 2, 711, 506 2, 721, 306 19: 2, 703, 382 20: 2, 708, 734 22: 2, 707, 766 2, 710, 940 2, 711, 507 2, 714, 701 2, 717, 353 2, 727, 204 24: 2, 703, 383 43. 5: 2, 705, 300 2, 707, 767 2, 709, 777 2, 712, 110 2, 713, 141 2, 713, 142 2, 721, 969 2, 727, 205 45: 2, 709, 778 47: 2, 717, 354 2, 725, 522 48: 2, 706, 271 52: 2, 713, 143 2, 716, 214 56: 2, 707, 265 2, 714, 187 58: 2, 728, 045 2, 728, 046 60: 2, 722, 655 64: 2, 717, 355 65: 2, 719, 261 66: 2, 700, 128 2, 704, 822 2, 709, 779 2, 714, 188 2, 714, 702 74: 2, 702, 364 2, 713, 144 2, 714, 703 2, 717, 356 75: 2, 706, 272 77: 2, 717, 357 83: 2, 700, 129 89: Re. 24, 068 2, 700, 130 2, 704, 823 2, 723, 373 2, 725, 519 2, 725, 520 2, 725, 521 90: 2, 710, 941 94: 2, 709, 780
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323—	100: 2,702,881	324—	65: 2,703,386	332—	52: 2,709,787	333—	83: 2,716,222	339—	45: 2,710,948	339—	157: 2,712,121
	112: 2,699,526		2,707,770		54: 2,724,803		2,720,628		2,712,117		2,713,671
	119: 2,709,239		2,709,785		56: 2,707,269		2,720,629		2,714,195		159: 2,714,712
	122: 2,722,656		2,713,662		58: 2,708,262		2,720,630		47: 2,713,154		164: 2,700,752
	123: 2,702,365		2,702,365		63: 2,699,529		84: 2,721,312		50: 2,709,792		2,705,785
	2,711,508		2,701,337		64: 2,706,802		95: 2,711,517		2,716,738		2,714,713
	128: 2,705,301		2,702,367		2,711,513		96: 2,701,864		2,719,277		2,721,984
	2,713,145		2,716,215		68: 2,711,514		97: 2,700,137		53: 2,716,739		2,723,382
324—	.5: Re.23,950		2,717,358	333—	6: 2,701,338		2,710,946		55: 2,716,224		2,728,897
	1: 2,721,970		2,727,209		2,709,240		2,719,273		2,722,666	176: 2,708,266	
	2,700,131		2,713,151		2,717,360		2,720,631		57: 2,728,057		2,723,383
	2,701,334		2,720,625		2,723,377		2,700,138		60: 2,715,212		2,719,279
	2,707,266		2,724,088		7: 2,702,884		2,701,344		2,719,956		180: 2,715,214
	2,707,768		2,711,511		2,703,866		2,702,886		2,722,667		2,721,985
	2,708,261		2,706,273		2,705,776		2,705,306		61: 2,710,385		183: 2,703,393
	2,712,626		2,712,634		2,715,210		2,706,278		2,723,381		2,722,670
	2,712,627		2,701,859		2,725,531		2,706,279		64: 2,702,376		184: 2,718,624
	2,712,628		2,715,712		2,726,369		2,706,278		65: 2,706,281		185: 2,717,367
	2,712,629		2,706,274		9: 2,701,339		2,708,263		69: 2,722,668		188: 2,704,356
	2,712,630		2,713,152		2,714,706		2,710,383		74: 2,712,118		2,704,835
	2,712,631		2,720,626		2,723,378		2,714,193		2,714,711		2,724,812
	2,712,632		2,700,749		10: 2,701,340		2,719,274		75: 2,701,866		189: 2,703,871
	2,713,146		2,702,368		2,701,341		2,724,091		2,702,377		191: 2,706,803
	2,713,147		2,704,348		2,701,342	336—	5: 2,702,887		2,716,225		2,715,215
	2,722,657		2,724,799		2,705,305		20: 2,707,271		2,720,633		2,728,060
	2,723,374		2,724,800		2,721,309		2,722,662		2,721,981	192: 2,704,836	
	2,726,365		2,710,376		11: 2,702,371		30: 2,704,352		2,724,093		2,720,636
	2,728,047		2,719,264		2,704,351		2,709,790		2,724,094		2,724,095
	5: 2,719,948		2,717,359		2,709,241		2,717,364		2,728,058	193: 2,699,534	
	6: 2,723,375		2,700,750		2,716,219		2,728,893		76: 2,721,313		2,701,869
	2,725,523		2,704,826		2,715,209		2,710,947		2,724,808	194: 2,705,312	
	8: 2,716,730		2,715,209		2,725,532		61: 2,714,709		87: 2,725,543		2,723,384
	10: 2,704,347		2,721,977		12: 2,710,943		67: 2,701,345		89: 2,707,273		2,724,813
	16: 2,701,335		2,715,711		16: 2,719,270		70: 2,716,735		2,716,740	196: 2,728,061	
	2,728,888		2,712,633		17: 2,724,804		2,723,379		2,728,895	198: Re.23,921	
	17: 2,712,633		2,728,888		20: 2,712,114		2,725,538		90: 2,701,348		2,703,394
	19: 2,699,527		2,712,633		2,718,621		2,699,530		91: 2,698,926		2,707,274
	20: 2,721,971		2,713,663		21: 2,709,242		79: 2,704,353		98: 2,702,831		2,707,774
	24: 2,699,528		2,719,266		2,714,707		83: 2,728,054		2,704,354		2,718,625
	29.5: 2,708,735		125: 2,708,737		2,719,271		84: 2,714,710		2,705,782		2,722,671
	30: 2,703,863		127: 2,712,635		22: 2,701,861		87: 2,722,663		2,705,782		2,724,814
	2,709,781		133: 2,716,216		23: 2,721,310		92: 2,699,531		94: 2,700,140		2,726,375
	2,712,111		137: 2,705,774		27: 2,727,212		96: 2,701,865		2,703,870	205: 2,703,395	
	2,714,189		141: 2,701,860		28: 2,718,622		2,703,390		2,704,355		2,712,122
	2,722,658		145: 2,702,369		2,725,534		2,725,539		2,705,308		2,709,247
	31: 2,725,524		146: 2,710,377		29: 2,702,372		100: 2,699,532		2,727,216	206: 2,705,786	
	32: 2,714,190		147: 2,704,827		2,716,220		105: 2,719,275		2,713,668		2,715,714
	33: 2,721,972		151: 2,719,267		2,727,213		110: 2,703,391		2,720,634	217: 2,700,144	
	2,725,525		156: 2,704,349		30: 2,702,885		130: 2,703,392		2,725,544		2,704,357
	34: 2,698,920		2,712,113		2,703,867		131: 2,717,983		2,700,141		2,715,715
	2,700,132		2,724,801		2,711,515		133: 2,722,664		2,706,282		2,721,986
	2,703,384		2,712,636		2,712,638		134: 2,717,984		2,728,059		2,701,870
	2,705,302		2,728,890		2,714,708		149: 2,711,518		2,728,896	220: 2,701,870	
	2,711,509		2,702,883		2,727,214		155: 2,709,791		2,704,832	225: 2,712,639	
	2,721,973	332—	2: 2,702,883		31: 2,704,829		160: 2,713,666		2,705,783	226: 2,728,898	
	37: 2,719,949		5: 2,704,828		2,716,221		182: 2,706,280		2,709,246	227: 2,713,155	
	2,719,950		6: 2,707,771		32: 2,710,944		183: 2,713,667		2,717,365	238: 2,706,284	
	2,719,951		7: 2,719,954		2,720,627		185: 2,702,374		2,719,957	240: 2,724,815	
	2,719,952		9: 2,707,268		33: 2,705,777		187: 2,710,380		2,720,635	244: 2,710,387	
	2,719,953		2,716,217		34: 2,706,275		192: 2,718,623		2,720,635		2,713,672
	41: 2,706,800		2,716,731		35: 2,707,772		198: 2,702,888		2,724,810	246: 2,712,123	
	2,711,510		11: 2,714,704		2,728,051		200: 2,703,854		2,725,543	252: 2,704,837	
	43: 2,703,864		2,716,732		70: 2,709,788		208: 2,705,781		2,726,375	253: 2,702,895	
	2,706,801		2,721,308		71: 2,709,243		210: 2,702,375		2,712,119	254: 2,701,871	
	2,709,782		2,722,660		2,717,361		211: Re.23,987		2,716,741	255: 2,705,787	
	2,709,783		2,725,530		73: 2,700,136	339—	2: 2,702,889		2,713,670		2,714,197
	2,710,942		13: 2,702,370		2,702,373		4: 2,700,139		2,716,741		2,724,096
	2,713,661		2,704,350		2,714,192		5: 2,702,890		2,705,309	256: 2,701,350	
	2,715,207		14: 2,708,738		2,724,805		2,703,868		2,713,669		2,706,804
	2,721,974		2,714,705		2,724,806		2,711,519		2,726,374		2,709,794
	2,727,206		16: 2,728,049		74: 2,701,862		2,716,223		2,702,892	108: 2,711,524	
	44: 2,702,882		18: 2,703,865		2,724,807		2,725,540		2,706,283		2,703,872
	45: 2,707,769		2,713,149		75: 2,711,516		2,726,371		2,708,265	258: 2,705,788	
	47: 2,727,207		2,713,664		2,716,733		8: 2,712,116		2,702,893		2,710,949
	51: 2,704,824		19: 2,724,089		2,719,272		2,715,713		2,711,522		2,713,673
	52: 2,698,921		23: 2,721,980		77: 2,707,773		2,726,372		2,713,670		2,727,219
	2,707,267		24: 2,710,378		2,716,734		10: 2,723,380		2,715,213	259: 2,704,838	
	2,709,784		2,727,210		78: 2,728,052		12: 2,709,245		2,717,366	261: 2,714,198	
	2,721,307		26: 2,703,387		79: 2,721,311		14: 2,710,381		2,725,546	262: 2,716,744	
	2,725,526		28: 2,712,637		80: 2,726,370		17: 2,701,346		2,727,217	263: 2,699,535	
	53: 2,703,385		2,716,218		2,728,053		2,707,272		2,727,218		2,723,385
	54: 2,701,336		2,724,802		81: 2,701,863		18: 2,714,194		2,700,751	265: 2,701,351	
	2,704,825		2,728,889		2,705,779		19: 2,717,985		2,704,833	266: 2,718,626	
	2,712,112		29: 2,708,739		2,705,780		2,728,055		2,704,834	268: 2,716,226	
	2,724,087		31: 2,713,665		2,706,276		2,728,056		2,705,784		2,724,097
	2,728,889		37: 2,728,891		2,707,270		21: 2,708,264		2,712,120	270: 2,709,795	
	57: 2,700,133		39: 2,726,367		2,709,789		22: 2,698,925		2,720,632	272: 2,727,220	
	2,719,262		41: 2,705,775		2,722,661		2,720,632		2,721,982	274: 2,716,227	
	2,722,659		43: 2,711,512		2,725,535		2,725,541		2,722,669	275: 2,715,216	
	2,725,527		45: 2,719,268		82: 2,706,277		2,725,542		2,705,310	276: 2,707,775	
	2,728,048		47: 2,700,135		2,710,379		26: 2,717,588		2,705,311		2,708,741
	58: 2,702,366		2,712,617		2,717,362		2,724,092		2,716,742		2,715,716
	60: 2,727,208		50: 2,698,922		2,717,363		31: 2,716,737		2,701,868		2,718,627
	61: 2,718,619		51: 2,703,388		2,725,536		32: 2,727,215		2,702,378		2,721,314
	2,718,620		2,713,150		83: 2,698,923		36: 2,722,665		2,716,743	147: 2,702,378	
	2,720,624		2,714,191		2,701,343		40: 2,701,347		2,699,533	150: 2,699,533	
	2,721,975		2,719,269		2,710,945		44: 2,728,894		2,701,349	155: 2,701,349	
	2,721,976		2,727,211		2,713,153		45: 2,703,869		2,702,894		2,710,388
	2,724,798		2,728,050								



340—	3:	2, 721, 987 2, 724, 099 2, 724, 816 2, 724, 817 2, 728, 899 2, 728, 900 4: 2, 715, 717 5: 2, 728, 901 6: 2, 702, 379 2, 703, 396 2, 703, 873 2, 710, 950 2, 721, 315 7: 2, 708, 742 8: 2, 703, 397 9: 2, 724, 818 10: 2, 725, 547 11: 2, 705, 313 2, 723, 386 2, 728, 063 12: 2, 703, 874 2, 728, 902 15: 2, 698, 927 2, 700, 753 2, 712, 124 2, 717, 368 2, 723, 387 17: 2, 705, 314 2, 706, 805 2, 707, 776 2, 717, 369 2, 724, 819 2, 725, 548 20: 2, 722, 672 21: 2, 728, 064 24: 2, 714, 199 2, 728, 065 25: 2, 704, 359 2, 719, 281 2, 719, 282 27: 2, 709, 797 2, 710, 389 2, 713, 156 2, 714, 200 2, 716, 228 2, 718, 628 31: 2, 705, 789 37: 2, 719, 958 40: 2, 702, 896 2, 710, 390 41: 2, 719, 283 43: 2, 720, 637 2, 724, 100 46: 2, 700, 145 49: 2, 699, 536 51: 2, 712, 125 52: 2, 706, 806 2, 711, 525 2, 715, 217 2, 722, 673 2, 724, 101 56: 2, 704, 360 58: 2, 708, 743 2, 710, 391 2, 720, 638 2, 727, 221 72: 2, 722, 674 81: 2, 706, 807 2, 706, 808 2, 706, 809 2, 724, 102 87: 2, 704, 839 116: 2, 700, 754 136: 2, 703, 875 147: 2, 700, 146 2, 706, 810 2, 710, 951 2, 719, 959 149: 2, 700, 755 2, 700, 756 2, 712, 640 2, 714, 201 2, 715, 718 150: 2, 712, 641 151: 2, 717, 370 2, 719, 284 153: 2, 710, 392 154: 2, 727, 222 163: 2, 706, 286 2, 715, 218 2, 715, 719 2, 717, 986 2, 719, 960 2, 726, 377 164: 2, 700, 757 2, 708, 744 2, 721, 988 166: 2, 706, 811 2, 712, 126 2, 719, 961 2, 719, 962	340—	167: 2, 709, 798 2, 710, 952 2, 711, 526 2, 713, 674 168: 2, 713, 675 2, 722, 675 170: 2, 717, 371 171: 2, 710, 953 172: 2, 725, 549 173: 2, 698, 928 2, 700, 147 2, 705, 790 2, 714, 714 2, 717, 372 2, 717, 373 2, 718, 629 174: 2, 700, 148 2, 700, 149 2, 700, 150 2, 702, 380 2, 704, 361 2, 708, 267 2, 709, 248 2, 713, 676 2, 713, 677 2, 714, 202 2, 719, 963 2, 719, 964 2, 719, 965 2, 721, 989 2, 721, 990 2, 722, 676 2, 724, 103 177: 2, 712, 127 178: 2, 703, 876 2, 725, 550 182: 2, 706, 287 183: 2, 712, 128 2, 719, 285 184: 2, 724, 820 187: 2, 702, 381 2, 706, 812 197: 2, 725, 551 199: 2, 700, 758 201: 2, 724, 821 2, 727, 223 202: 2, 728, 066 203: 2, 701, 353 2, 702, 897 2, 708, 745 205: 2, 719, 286 206: Re. 24, 088 207: 2, 701, 354 2, 717, 987 2, 720, 639 2, 727, 224 2, 728, 067 212: 2, 717, 374 213: 2, 700, 151 2, 704, 840 2, 707, 777 2, 709, 249 2, 709, 250 2, 712, 129 2, 712, 642 2, 713, 157 2, 721, 316 2, 724, 104 216: 2, 714, 203 220: 2, 705, 791 2, 728, 903 222: 2, 718, 630 223: Re. 24, 031 2, 701, 872 224: 2, 700, 152 225: 2, 717, 988 2, 720, 640 2, 725, 552 226: 2, 707, 778 2, 711, 527 2, 707, 275 227: 2, 709, 799 2, 710, 393 2, 712, 991 2, 722, 677 2, 724, 105 2, 728, 068 2, 728, 069 2, 728, 904 228: 2, 715, 720 229: 2, 721, 992 234: 2, 699, 537 2, 724, 106 236: 2, 717, 989 2, 723, 388 237: 2, 699, 538 2, 702, 898 2, 705, 315 2, 712, 643 239: 2, 727, 225 2, 698, 929 2, 713, 678	340—	239: 2, 719, 287 242: 2, 716, 229 2, 717, 990 244: 2, 700, 153 2, 701, 355 2, 714, 715 2, 717, 991 2, 722, 678 2, 728, 070 248: 2, 712, 130 2, 722, 679 2, 724, 107 249: 2, 721, 993 250: 2, 707, 779 2, 717, 375 250: 2, 726, 378 251: 2, 719, 288 252: 2, 710, 954 2, 710, 955 2, 710, 956 2, 723, 389 2, 724, 822 253: 2, 700, 759 2, 703, 877 2, 703, 878 2, 704, 841 2, 709, 800 2, 715, 721 2, 715, 722 2, 717, 992 2, 718, 631 2, 719, 289 2, 719, 966 2, 724, 108 2, 728, 071 258: 2, 708, 746 2, 721, 994 259: 2, 700, 154 2, 701, 356 2, 710, 394 2, 726, 379 2, 727, 226 2, 728, 905 261: 2, 709, 251 2, 723, 390 263: 2, 713, 679 2, 715, 723 265: 2, 721, 317 266: 2, 728, 072 267: 2, 727, 227 268: 2, 699, 539 2, 701, 873 2, 706, 288 269: 2, 700, 760 271: 2, 713, 158 2, 717, 993 2, 722, 680 274: 2, 710, 957 276: 2, 701, 874 2, 724, 823 2, 724, 824 279: 2, 711, 528 2, 713, 159 2, 724, 109 2, 726, 380 280: 2, 705, 316 2, 708, 747 282: 2, 699, 540 2, 724, 110 2, 728, 073 293: 2, 699, 541 308: 2, 726, 381 310: 2, 709, 801 2, 720, 641 312: 2, 718, 632 315: 2, 726, 382 316: 2, 723, 391 318: Re. 24, 042 2, 720, 642 321: 2, 707, 780 2, 710, 395 324: 2, 719, 290 2, 728, 906 330: 2, 712, 644 345: 2, 698, 930 2, 701, 875 2, 706, 289 2, 706, 813 2, 709, 802 2, 710, 396 2, 712, 645 2, 716, 230 2, 718, 633 2, 719, 291 2, 727, 228 346: 2, 728, 074 347: 2, 700, 155 2, 703, 879 2, 704, 842 2, 710, 397 2, 713, 680	340—	347: 2, 714, 204 2, 715, 724 2, 717, 994 2, 718, 634 351: Re. 24, 096 353: 2, 709, 803 354: 2, 708, 748 2, 710, 958 355: 2, 721, 318 362: 2, 713, 681 364: 2, 701, 357 366: 2, 718, 635 367: 2, 719, 292 2, 721, 995 368: 2, 717, 995 370: 2, 716, 231 2, 721, 319 378: 2, 699, 542 381: 2, 703, 398 2, 705, 317 2, 705, 318 2, 718, 636 382: 2, 717, 376 2, 719, 967 387: 2, 716, 232 388: 2, 700, 761 2, 707, 781 2, 722, 681 392: 2, 717, 996 393: 2, 717, 997 398: 2, 707, 276 2, 716, 745 2, 719, 968 403: 2, 724, 111 5: 2, 712, 646 2, 717, 998 2, 720, 643 6: 2, 698, 931 6. 5: 2, 720, 644 2, 725, 553 6. 8: 2, 708, 749 7: 2, 699, 543 2, 703, 399 2, 705, 319 2, 715, 725 2, 716, 233 7. 3: 2, 708, 750 2, 711, 532 2, 713, 160 2, 717, 999 7. 4: 2, 698, 932 2, 705, 792 2, 709, 804 2, 716, 746 2, 721, 320 2, 724, 825 7. 7: 2, 702, 382 2, 710, 398 2, 714, 205 2, 717, 377 2, 718, 637 7. 9: 2, 718, 000 2, 715, 219 9: 2, 701, 358 2, 705, 320 2, 711, 529 10: 2, 720, 645 11: Re. 24, 084 2, 698, 933 2, 700, 762 2, 700, 763 2, 702, 899 2, 703, 400 2, 703, 880 2, 704, 843 2, 709, 252 2, 710, 399 2, 712, 647 2, 715, 726 2, 716, 234 2, 716, 235 2, 718, 001 2, 719, 969 2, 720, 646 2, 725, 554 2, 727, 229 2, 728, 075 12: 2, 699, 544 2, 709, 253 2, 710, 959 13: 2, 699, 545 2, 699, 546 2, 700, 156 2, 703, 401 2, 716, 236 2, 720, 647 2, 724, 826 2, 728, 907 14: 2, 714, 206 2, 717, 378 2, 721, 997	343—	14: 2, 724, 827 2, 724, 828 2, 726, 383 2, 726, 384 16: 2, 705, 793 2, 708, 751 2, 709, 805 2, 709, 806 2, 726, 385 2, 711, 530 17. 1: 2, 705, 794 2, 711, 531 2, 725, 555 2, 725, 556 2, 725, 557 2, 726, 386 17. 7: 2, 699, 547 18: 2, 702, 900 2, 703, 881 2, 721, 998 2, 724, 112 100: 2, 701, 876 2, 713, 161 2, 721, 321 2, 724, 113 2, 727, 230 103: 2, 698, 935 2, 713, 162 2, 713, 682 2, 716, 191 2, 724, 829 2, 728, 908 105: 2, 710, 961 2, 716, 747 2, 718, 002 2, 724, 114 2, 724, 830 2, 727, 231 2, 728, 909 106: 2, 711, 533 2, 713, 163 2, 715, 727 2, 717, 379 2, 728, 076 107: 2, 709, 807 112: 2, 700, 157 2, 706, 290 2, 710, 962 2, 724, 831 113: 2, 711, 534 2, 713, 164 2, 717, 380 2, 718, 638 2, 720, 648 2, 726, 387 2, 728, 910 114: 2, 718, 003 117: 2, 724, 115 118: 2, 710, 960 2, 721, 996 175: 2, 704, 362 179: 2, 722, 682 180: 2, 699, 548 200: 2, 709, 254 203: 2, 705, 795 204: 2, 708, 268 206: 2, 705, 321 2, 728, 911 701: 2, 703, 882 702: 2, 702, 347 708: 2, 701, 307 710: 2, 704, 811 723: 2, 702, 345 729: 2, 727, 232 731: 2, 712, 602 733: 2, 700, 733 745: 2, 719, 920 748: 2, 719, 922 749: 2, 715, 184 753: 2, 712, 067 754: 2, 720, 588 2, 720, 589 2, 728, 912 755: 2, 705, 753 2, 721, 940 759: 2, 713, 637 760: 2, 698, 902 761: 2, 713, 121 2, 721, 263 2, 726, 389 765: 2, 699, 502 768: 2, 699, 501 2, 704, 327 771: 2, 703, 841 2, 712, 604 2, 721, 939 2, 724, 774 774: 2, 726, 388 778: 2, 718, 592 780: 2, 705, 754 2, 724, 054 781: 2, 698, 901	343—	781: 2, 702, 858 2, 702, 859 783: 2, 719, 230 785: 2, 727, 233 788: 2, 702, 860 790: 2, 706, 778 791: 2, 724, 052 792: 2, 700, 112 794: 2, 701, 308 2, 705, 283 2, 710, 917 795: 2, 699, 500 2, 700, 105 2, 714, 659 800: 2, 706, 780 801: Re. 23, 943 802: 2, 724, 773 803: Re. 23, 960 2, 719, 919 2, 724, 053 2, 726, 390 808: 2, 710, 916 815: 2, 703, 840 818: 2, 720, 590 826: 2, 706, 779 828: 2, 725, 473 836: 2, 716, 703 840: 2, 703, 842 2, 716, 191 841: 2, 717, 312 853: 2, 700, 104 911: 2, 716, 190 8: 2, 714, 047 2, 727, 801 9: 2, 725, 275 14: 2, 702, 735 18: 2, 718, 448 22: 2, 699, 372 29: 2, 701, 176 2, 721, 109 32: 2, 707, 143 33: 2, 702, 226 2, 708, 615 2, 712, 975 2, 712, 976 2, 714, 547 2, 716, 047 2, 718, 449 2, 726, 918 34: 2, 701, 748 38: 2, 714, 548 49: 2, 721, 110 2, 721, 781 2, 724, 631 50: 2, 706, 671 65: 2, 722, 470 74: 2, 700, 588 2, 710, 786 2, 710, 787 2, 711, 945 2, 714, 048 2, 716, 048 2, 718, 450 2, 719, 773 78: 2, 702, 227 2, 709, 124 2, 726, 130 81: 2, 703, 268 2, 713, 533 82: 2, 715, 054 94: 2, 714, 049 2, 714, 050 101: 2, 704, 700 2, 717, 191 2, 728, 627 105: 2, 703, 269 107: 2, 708, 148 2, 708, 616 2, 709, 636 2, 709, 637 2, 717, 821 2, 718, 451 2, 721, 782 109: 2, 726, 131 110: 2, 726, 919 112: 2, 719, 947 121: 2, 703, 745 136: 2, 706, 672 138: 2, 709, 125 139: 2, 715, 055 2, 717, 192 2, 717, 822 2, 719, 775 2, 723, 897 140: 2, 703, 746 2, 717, 820 2, 727, 802 145: 2, 719, 293 2, 721, 783 146: 2, 701, 177 2, 702, 736
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# 1955

## CLASSIFICATION OF DESIGNS

NOTE.—First number=class, second number=subclass, third number=patent number

D 1— 2: Des. 175,787 Des. 175,998 12: Des. 174,069 Des. 174,187 Des. 174,972 Des. 175,546 Des. 175,694 Des. 176,053	D 2— 3: Des. 173,909 Des. 174,202 Des. 174,237 Des. 175,250 Des. 175,347 Des. 175,443 Des. 176,244	D 3— 2: Des. 174,601 Des. 175,183 Des. 175,350 Des. 175,351 4: Des. 174,412 Des. 174,822 Des. 174,849 Des. 174,943 Des. 174,944 Des. 175,594 Des. 175,789 9: Des. 174,059 Des. 174,684 Des. 174,778 Des. 174,897 Des. 174,925 10: Des. 173,957 Des. 174,306 Des. 175,430 11: Des. 173,917 Des. 174,045 Des. 174,046 Des. 174,047 Des. 174,048 Des. 174,067 Des. 174,068 Des. 175,091 Des. 175,534 Des. 176,143 12: Des. 174,291 Des. 174,790 Des. 174,813 Des. 174,814 13: Des. 173,929 Des. 174,517 Des. 174,882 Des. 174,911 Des. 175,017 Des. 175,061 Des. 175,265 Des. 175,451 Des. 175,635 Des. 175,841 Des. 175,846 Des. 176,046 Des. 176,073 Des. 176,112 17: Des. 173,927 Des. 175,822 Des. 175,880 Des. 176,072 Des. 176,391 19: Des. 174,190 Des. 174,196 Des. 174,217 Des. 174,703 Des. 175,049 Des. 175,466 Des. 176,148 25: Des. 174,163 Des. 174,186 Des. 174,329 Des. 174,330 Des. 174,426 Des. 175,421 Des. 175,492 26: Des. 174,018 Des. 174,019 Des. 174,020 Des. 174,021 Des. 174,082	D 3—26: Des. 174,133 Des. 174,192 Des. 174,484 Des. 174,495 Des. 174,687 Des. 174,712 Des. 174,713 Des. 174,714 Des. 174,715 Des. 174,716 Des. 174,717 Des. 174,718 Des. 174,719 Des. 174,720 Des. 174,752 Des. 174,843 Des. 174,844 Des. 175,533 Des. 175,936 32: Des. 173,994 Des. 174,026 D 4— 2: Des. 174,042 Des. 174,298 Des. 174,403 Des. 174,749 Des. 175,672 3: Des. 173,824 Des. 174,207 Des. 174,366 Des. 174,598 Des. 174,682 Des. 174,945 Des. 174,961 Des. 175,001 Des. 175,128 Des. 175,251 Des. 175,595 Des. 175,599 Des. 175,684 Des. 175,731 Des. 175,786 Des. 175,917 Des. 175,924 Des. 176,096 Des. 176,162 Des. 176,233 Des. 176,246 Des. 176,373 4: Des. 174,786 5: Des. 173,928 Des. 174,213 D 5— 2: Des. 174,808 Des. 174,809 Des. 174,810 Des. 174,811 Des. 174,812 4: Des. 174,017 Des. 175,077 Des. 175,078 Des. 175,877 Des. 175,904 Des. 176,276 Des. 176,333 Des. 174,840 Des. 175,742 D 7— 2: Des. 173,795 Des. 175,165 3: Des. 174,523 4: Des. 173,932 5: Des. 173,893 Des. 174,334 Des. 174,355 Des. 174,494 Des. 174,746 Des. 175,312 Des. 176,384 Des. 176,385 7: Des. 173,924 Des. 173,971 Des. 173,980 Des. 174,063 Des. 174,140 Des. 174,141 Des. 174,142 Des. 174,143 Des. 174,419	D 7— 7: Des. 174,473 Des. 174,475 Des. 174,476 Des. 174,501 Des. 174,551 Des. 174,581 Des. 174,617 Des. 174,663 Des. 174,708 Des. 174,933 Des. 174,938 Des. 174,979 Des. 174,987 Des. 175,134 Des. 175,203 Des. 175,371 Des. 175,500 Des. 175,983 Des. 175,993 Des. 175,999 Des. 176,059 Des. 176,060 Des. 176,066 Des. 176,094 Des. 176,167 Des. 176,230 Des. 176,315 Des. 176,338 Des. 176,339 D 9— 2: Des. 173,852 Des. 173,857 Des. 173,978 Des. 174,155 Des. 174,179 Des. 174,382 Des. 174,395 Des. 174,396 Des. 174,820 Des. 174,841 Des. 174,842 Des. 175,102 Des. 175,142 Des. 175,198 Des. 175,210 Des. 175,227 Des. 175,266 Des. 175,345 Des. 175,352 Des. 175,353 Des. 175,354 Des. 175,355 Des. 175,365 Des. 175,379 Des. 175,495 Des. 175,548 Des. 175,857 Des. 175,894 Des. 175,942 Des. 176,111 Des. 176,156 Des. 176,304 Des. 176,308 Des. 176,340 Des. 176,422 6: Des. 173,875 Des. 174,795 Des. 174,796 Des. 174,807 Des. 175,450 D10— 7: Des. 175,670 Des. 175,928 8: Des. 174,222 Des. 174,547 Des. 174,548 Des. 174,549 Des. 175,452 Des. 175,453 Des. 175,454 Des. 175,473 Des. 175,483 Des. 175,656 Des. 175,751 Des. 175,765 Des. 175,816 Des. 175,851 Des. 175,865	D10— 8: Des. 175,886 Des. 176,019 Des. 176,085 Des. 174,176 Des. 174,177 Des. 175,163 Des. 175,366 Des. 174,781 10: Des. 173,781 D11— 1: Des. 175,556 Des. 175,671 Des. 175,720 Des. 175,744 D12— 2: Des. 174,208 Des. 174,781 Des. 175,158 Des. 175,231 D13— 1: Re. 23,944 Des. 174,006 Des. 174,041 Des. 174,122 Des. 174,175 Des. 174,471 Des. 174,487 Des. 174,520 Des. 174,600 Des. 174,685 Des. 174,892 Des. 175,051 Des. 175,271 Des. 175,467 Des. 175,686 Des. 175,808 Des. 175,815 Des. 176,435 D14— 3: Des. 173,825 Des. 173,901 Des. 174,112 Des. 174,152 Des. 174,193 Des. 174,307 Des. 174,321 Des. 174,389 Des. 174,418 Des. 174,422 Des. 174,583 Des. 174,727 Des. 174,903 Des. 174,922 Des. 174,957 Des. 174,958 Des. 175,069 Des. 175,097 Des. 175,262 Des. 175,391 Des. 175,459 Des. 175,464 Des. 175,583 Des. 175,719 Des. 175,743 Des. 175,748 Des. 175,804 Des. 175,813 Des. 175,845 Des. 175,866 Des. 175,871 Des. 175,888 Des. 175,907 Des. 175,908 Des. 175,909 Des. 175,910 Des. 175,911 Des. 175,938 Des. 175,990 Des. 176,007 Des. 176,040 Des. 176,122 Des. 176,139 Des. 176,166 Des. 176,250 Des. 176,272 Des. 176,277 Des. 176,278 Des. 176,285 Des. 176,286 Des. 176,288 Des. 176,291	D14— 3: Des. 176,334 Des. 176,421 Des. 176,473 6: Des. 173,782 Des. 174,004 Des. 174,138 Des. 174,319 Des. 174,351 Des. 174,399 Des. 174,433 Des. 174,488 Des. 174,659 Des. 174,668 Des. 174,781 Des. 174,935 Des. 174,974 Des. 175,144 Des. 175,191 Des. 175,230 Des. 175,324 Des. 175,343 Des. 175,530 Des. 175,532 Des. 175,553 Des. 175,562 Des. 175,565 Des. 175,574 Des. 175,575 Des. 175,678 Des. 175,696 Des. 175,703 Des. 175,837 Des. 175,897 Des. 175,898 Des. 175,899 Des. 175,900 Des. 175,901 Des. 175,902 Des. 175,984 Des. 176,259 Des. 176,312 Des. 176,332 Des. 176,359 Des. 176,380 Des. 176,386 14: Des. 173,798 18: Des. 174,461 Des. 174,777 Des. 175,162 Des. 175,235 Des. 175,249 Des. 175,529 Des. 175,552 Des. 175,554 Des. 175,566 Des. 175,572 Des. 175,573 Des. 175,576 Des. 174,932 27: Des. 173,802 30: Des. 173,803 Des. 173,808 Des. 173,809 Des. 173,884 Des. 174,529 Des. 175,175 Des. 175,179 Des. 175,180 Des. 175,181 Des. 175,261 Des. 175,517 Des. 175,855 Des. 175,885 Des. 175,925 Des. 176,114 Des. 176,297 Des. 176,298 Des. 176,306 D15— 1: Des. 173,804 Des. 173,828 Des. 173,930 Des. 174,016 Des. 174,211 Des. 174,357 Des. 174,472 Des. 174,496	D15— 1: Des. 174,503 Des. 174,592 Des. 174,623 Des. 174,927 Des. 174,931 Des. 175,048 Des. 175,157 Des. 175,335 Des. 175,337 Des. 175,596 Des. 175,683 Des. 175,802 Des. 175,833 Des. 175,986 Des. 175,994 Des. 176,045 Des. 176,238 Des. 176,433 6: Des. 173,881 8: Des. 173,902 Des. 174,212 Des. 174,616 Des. 174,649 Des. 174,695 Des. 175,016 Des. 175,052 Des. 175,781 Des. 176,183 11: Des. 174,070 Des. 174,341 Des. 174,584 Des. 174,688 Des. 174,827 Des. 174,828 Des. 174,900 Des. 174,928 Des. 174,929 Des. 174,960 Des. 175,040 Des. 175,106 Des. 175,131 Des. 175,186 Des. 175,624 Des. 175,701 Des. 176,142 D16— 2: Des. 173,925 Des. 174,317 Des. 174,465 Des. 174,884 Des. 175,020 Des. 175,323 Des. 175,341 Des. 176,460 D17— 1: Des. 173,878 Des. 173,965 Des. 174,103 Des. 174,833 Des. 175,037 Des. 175,438 Des. 175,551 Des. 175,685 Des. 175,704 Des. 175,780 Des. 176,055 Des. 176,056 Des. 176,079 Des. 176,242 Des. 176,245 Des. 176,378 Des. 176,463 2: Des. 173,806 Des. 173,873 Des. 174,340 Des. 175,024 Des. 175,785 Des. 176,154 3: Des. 175,710 Des. 175,981 7: Des. 175,228 8: Des. 174,301 9: Des. 175,437 12: Des. 173,820 Des. 175,240 14: Des. 176,477 D18— 2: Des. 175,319 Des. 175,392
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D20— 2: Des. 173,845 Des. 174,038 Des. 174,054 Des. 174,114 Des. 174,115 Des. 174,194 Des. 175,171 Des. 175,309 Des. 175,689 4: Des. 174,304 Des. 175,065 Des. 175,083 Des. 175,164 Des. 175,178 Des. 175,741 Des. 175,843 D21— 6: Des. 173,810 Des. 174,130 Des. 174,131 Des. 174,971 Des. 175,038 Des. 175,772 Des. 175,773 Des. 175,774 Des. 176,050 Des. 176,150 Des. 176,232 Des. 176,468 D22— 2: Des. 173,862 Des. 174,858 Des. 175,311 Des. 175,557 3: Des. 173,785 Des. 173,814 Des. 174,036 Des. 174,037 Des. 174,120 Des. 174,209 Des. 174,251 Des. 174,747 Des. 174,918 Des. 175,197 Des. 175,248 Des. 175,363 Des. 175,448 Des. 175,602 Des. 175,853 Des. 175,896 Des. 176,406 4: Des. 174,993 5: Des. 174,707 Des. 175,141 Des. 175,578 Des. 176,169 D24— 1: Des. 175,579 Des. 176,090 D25— 1: Des. 174,188 Des. 174,233 Des. 174,374 Des. 175,390 Des. 175,581 Des. 176,358 D26— 1: Des. 173,882 Des. 174,104 Des. 174,241 Des. 175,043 Des. 175,577 Des. 176,009 Des. 176,044 Des. 176,191 Des. 176,383 Des. 176,458 5: Des. 173,999 Des. 174,005 Des. 174,043 Des. 174,044 Des. 174,148 Des. 174,491 Des. 174,797 Des. 175,563 Des. 175,766 Des. 175,792 Des. 175,797 Des. 175,893 6: Des. 175,331 Des. 175,420 Des. 176,105 7: Des. 174,230 Des. 174,930 Des. 176,464 9: Des. 174,060 10: Des. 173,822 Des. 174,001 11: Des. 176,152 13: Des. 173,885 Des. 173,899 Des. 174,525 Des. 174,697 Des. 174,782 Des. 176,039 Des. 176,264 14: Des. 173,915 Des. 174,003 Des. 174,057 Des. 174,065	D26—14: Des. 174,098 Des. 174,159 Des. 174,160 Des. 174,174 Des. 174,235 Des. 174,406 Des. 174,531 Des. 174,602 Des. 174,701 Des. 174,704 Des. 174,937 Des. 174,989 Des. 174,992 Des. 175,073 Des. 175,207 Des. 175,423 Des. 175,440 Des. 175,441 Des. 175,489 Des. 175,490 Des. 175,523 Des. 175,628 Des. 175,664 Des. 175,733 Des. 175,759 Des. 175,834 Des. 175,906 Des. 175,947 Des. 175,948 Des. 175,949 Des. 175,950 Des. 175,951 Des. 176,069 Des. 176,161 Des. 176,192 Des. 176,254 Des. 176,368 D28— 1: Des. 173,833 Des. 174,149 Des. 174,787 D29— 1: Des. 173,870 Des. 174,378 Des. 174,483 Des. 174,665 Des. 174,691 Des. 176,054 Des. 176,448 2: Des. 174,775 Des. 174,815 Des. 175,504 Des. 173,975 Des. 174,377 Des. 174,409 Des. 174,498 Des. 175,296 Des. 175,519 23: Des. 173,860 Des. 173,981 Des. 174,226 Des. 174,338 Des. 174,339 Des. 174,413 Des. 174,590 Des. 174,619 Des. 174,953 Des. 175,123 Des. 175,137 Des. 175,870 Des. 176,171 Des. 176,438 28: Des. 174,195 Des. 174,385 Des. 176,108 D30— 1: Des. 174,139 Des. 174,580 Des. 175,133 Des. 175,292 Des. 175,677 3: Des. 175,627 4: Des. 173,853 Des. 174,220 Des. 174,259 Des. 174,344 Des. 174,367 Des. 174,420 Des. 174,492 Des. 174,680 Des. 175,099 Des. 175,291 Des. 175,374 Des. 175,545 Des. 175,682 Des. 175,784 Des. 175,788 Des. 175,801 Des. 175,905 Des. 175,926 Des. 176,065 Des. 176,106 Des. 176,311 Des. 176,408 Des. 176,443 D33— 1: Des. 173,835 2: Des. 174,647 Des. 175,313	D33— 3: Des. 174,489 Des. 174,641 Des. 174,642 Des. 174,785 Des. 174,963 Des. 175,103 Des. 175,125 Des. 175,325 Des. 175,434 Des. 175,516 Des. 175,826 Des. 176,038 Des. 176,374 Des. 176,387 6: Des. 173,834 Des. 176,404 Des. 176,411 7: Des. 174,469 Des. 174,923 Des. 175,201 Des. 175,790 Des. 175,836 Des. 176,412 8: Des. 173,863 Des. 174,739 Des. 174,743 Des. 174,952 Des. 175,027 Des. 175,139 Des. 175,300 Des. 175,456 Des. 175,580 Des. 175,937 Des. 175,991 9: Des. 176,253 10: Des. 174,490 Des. 175,997 11: Des. 176,118 12: Des. 175,515 14: Des. 173,904 Des. 173,906 Des. 173,910 Des. 174,029 Des. 174,030 Des. 174,189 Des. 174,387 Des. 174,779 Des. 174,780 Des. 175,110 Des. 175,195 Des. 175,471 Des. 175,543 Des. 175,651 Des. 176,036 Des. 176,119 Des. 176,172 Des. 176,176 Des. 176,185 Des. 176,237 Des. 176,296 Des. 174,700 17: Des. 173,920 19: Des. 173,921 Des. 173,922 Des. 173,923 Des. 174,243 Des. 175,327 Des. 175,470 Des. 175,570 Des. 175,791 Des. 175,831 Des. 175,868 Des. 175,869 Des. 176,075 Des. 176,289 Des. 176,459 Des. 176,462 D34— 2: Des. 173,967 Des. 173,968 Des. 173,969 Des. 174,850 Des. 174,996 Des. 175,475 Des. 175,569 Des. 175,662 Des. 176,393 Des. 176,475 3: Des. 174,550 4: Des. 173,966 Des. 174,184 Des. 174,185 Des. 174,588 Des. 174,881 Des. 174,916 Des. 175,211 Des. 175,212 Des. 175,402 Des. 176,047 Des. 176,186 5: Des. 173,778 Des. 173,800 Des. 173,995 Des. 174,032 Des. 174,035 Des. 174,039	D34— 5: Des. 174,061 Des. 174,100 Des. 174,173 Des. 174,183 Des. 174,199 Des. 174,225 Des. 174,253 Des. 174,290 Des. 174,295 Des. 174,322 Des. 174,326 Des. 174,327 Des. 174,346 Des. 174,347 Des. 174,360 Des. 174,430 Des. 174,459 Des. 174,507 Des. 174,524 Des. 174,738 Des. 174,817 Des. 174,847 Des. 174,910 Des. 174,965 Des. 174,999 Des. 175,029 Des. 175,213 Des. 175,260 Des. 175,339 Des. 175,340 Des. 175,398 Des. 175,418 Des. 175,419 Des. 175,422 Des. 175,463 Des. 175,468 Des. 175,502 Des. 175,623 Des. 175,642 Des. 175,644 Des. 175,645 Des. 175,646 Des. 175,740 Des. 175,920 Des. 175,921 Des. 175,923 Des. 175,934 Des. 176,008 Des. 176,029 Des. 176,146 Des. 176,248 Des. 176,335 Des. 176,401 Des. 176,445 Des. 176,446 Des. 176,467 Des. 176,470 Des. 176,474 11: Des. 173,898 Des. 174,423 Des. 174,906 Des. 175,238 Des. 175,806 Des. 176,043 Des. 176,104 13: Des. 174,384 Des. 175,823 Des. 175,903 Des. 176,405 14: Des. 176,415 15: Des. 173,816 Des. 173,851 Des. 173,940 Des. 173,941 Des. 173,964 Des. 173,982 Des. 174,113 Des. 174,121 Des. 174,127 Des. 174,136 Des. 174,197 Des. 174,198 Des. 174,231 Des. 174,234 Des. 174,236 Des. 174,349 Des. 174,350 Des. 174,414 Des. 174,467 Des. 174,509 Des. 174,730 Des. 174,731 Des. 174,772 Des. 174,794 Des. 174,798 Des. 174,950 Des. 174,951 Des. 174,954 Des. 175,022 Des. 175,194 Des. 175,205 Des. 175,333 Des. 175,592 Des. 175,643 Des. 175,650	D34—15: Des. 175,653 Des. 175,717 Des. 175,718 Des. 175,745 Des. 175,746 Des. 175,912 Des. 176,016 Des. 176,037 Des. 176,049 Des. 176,068 Des. 176,086 Des. 176,115 Des. 176,155 Des. 176,157 Des. 176,163 Des. 176,255 Des. 176,361 Des. 176,375 Des. 176,392 Des. 176,417 Des. 176,430 Des. 176,461 Des. 176,485 Des. 176,486 D35— 2: Des. 173,839 Des. 173,972 Des. 174,062 Des. 174,107 Des. 174,651 Des. 175,849 3: Des. 173,865 Des. 173,973 Des. 174,049 Des. 174,247 Des. 174,358 Des. 174,410 Des. 174,411 Des. 174,421 Des. 174,908 Des. 174,909 Des. 175,435 Des. 175,560 Des. 175,597 Des. 175,698 Des. 176,145 Des. 176,220 Des. 176,442 D36— 2: Des. 175,289 8: Des. 175,708 Des. 175,714 D37— 1: Des. 173,831 Des. 174,343 Des. 174,609 Des. 175,067 Des. 175,396 Des. 176,001 D38— 1: Des. 175,316 8: Des. 176,228 D40— 1: Des. 173,976 Des. 174,375 Des. 174,586 Des. 174,690 Des. 174,788 Des. 174,898 Des. 174,955 Des. 174,956 Des. 175,032 Des. 175,540 Des. 175,629 Des. 176,014 Des. 176,120 Des. 176,179 Des. 176,336 D41— 1: Des. 173,796 Des. 173,821 Des. 174,203 Des. 174,835 Des. 176,116 Des. 176,247 D42— 1: Des. 174,012 Des. 174,013 7: Des. 174,080 Des. 174,170 Des. 174,214 Des. 174,244 Des. 174,379 Des. 174,464 Des. 174,499 Des. 174,615 Des. 174,742 Des. 174,805 Des. 174,836 Des. 174,891 Des. 174,895 Des. 174,986 Des. 175,042 Des. 175,242 Des. 175,293 Des. 175,294 Des. 175,305 Des. 175,317 Des. 175,458 Des. 175,501 Des. 175,584 Des. 175,665	D42— 7: Des. 176,020 Des. 176,081 Des. 176,177 Des. 176,178 Des. 176,184 Des. 176,407 Des. 176,465 10: Des. 173,807 D44— 1: Des. 173,897 Des. 173,897 Des. 173,905 Des. 174,028 Des. 174,117 Des. 174,161 Des. 174,308 Des. 174,504 Des. 174,506 Des. 174,512 Des. 174,607 Des. 175,047 Des. 175,202 Des. 175,263 Des. 175,268 Des. 175,338 Des. 175,385 Des. 175,521 Des. 175,713 Des. 175,827 Des. 175,835 Des. 175,872 Des. 175,978 Des. 175,979 Des. 175,980 Des. 176,063 Des. 176,091 Des. 176,328 Des. 176,379 5: Des. 174,040 6: Des. 175,189 7: Des. 176,103 9: Des. 174,365 Des. 174,737 Des. 175,028 10: Des. 173,944 Des. 174,050 Des. 174,182 Des. 174,481 Des. 174,511 Des. 174,546 Des. 174,831 Des. 174,832 Des. 174,926 Des. 174,978 Des. 175,004 Des. 175,241 Des. 175,377 Des. 175,426 Des. 175,427 Des. 175,498 Des. 175,527 Des. 175,738 Des. 176,035 Des. 176,097 Des. 176,098 Des. 176,099 Des. 176,100 Des. 176,101 Des. 176,102 15: Des. 173,815 Des. 173,843 Des. 173,847 Des. 173,871 Des. 173,872 Des. 174,051 Des. 174,218 Des. 174,309 Des. 174,310 Des. 174,368 Des. 174,371 Des. 174,372 Des. 174,463 Des. 174,470 Des. 174,510 Des. 174,596 Des. 174,605 Des. 174,606 Des. 174,669 Des. 174,686 Des. 174,732 Des. 174,830 Des. 174,995 Des. 175,072 Des. 175,132 Des. 175,167 Des. 175,428 Des. 175,491 Des. 175,499 Des. 175,702 Des. 175,752 Des. 175,753 Des. 175,987 Des. 176,031 Des. 176,057 Des. 176,058 Des. 176,123 Des. 176,124
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D44—15: Des. 176,125 Des. 176,126 Des. 176,127 Des. 176,128 Des. 176,129 Des. 176,130 Des. 176,131 Des. 176,132 Des. 176,133 Des. 176,134 Des. 176,135 Des. 176,136 Des. 176,252 Des. 176,262 Des. 176,489 21: Des. 174,071 Des. 174,370 Des. 174,793 Des. 175,086 Des. 175,176 22: Des. 174,825 Des. 175,254 24: Des. 173,855 Des. 174,014 Des. 174,959 25: Des. 175,856 26: Des. 174,297 Des. 174,369 Des. 174,468 Des. 174,980 Des. 176,032 Des. 176,041 29: Des. 173,789 Des. 173,890 Des. 174,023 Des. 174,073 Des. 174,146 Des. 174,336 Des. 174,670 Des. 174,748 Des. 174,774 Des. 174,857 Des. 174,913 Des. 174,917 Des. 175,013 Des. 175,074 Des. 175,161 Des. 175,245 Des. 175,247 Des. 175,304 Des. 175,362 Des. 175,568 Des. 176,061 Des. 176,158 Des. 176,160 Des. 176,235 Des. 176,251 30: Des. 174,479 D45—1: Des. 174,137 Des. 174,789 4: Des. 173,854 Des. 173,886 Des. 173,934 Des. 173,951 Des. 173,955 Des. 174,229 Des. 174,242 Des. 174,278 Des. 174,280 Des. 174,281 Des. 174,282 Des. 174,283 Des. 174,284 Des. 174,285 Des. 174,328 Des. 174,391 Des. 174,437 Des. 174,440 Des. 174,567 Des. 174,572 Des. 174,575 Des. 174,578 Des. 174,629 Des. 174,631 Des. 174,636 Des. 174,692 Des. 174,734 Des. 174,735 Des. 174,736 Des. 174,767 Des. 174,816 Des. 174,853 Des. 174,869 Des. 174,870 Des. 174,871 Des. 174,872 Des. 174,873 Des. 174,874 Des. 174,875 Des. 174,876 Des. 174,877 Des. 174,878 Des. 175,079 Des. 175,119 Des. 175,508	D45—4: Des. 175,509 Des. 175,607 Des. 175,612 Des. 175,615 Des. 175,630 Des. 175,692 Des. 175,693 Des. 176,301 9: Des. 173,985 Des. 173,986 Des. 173,987 Des. 173,993 Des. 173,997 Des. 174,090 Des. 174,348 Des. 174,425 Des. 174,457 Des. 174,502 Des. 174,563 Des. 174,569 Des. 174,571 Des. 174,628 Des. 174,634 Des. 174,635 Des. 174,639 Des. 174,648 Des. 174,650 Des. 174,740 Des. 174,756 Des. 174,757 Des. 174,758 Des. 174,759 Des. 174,760 Des. 174,761 Des. 174,763 Des. 174,766 Des. 174,768 Des. 174,770 Des. 174,991 Des. 175,409 Des. 175,412 Des. 175,413 Des. 175,416 Des. 175,417 Des. 175,606 Des. 175,611 Des. 175,613 Des. 175,618 Des. 175,619 Des. 175,729 Des. 175,730 Des. 175,779 Des. 175,867 Des. 175,954 Des. 175,958 Des. 176,071 Des. 176,198 Des. 176,200 Des. 176,202 Des. 176,209 Des. 176,211 Des. 176,217 Des. 176,219 Des. 176,341 Des. 176,343 Des. 176,344 Des. 176,345 Des. 176,346 Des. 176,349 Des. 176,354 Des. 176,355 Des. 176,356 Des. 176,416 Des. 176,428 10: Des. 174,589 Des. 175,668 Des. 176,265 Des. 176,266 Des. 176,267 Des. 176,268 Des. 176,269 16: Des. 173,947 Des. 173,948 Des. 173,949 Des. 173,950 Des. 173,952 Des. 173,953 Des. 173,954 Des. 173,984 Des. 173,988 Des. 173,989 Des. 173,990 Des. 173,991 Des. 173,992 Des. 174,024 Des. 174,126 Des. 174,260 Des. 174,261 Des. 174,262 Des. 174,263 Des. 174,264 Des. 174,265 Des. 174,266 Des. 174,267 Des. 174,269	D45—16: Des. 174,270 Des. 174,271 Des. 174,272 Des. 174,273 Des. 174,274 Des. 174,275 Des. 174,276 Des. 174,277 Des. 174,392 Des. 174,434 Des. 174,435 Des. 174,436 Des. 174,438 Des. 174,439 Des. 174,441 Des. 174,442 Des. 174,443 Des. 174,444 Des. 174,445 Des. 174,446 Des. 174,447 Des. 174,448 Des. 174,449 Des. 174,450 Des. 174,451 Des. 174,452 Des. 174,453 Des. 174,556 Des. 174,559 Des. 174,561 Des. 174,564 Des. 174,568 Des. 174,573 Des. 174,577 Des. 174,579 Des. 174,632 Des. 174,637 Des. 174,693 Des. 174,762 Des. 174,764 Des. 174,769 Des. 175,113 Des. 175,114 Des. 175,115 Des. 175,116 Des. 175,117 Des. 175,118 Des. 175,120 Des. 175,121 Des. 175,334 Des. 175,404 Des. 175,405 Des. 175,510 Des. 175,603 Des. 175,608 Des. 175,616 Des. 175,622 Des. 175,727 Des. 175,775 Des. 175,776 Des. 175,777 Des. 175,838 Des. 175,839 Des. 175,874 Des. 175,875 Des. 175,876 Des. 175,952 Des. 175,953 Des. 175,959 Des. 175,960 Des. 175,961 Des. 175,962 Des. 175,963 Des. 175,965 Des. 176,070 Des. 176,147 Des. 176,193 Des. 176,195 Des. 176,197 Des. 176,201 Des. 176,203 Des. 176,204 Des. 176,206 Des. 176,207 Des. 176,210 Des. 176,212 Des. 176,213 Des. 176,214 Des. 176,216 Des. 176,218 Des. 176,299 Des. 176,347 Des. 176,348 Des. 176,350 Des. 176,351 17: Des. 174,102 Des. 174,388 Des. 175,303 Des. 175,964 Des. 176,194 Des. 176,196 Des. 176,293 19: Des. 174,084 Des. 174,085 Des. 174,086	D45—19: Des. 174,087 Des. 174,088 Des. 174,091 Des. 174,092 Des. 174,268 Des. 174,279 Des. 174,286 Des. 174,557 Des. 174,558 Des. 174,560 Des. 174,562 Des. 174,565 Des. 174,566 Des. 174,570 Des. 174,574 Des. 174,576 Des. 174,626 Des. 174,627 Des. 174,630 Des. 174,633 Des. 174,638 Des. 174,694 Des. 174,725 Des. 174,755 Des. 174,765 Des. 174,860 Des. 174,861 Des. 174,862 Des. 174,863 Des. 174,864 Des. 174,865 Des. 174,866 Des. 174,867 Des. 174,868 Des. 175,080 Des. 175,081 Des. 175,082 Des. 175,406 Des. 175,407 Des. 175,408 Des. 175,410 Des. 175,411 Des. 175,414 Des. 175,415 Des. 175,507 Des. 175,604 Des. 175,605 Des. 175,609 Des. 175,610 Des. 175,614 Des. 175,617 Des. 175,620 Des. 175,621 Des. 175,724 Des. 175,725 Des. 175,726 Des. 175,728 Des. 175,757 Des. 175,778 Des. 175,882 Des. 175,955 Des. 175,956 Des. 175,957 Des. 175,966 Des. 175,967 Des. 175,969 Des. 176,199 Des. 176,205 Des. 176,208 Des. 176,215 Des. 176,342 Des. 176,352 Des. 176,353 D47—2: Des. 174,599 6: Des. 175,192 Des. 175,277 Des. 175,805 7: Des. 173,888 Des. 174,135 Des. 174,513 Des. 175,098 Des. 175,794 Des. 176,170 D48—2: Des. 173,946 Des. 175,087 Des. 175,246 Des. 175,658 Des. 175,884 Des. 176,165 Des. 176,174 Des. 176,175 4: Des. 173,943 Des. 174,698 Des. 174,888 Des. 175,007 Des. 175,700 Des. 176,067 Des. 176,227 7: Des. 174,402 Des. 175,357 Des. 175,974 16: Des. 174,219 Des. 174,221 Des. 174,318 Des. 174,325	D48—16: Des. 174,733 Des. 174,804 Des. 174,837 Des. 176,273 Des. 176,274 20: Des. 173,793 Des. 173,794 Des. 173,836 Des. 173,837 Des. 173,841 Des. 173,895 Des. 173,935 Des. 173,936 Des. 173,942 Des. 174,101 Des. 174,105 Des. 174,108 Des. 174,169 Des. 174,215 Des. 174,311 Des. 174,398 Des. 174,474 Des. 174,508 Des. 174,538 Des. 174,539 Des. 174,582 Des. 174,597 Des. 174,608 Des. 174,618 Des. 174,657 Des. 174,658 Des. 174,676 Des. 174,683 Des. 174,799 Des. 174,839 Des. 174,852 Des. 174,939 Des. 174,940 Des. 174,946 Des. 174,981 Des. 174,984 Des. 175,021 Des. 175,124 Des. 175,126 Des. 175,151 Des. 175,152 Des. 175,154 Des. 175,155 Des. 175,208 Des. 175,234 Des. 175,359 Des. 175,386 Des. 175,403 Des. 175,432 Des. 175,461 Des. 175,462 Des. 175,472 Des. 175,478 Des. 175,494 Des. 175,528 Des. 175,587 Des. 175,588 Des. 175,589 Des. 175,590 Des. 175,631 Des. 175,655 Des. 175,690 Des. 175,723 Des. 176,062 Des. 176,082 Des. 176,290 Des. 176,314 Des. 176,413 Des. 176,476 23: Des. 174,975 Des. 175,053 Des. 175,188 Des. 175,431 Des. 175,433 Des. 175,800 Des. 176,042 Des. 176,367 24: Des. 173,826 Des. 173,842 Des. 173,937 Des. 174,079 Des. 174,287 Des. 174,288 Des. 174,289 Des. 175,258 Des. 175,318 Des. 175,511 Des. 175,512 Des. 175,513 Des. 175,514 Des. 175,626 Des. 175,933 Des. 175,940 Des. 176,381 Des. 176,465 27: Des. 174,393 Des. 174,806 Des. 175,085 Des. 175,315 Des. 175,364	D48—27: Des. 175,564 Des. 175,895 29: Des. 174,699 31: Des. 173,956 Des. 174,883 Des. 176,249 32: Des. 174,776 Des. 174,907 Des. 175,018 Des. 175,172 Des. 175,393 Des. 175,681 Des. 175,695 Des. 175,739 Des. 176,033 Des. 176,034 D49—1: Des. 173,838 Des. 174,022 Des. 174,256 Des. 174,478 Des. 174,702 Des. 174,969 Des. 174,970 Des. 175,019 Des. 175,850 Des. 175,939 Des. 176,436 6: Des. 174,593 Des. 175,982 D50—3: Des. 173,850 4: Des. 174,074 Des. 174,664 Des. 175,879 Des. 176,159 5: Des. 173,844 Des. 176,074 6: Des. 173,848 Des. 173,849 Des. 175,143 Des. 176,279 Des. 176,280 Des. 176,281 Des. 176,282 Des. 176,283 7: Des. 174,171 Des. 175,705 Des. 175,844 Des. 176,431 Des. 176,437 D51—1: Des. 175,400 D52—1: Des. 174,027 Des. 174,095 Des. 174,106 Des. 174,252 Des. 174,296 Des. 174,363 Des. 174,544 Des. 174,545 Des. 175,039 Des. 175,284 Des. 175,348 Des. 175,591 Des. 175,971 Des. 175,992 Des. 176,188 Des. 176,400 Des. 176,409 Des. 176,441 Des. 176,453 Des. 176,482 Des. 176,484 2: Des. 174,519 Des. 175,005 Des. 175,057 Des. 175,361 Des. 175,559 Des. 175,652 Des. 175,697 Des. 175,732 Des. 175,862 Des. 175,989 Des. 176,319 Des. 176,432 3: Des. 173,829 Des. 174,007 Des. 174,315 Des. 174,324 Des. 174,485 Des. 174,587 Des. 174,625 Des. 175,225 Des. 175,314 Des. 175,349 Des. 175,369 Des. 175,812 Des. 175,887 Des. 176,187 Des. 176,256 Des. 176,479 4: Des. 175,190 Des. 174,052 Des. 175,064 Des. 175,177 Des. 175,206 Des. 175,375
--	--	--	--	--	--



D52— 7: Des. 175,484 Des. 175,535 Des. 175,539 Des. 175,654 Des. 175,673 Des. 175,675 Des. 175,679 Des. 175,854 10: Des. 173,913 Des. 174,846 Des. 174,905 Des. 175,041 Des. 175,734 Des. 175,750 Des. 175,810 Des. 175,941 12: Des. 175,754	D56— 1: Des. 173,345 Des. 174,401 Des. 174,829 Des. 175,209 Des. 175,224 Des. 175,328 Des. 175,332 Des. 175,425 Des. 175,525 Des. 175,760 Des. 175,803 Des. 175,972 Des. 176,284 Des. 176,478 2: Des. 174,331 Des. 174,332 Des. 174,333 4: Des. 173,811 Des. 173,961 Des. 173,962 Des. 173,963 Des. 173,998 Des. 174,034 Des. 174,053 Des. 174,056 Des. 174,072 Des. 174,075 Des. 174,076 Des. 174,077 Des. 174,093 Des. 174,109 Des. 174,216 Des. 174,652 Des. 174,653 Des. 174,654 Des. 174,655 Des. 174,656 Des. 174,709 Des. 174,964 Des. 174,997 Des. 175,002 Des. 175,003 Des. 175,129 Des. 175,273 Des. 175,290 Des. 175,382 Des. 175,641 Des. 175,711 Des. 175,916 Des. 176,023 Des. 176,024 Des. 176,025 Des. 176,229 Des. 176,337 Des. 176,480 Des. 176,481 9: Des. 174,477 Des. 175,076 Des. 176,423 Des. 176,424 Des. 176,425 Des. 176,426 Des. 176,427	D57— 7: Des. 175,401 D58— 2: Des. 174,058 Des. 174,359 Des. 174,920 Des. 175,798 3: Des. 173,780 4: Des. 175,457 Des. 175,767 Des. 175,943 Des. 175,944 Des. 176,015 5: Des. 174,845 Des. 176,455 6: Des. 173,879 Des. 173,880 Des. 175,014 Des. 175,090 Des. 175,182 Des. 175,196 Des. 175,306 Des. 175,333 Des. 175,447 Des. 175,676 Des. 176,225 8: Des. 174,591 Des. 174,646 Des. 175,145 Des. 175,598 Des. 175,649 Des. 175,858 Des. 176,181 Des. 176,226 Des. 176,440 Des. 176,487 9: Des. 174,031 Des. 174,541 Des. 174,942 Des. 175,832 Des. 175,848 10: Des. 175,062 Des. 175,932 11: Des. 173,819 Des. 174,353 Des. 174,362 Des. 174,886 Des. 176,012 Des. 176,052 Des. 176,287 12: Des. 173,832 Des. 173,869 Des. 174,206 Des. 174,300 Des. 174,303 Des. 174,352 Des. 174,594 Des. 174,914 Des. 174,915 Des. 174,941 Des. 175,299 Des. 175,307 Des. 175,541 Des. 176,030 Des. 176,371 12. 6: Des. 174,497 Des. 174,542 Des. 175,763 13: Des. 175,722 17: Des. 173,933 Des. 174,611 Des. 175,084 Des. 175,476 Des. 176,022 Des. 176,083 25: Des. 173,861 Des. 175,758 26: Des. 174,205 Des. 174,432 Des. 174,552 Des. 174,855 Des. 174,936 Des. 175,095 Des. 175,127 Des. 175,138 Des. 175,159 Des. 175,257 Des. 175,288 Des. 175,863 Des. 175,946 Des. 176,109 Des. 176,189 Des. 176,402 Des. 176,439 Des. 176,454	D61— 1: Des. 174,248 Des. 174,429 Des. 174,536 Des. 174,666 Des. 174,681 Des. 174,696 Des. 174,773 Des. 174,800 Des. 174,802 Des. 174,880 Des. 174,887 Des. 174,902 Des. 174,973 Des. 174,982 Des. 175,033 Des. 175,035 Des. 175,036 Des. 175,046 Des. 175,058 Des. 175,059 Des. 175,130 Des. 175,140 Des. 175,156 Des. 175,215 Des. 175,226 Des. 175,298 Des. 175,536 Des. 175,542 Des. 175,571 Des. 175,593 Des. 175,666 Des. 175,699 Des. 175,706 Des. 175,811 Des. 175,891 Des. 176,113 Des. 176,138 Des. 176,300 Des. 176,305 Des. 176,471 D62— 2: Des. 175,320 Des. 176,414 4: Des. 173,790 Des. 173,791 Des. 173,792 Des. 174,118 Des. 174,165 Des. 174,381 Des. 174,728 Des. 174,803 Des. 174,947 Des. 175,444 Des. 175,445 Des. 175,518 Des. 175,520 Des. 175,625 Des. 175,657 Des. 176,141 D63— 1: Des. 176,488 D64— 10: Des. 175,310 11: Des. 173,787 Des. 173,788 Des. 173,790 Des. 174,096 Des. 174,405 Des. 174,493 Des. 174,904 Des. 175,168 Des. 175,173 Des. 175,174 Des. 175,356 Des. 175,496 Des. 175,782 Des. 175,842 Des. 176,026 Des. 176,027 Des. 176,121 Des. 176,329 Des. 176,357 12: Des. 173,823 Des. 175,055 Des. 175,915 17: Des. 175,930 Des. 175,970 D65— 1: Des. 173,856 Des. 174,123 Des. 174,124 Des. 174,134 Des. 174,480 Des. 174,901 Des. 175,054 Des. 175,660 Des. 176,261 D66— 1: Des. 175,793 Des. 175,840 D67— 3: Des. 173,797 Des. 173,938 Des. 174,364 Des. 174,610 Des. 174,966 Des. 175,010 Des. 175,011 Des. 175,264 Des. 175,647 4: Des. 175,918 D68— 1: Des. 175,561	D69— 1: Des. 174,949 D70— 1: Des. 174,132 Des. 174,232 Des. 175,506 Des. 176,636 Des. 175,637 Des. 175,688 Des. 174,466 Des. 175,639 Des. 175,973 Des. 176,918 Des. 176,330 Des. 176,331 D71— 1: Des. 173,779 Des. 173,894 Des. 174,254 Des. 174,390 Des. 174,404 Des. 175,058 Des. 174,585 Des. 174,678 Des. 174,679 Des. 174,851 Des. 174,879 Des. 174,948 Des. 175,088 Des. 175,108 Des. 175,270 Des. 175,342 Des. 175,360 Des. 175,397 Des. 175,424 Des. 175,522 Des. 175,669 Des. 175,764 Des. 175,809 Des. 175,852 Des. 175,873 Des. 175,881 Des. 175,892 Des. 175,913 Des. 176,028 Des. 176,110 Des. 176,182 Des. 176,241 Des. 176,377 D72— 1: Des. 173,840 Des. 174,000 Des. 174,078 Des. 174,458 Des. 174,792 Des. 174,834 Des. 175,006 Des. 175,060 Des. 175,474 Des. 175,657 Des. 176,017 Des. 176,153 Des. 176,271 D73— 1: Des. 174,228 D74— 1: Des. 173,818 Des. 173,958 Des. 173,959 Des. 173,960 Des. 174,008 Des. 174,015 Des. 174,376 Des. 174,416 Des. 174,417 Des. 174,462 Des. 175,000 Des. 175,031 Des. 175,066 Des. 175,094 Des. 175,170 Des. 175,505 Des. 175,531 Des. 175,761 Des. 175,762 Des. 175,859 Des. 175,860 Des. 175,861 Des. 175,995 Des. 176,048 Des. 176,292 Des. 176,360 Des. 176,366 5: Des. 174,191 Des. 174,227 Des. 174,516 Des. 174,521 Des. 175,274 8: Des. 174,889 9: Des. 174,164 Des. 174,255 Des. 174,754 Des. 175,449 Des. 176,313 10: Des. 175,799 17: Des. 173,918 Des. 173,926 Des. 174,667 Des. 174,821 Des. 175,330 Des. 175,864	D74— 17: Des. 176,469 21: Des. 173,896 Des. 173,911 Des. 174,994 Des. 175,399 24: Des. 174,249 Des. 174,250 Des. 174,486 D77— 1: Des. 174,145 Des. 174,976 Des. 175,136 D78— 1: Des. 175,395 Des. 175,538 Des. 176,483 D79— 2: Des. 173,857 Des. 173,858 D80— 1: Des. 174,455 Des. 174,456 Des. 174,644 Des. 174,967 Des. 174,968 Des. 175,026 Des. 175,436 Des. 175,481 Des. 176,303 Des. 176,420 Des. 176,452 5: Des. 173,900 Des. 174,672 Des. 175,122 Des. 175,387 Des. 176,164 8: Des. 174,002 Des. 174,064 Des. 174,099 Des. 174,166 Des. 174,200 Des. 174,257 Des. 174,518 Des. 175,169 Des. 176,087 Des. 176,239 9: Des. 173,783 Des. 173,908 Des. 174,083 Des. 174,172 Des. 174,258 Des. 174,294 Des. 174,299 Des. 174,302 Des. 174,354 Des. 174,356 Des. 174,407 Des. 174,408 Des. 174,500 Des. 174,528 Des. 174,553 Des. 174,643 Des. 174,645 Des. 174,673 Des. 174,689 Des. 174,826 Des. 175,030 Des. 175,107 Des. 175,160 Des. 175,252 Des. 175,439 Des. 175,442 Des. 175,479 Des. 175,482 Des. 175,715 Des. 175,716 Des. 175,749 Des. 175,914 Des. 176,021 Des. 176,051 Des. 176,240 Des. 176,418 10: Des. 173,883 Des. 173,889 Des. 173,916 Des. 174,532 Des. 174,640 Des. 174,753 Des. 174,771 Des. 174,899 Des. 174,912 Des. 174,962 Des. 175,034 11: Des. 173,903 Des. 173,977 Des. 174,201 Des. 174,380 Des. 174,791 Des. 174,824 Des. 175,276 Des. 176,004 Des. 176,140 Des. 176,466 D81— 1: Des. 175,497 2: Des. 174,533 Des. 174,534 Des. 174,535 4: Des. 173,817
--	---	---	---	---	--



D81— 4: Des. 174,240	D81—21: Des. 174,415	D85— 2: Des. 175,297	D86—10: Des. 176,457	D90— 8: Des. 176,263	D92— 1: Des. 175,219
Des. 174,312	Des. 175,378	Des. 175,367	D87— 2: Des. 175,945	14: Des. 174,620	Des. 175,220
Des. 174,313	24: Des. 175,707	Des. 175,368	Des. 176,011	Des. 174,621	Des. 175,221
Des. 174,314	25: Des. 173,876	Des. 175,585	3: Des. 173,931	Des. 174,622	Des. 175,222
Des. 175,184	Des. 174,066	Des. 175,648	Des. 174,427	Des. 175,344	Des. 175,223
Des. 175,807	Des. 174,998	Des. 175,830	Des. 174,505	17: Des. 175,929	Des. 175,640
Des. 175,847	Des. 175,111	Des. 175,968	Des. 174,526	20: Des. 173,864	Des. 175,735
7: Des. 174,394	Des. 175,112	Des. 176,107	Des. 174,527	Des. 173,877	Des. 175,736
Des. 175,632	Des. 175,295	Des. 176,302	Des. 174,543	Des. 174,386	Des. 175,737
10: Des. 173,846	26: Des. 176,456	Des. 176,362	Des. 174,823	Des. 174,729	Des. 175,976
Des. 173,974	D82— 2: Des. 174,705	7: Des. 173,945	Des. 174,859	Des. 174,934	Des. 175,977
Des. 173,983	Des. 174,894	Des. 175,663	Des. 174,885	Des. 174,977	Des. 176,010
Des. 174,144	Des. 175,795	8: Des. 174,530	Des. 175,012	Des. 175,063	Des. 176,173
Des. 174,154	Des. 175,796	Des. 174,854	Des. 175,070	Des. 175,214	Des. 176,222
Des. 174,180	Des. 176,270	Des. 175,480	Des. 175,071	Des. 175,217	Des. 176,223
Des. 174,181	D83— 1: Des. 174,985	Des. 176,221	Des. 175,075	Des. 175,889	Des. 176,224
Des. 174,223	Des. 175,089	D86— 8: Des. 174,801	Des. 175,166	Des. 175,996	Des. 176,365
Des. 174,292	Des. 175,216	Des. 175,336	Des. 175,232	D91— 1: Des. 173,892	2: Des. 174,238
Des. 174,431	Des. 175,301	10: Des. 173,813	Des. 175,233	Des. 174,383	Des. 175,429
Des. 174,460	Des. 175,358	Des. 174,055	Des. 175,243	Des. 176,144	4: Des. 174,204
Des. 174,515	Des. 175,384	Des. 174,424	Des. 175,244	Des. 176,398	Des. 174,428
Des. 174,522	Des. 176,149	Des. 174,661	Des. 175,255	2: Des. 174,482	Des. 175,218
Des. 174,540	Des. 176,151	Des. 174,848	Des. 175,256	Des. 174,710	Des. 175,524
Des. 174,595	Des. 176,190	Des. 174,893	Des. 175,389	Des. 175,486	Des. 175,709
Des. 174,721	Des. 176,260	Des. 175,109	Des. 175,394	Des. 175,988	17: Des. 173,874
Des. 174,921	8: Des. 176,092	Des. 175,153	Des. 175,446	3: Des. 173,979	Des. 175,045
Des. 175,068	Des. 176,095	Des. 175,259	Des. 175,460	Des. 174,361	Des. 175,308
Des. 175,187	D85— 2: Des. 173,805	Des. 175,381	Des. 175,544	Des. 174,784	Des. 176,371
Des. 175,239	Des. 173,859	Des. 175,600	Des. 175,549	Des. 175,756	20.1: Des. 175,147
Des. 175,253	Des. 173,912	Des. 175,747	Des. 175,550	Des. 175,814	21: Des. 175,372
Des. 175,526	Des. 174,033	Des. 175,769	Des. 175,691	Des. 175,819	Des. 175,373
Des. 175,547	Des. 174,097	Des. 175,783	Des. 175,817	Des. 175,890	26: Des. 174,125
Des. 175,567	Des. 174,128	Des. 175,821	Des. 176,093	Des. 176,089	Des. 174,224
Des. 175,818	Des. 174,168	Des. 175,883	Des. 176,410	Des. 176,397	Des. 174,624
Des. 175,820	Des. 174,239	Des. 175,006	Des. 176,444	Des. 176,447	Des. 174,674
Des. 175,919	Des. 174,293	Des. 176,320	5: Des. 174,335	4: Des. 174,722	Des. 174,675
Des. 176,002	Des. 174,305	Des. 176,321	Des. 175,768	D92— 1: Des. 173,914	Des. 174,724
Des. 176,080	Des. 174,316	Des. 176,322	D88— 3: Des. 174,603	Des. 174,011	Des. 175,582
Des. 176,084	Des. 174,677	Des. 176,323	Des. 174,604	Des. 174,081	Des. 175,633
Des. 176,117	Des. 174,741	Des. 176,324	D89— 1: Des. 174,660	Des. 174,129	Des. 175,634
Des. 176,137	Des. 174,744	Des. 176,325	Des. 175,267	Des. 174,178	Des. 175,659

LIST OF PATENT, DESIGN, PLANT PATENT, AND REISSUE  
NUMBERS APPEARING IN THE OFFICIAL GAZETTES FOR 1955

## PATENTS

Jan. 4, 1955—Vol. 690, No. 1	2,698,434	to 2,698,937
Jan. 11, 1955—Vol. 690, No. 2	2,698,938	to 2,699,548
Jan. 18, 1955—Vol. 690, No. 3	2,699,549	to 2,700,157
Jan. 25, 1955—Vol. 690, No. 4	2,700,158	to 2,700,763
Feb. 1, 1955—Vol. 691, No. 1	2,700,764	to 2,701,358
Feb. 8, 1955—Vol. 691, No. 2	2,701,359	to 2,701,876
Feb. 15, 1955—Vol. 691, No. 3	2,701,877	to 2,702,388
Feb. 22, 1955—Vol. 691, No. 4	2,702,383	to 2,702,900
Mar. 1, 1955—Vol. 692, No. 1	2,702,901	to 2,703,401
Mar. 8, 1955—Vol. 692, No. 2	2,703,402	to 2,703,882
Mar. 15, 1955—Vol. 692, No. 3	2,703,883	to 2,704,364
Mar. 22, 1955—Vol. 692, No. 4	2,704,365	to 2,704,843
Mar. 29, 1955—Vol. 692, No. 5	2,704,844	to 2,705,321
Apr. 5, 1955—Vol. 693, No. 1	2,705,322	to 2,705,795
Apr. 12, 1955—Vol. 693, No. 2	2,705,796	to 2,706,291
Apr. 19, 1955—Vol. 693, No. 3	2,706,292	to 2,706,813
Apr. 26, 1955—Vol. 693, No. 4	2,706,814	to 2,707,276
May 3, 1955—Vol. 694, No. 1	2,707,277	to 2,707,782
May 10, 1955—Vol. 694, No. 2	2,707,783	to 2,708,268
May 17, 1955—Vol. 694, No. 3	2,708,269	to 2,708,751
May 24, 1955—Vol. 694, No. 4	2,708,752	to 2,709,254
May 31, 1955—Vol. 694, No. 5	2,709,255	to 2,709,807
June 7, 1955—Vol. 695, No. 1	2,709,808	to 2,710,407
June 14, 1955—Vol. 695, No. 2	2,710,408	to 2,710,962
June 21, 1955—Vol. 695, No. 3	2,710,963	to 2,711,534
June 28, 1955—Vol. 695, No. 4	2,711,535	to 2,712,130
July 5, 1955—Vol. 696, No. 1	2,712,131	to 2,712,647
July 12, 1955—Vol. 696, No. 2	2,712,648	to 2,713,164
July 19, 1955—Vol. 696, No. 3	2,713,165	to 2,713,682
July 26, 1955—Vol. 696, No. 4	2,713,683	to 2,714,206
Aug. 2, 1955—Vol. 697, No. 1	2,714,207	to 2,714,715
Aug. 9, 1955—Vol. 697, No. 2	2,714,716	to 2,715,219
Aug. 16, 1955—Vol. 697, No. 3	2,715,220	to 2,715,729
Aug. 23, 1955—Vol. 697, No. 4	2,715,730	to 2,716,238
Aug. 30, 1955—Vol. 697, No. 5	2,716,239	to 2,716,747
Sept. 6, 1955—Vol. 698, No. 1	2,716,748	to 2,717,381
Sept. 13, 1955—Vol. 698, No. 2	2,717,382	to 2,718,003
Sept. 20, 1955—Vol. 698, No. 3	2,718,004	to 2,718,633

Sept. 27, 1955—Vol. 698, No. 4	2,718,639	to 2,719,293
Oct. 4, 1955—Vol. 699, No. 1	2,719,294	to 2,719,970
Oct. 11, 1955—Vol. 699, No. 2	2,719,971	to 2,720,648
Oct. 18, 1955—Vol. 699, No. 3	2,720,649	to 2,721,321
Oct. 25, 1955—Vol. 699, No. 4	2,721,322	to 2,721,998
Nov. 1, 1955—Vol. 700, No. 1	2,721,999	to 2,722,682
Nov. 8, 1955—Vol. 700, No. 2	2,722,683	to 2,723,391
Nov. 15, 1955—Vol. 700, No. 3	2,723,392	to 2,724,115
Nov. 22, 1955—Vol. 700, No. 4	2,724,116	to 2,724,831
Nov. 29, 1955—Vol. 700, No. 5	2,724,832	to 2,725,557
Dec. 6, 1955—Vol. 701, No. 1	2,725,558	to 2,726,390
Dec. 13, 1955—Vol. 701, No. 2	2,726,391	to 2,727,233
Dec. 20, 1955—Vol. 701, No. 3	2,727,234	to 2,728,076
Dec. 27, 1955—Vol. 701, No. 4	2,728,077	to 2,728,912

## DESIGNS

Jan. 4, 1955—Vol. 690, No. 1	173,777	to	173,828
Jan. 11, 1955—Vol. 690, No. 2	173,829	to	173,863
Jan. 18, 1955—Vol. 690, No. 3	173,864	to	173,889
Jan. 25, 1955—Vol. 690, No. 4	173,890	to	173,926
Feb. 1, 1955—Vol. 691, No. 1	173,927	to	173,973
Feb. 8, 1955—Vol. 691, No. 2	173,974	to	174,009
Feb. 15, 1955—Vol. 691, No. 3	174,010	to	174,071
Feb. 22, 1955—Vol. 691, No. 4	174,072	to	174,104
Mar. 1, 1955—Vol. 692, No. 1	174,105	to	174,153
Mar. 8, 1955—Vol. 692, No. 2	174,154	to	174,207
Mar. 15, 1955—Vol. 692, No. 3	174,208	to	174,242
Mar. 22, 1955—Vol. 692, No. 4	174,243	to	174,305
Mar. 29, 1955—Vol. 692, No. 5	174,306	to	174,366
Apr. 5, 1955—Vol. 693, No. 1	174,367	to	174,405
Apr. 12, 1955—Vol. 693, No. 2	174,406	to	174,482
Apr. 19, 1955—Vol. 693, No. 3	174,483	to	174,522
Apr. 26, 1955—Vol. 693, No. 4	174,523	to	174,606
May 3, 1955—Vol. 694, No. 1	174,607	to	174,667
May 10, 1955—Vol. 694, No. 2	174,668	to	174,727
May 17, 1955—Vol. 694, No. 3	174,728	to	174,788
May 24, 1955—Vol. 694, No. 4	174,789	to	174,846
May 31, 1955—Vol. 694, No. 5	174,847	to	174,889
June 7, 1955—Vol. 695, No. 1	174,890	to	174,933



DESIGNS—Continued.

June 14, 1955—Vol. 695, No. 2	174,934 to 174,974
June 21, 1955—Vol. 695, No. 3	174,975 to 175,001
June 28, 1955—Vol. 695, No. 4	175,002 to 175,061
July 5, 1955—Vol. 696, No. 1	175,062 to 175,097
July 12, 1955—Vol. 696, No. 2	175,098 to 175,138
July 19, 1955—Vol. 696, No. 3	175,139 to 175,206
July 26, 1955—Vol. 696, No. 4	175,207 to 175,240
Aug. 2, 1955—Vol. 697, No. 1	175,241 to 175,289
Aug. 9, 1955—Vol. 697, No. 2	175,290 to 175,328
Aug. 16, 1955—Vol. 697, No. 3	175,329 to 175,381
Aug. 23, 1955—Vol. 697, No. 4	175,382 to 175,451
Aug. 30, 1955—Vol. 697, No. 5	175,452 to 175,487
Sept. 6, 1955—Vol. 698, No. 1	175,488 to 175,525
Sept. 13, 1955—Vol. 698, No. 2	175,526 to 175,577
Sept. 20, 1955—Vol. 698, No. 3	175,578 to 175,662
Sept. 27, 1955—Vol. 698, No. 4	175,663 to 175,702
Oct. 4, 1955—Vol. 699, No. 1	175,703 to 175,749
Oct. 11, 1955—Vol. 699, No. 2	175,750 to 175,819
Oct. 18, 1955—Vol. 699, No. 3	175,820 to 175,871
Oct. 25, 1955—Vol. 699, No. 4	175,872 to 175,923
Nov. 1, 1955—Vol. 700, No. 1	175,924 to 175,995
Nov. 8, 1955—Vol. 700, No. 2	175,996 to 176,054
Nov. 15, 1955—Vol. 700, No. 3	176,055 to 176,091
Nov. 22, 1955—Vol. 700, No. 4	176,092 to 176,168
Nov. 29, 1955—Vol. 700, No. 5	176,169 to 176,241
Dec. 6, 1955—Vol. 701, No. 1	176,242 to 176,298
Dec. 13, 1955—Vol. 701, No. 2	176,299 to 176,398
Dec. 20, 1955—Vol. 701, No. 3	176,399 to 176,436
Dec. 27, 1955—Vol. 701, No. 4	176,437 to 176,489

PLANT PATENTS

Jan. 4, 1955—Vol. 690, No. 1	None
Jan. 11, 1955—Vol. 690, No. 2	1,339
Jan. 18, 1955—Vol. 690, No. 3	1,340 to 1,343
Jan. 25, 1955—Vol. 690, No. 4	1,344
Feb. 1, 1955—Vol. 691, No. 1	1,345
Feb. 8, 1955—Vol. 691, No. 2	1,346 to 1,349
Feb. 15, 1955—Vol. 691, No. 3	None
Feb. 22, 1955—Vol. 691, No. 4	1,350 to 1,354
Mar. 1, 1955—Vol. 692, No. 1	1,355 to 1,359
Mar. 8, 1955—Vol. 692, No. 2	1,360
Mar. 15, 1955—Vol. 692, No. 3	1,361 to 1,363
Mar. 22, 1955—Vol. 692, No. 4	1,364 to 1,368
Mar. 29, 1955—Vol. 692, No. 5	1,369 to 1,373
Apr. 5, 1955—Vol. 693, No. 1	1,374 to 1,375
Apr. 12, 1955—Vol. 693, No. 2	1,376 to 1,377
Apr. 19, 1955—Vol. 693, No. 3	1,378 to 1,383
Apr. 26, 1955—Vol. 693, No. 4	1,384 to 1,388
May 3, 1955—Vol. 694, No. 1	1,389 to 1,390
May 10, 1955—Vol. 694, No. 2	1,391 to 1,393
May 17, 1955—Vol. 694, No. 3	1,394
May 24, 1955—Vol. 694, No. 4	1,395
May 31, 1955—Vol. 694, No. 5	None
June 7, 1955—Vol. 695, No. 1	1,396 to 1,398
June 14, 1955—Vol. 695, No. 2	1,399
June 21, 1955—Vol. 695, No. 3	None
June 28, 1955—Vol. 695, No. 4	1,400 to 1,403
July 5, 1955—Vol. 696, No. 1	1,404 to 1,405
July 12, 1955—Vol. 696, No. 2	None
July 19, 1955—Vol. 696, No. 3	1,406
July 26, 1955—Vol. 696, No. 4	1,407
Aug. 2, 1955—Vol. 697, No. 1	1,408
Aug. 9, 1955—Vol. 697, No. 2	1,409 to 1,410
Aug. 16, 1955—Vol. 697, No. 3	None
Aug. 23, 1955—Vol. 697, No. 4	1,411 to 1,412
Aug. 30, 1955—Vol. 697, No. 5	1,413 to 1,416
Sept. 6, 1955—Vol. 698, No. 1	1,417 to 1,418
Sept. 13, 1955—Vol. 698, No. 2	1,419

Sept. 20, 1955—Vol. 698, No. 3	1,420
Sept. 27, 1955—Vol. 698, No. 4	1,421 to 1,422
Oct. 4, 1955—Vol. 699, No. 1	1,423 to 1,424
Oct. 11, 1955—Vol. 699, No. 2	1,425
Oct. 18, 1955—Vol. 699, No. 3	None
Oct. 25, 1955—Vol. 699, No. 4	1,426
Nov. 1, 1955—Vol. 700, No. 1	1,427 to 1,430
Nov. 8, 1955—Vol. 700, No. 2	1,431 to 1,435
Nov. 15, 1955—Vol. 700, No. 3	None
Nov. 22, 1955—Vol. 700, No. 4	None
Nov. 29, 1955—Vol. 700, No. 5	None
Dec. 6, 1955—Vol. 701, No. 1	None
Dec. 13, 1955—Vol. 701, No. 2	1,436 to 1,437
Dec. 20, 1955—Vol. 701, No. 3	1,438 to 1,441
Dec. 27, 1955—Vol. 701, No. 4	None

REISSUES

Jan. 4, 1955—Vol. 690, No. 1	None
Jan. 11, 1955—Vol. 690, No. 2	23,918 to 23,923
Jan. 18, 1955—Vol. 690, No. 3	23,924 to 23,928
Jan. 25, 1955—Vol. 690, No. 4	23,929 to 23,931
Feb. 1, 1955—Vol. 691, No. 1	23,932 to 23,936
Feb. 8, 1955—Vol. 691, No. 2	23,937 to 23,943
Feb. 15, 1955—Vol. 691, No. 3	23,944 to 23,948
Feb. 22, 1955—Vol. 691, No. 4	23,949 to 23,954
Mar. 1, 1955—Vol. 692, No. 1	23,955 to 23,958
Mar. 8, 1955—Vol. 692, No. 2	23,959 to 23,963
Mar. 15, 1955—Vol. 692, No. 3	23,964
Mar. 22, 1955—Vol. 692, No. 4	23,964 to 23,968
Mar. 29, 1955—Vol. 692, No. 5	23,969 to 23,973
Apr. 5, 1955—Vol. 693, No. 1	23,974 to 23,976
Apr. 12, 1955—Vol. 693, No. 2	23,977 to 23,981
Apr. 19, 1955—Vol. 693, No. 3	23,982 to 23,983
Apr. 26, 1955—Vol. 693, No. 4	23,984 to 23,989
May 3, 1955—Vol. 694, No. 1	23,990 to 23,996
May 10, 1955—Vol. 694, No. 2	23,997 to 24,001
May 17, 1955—Vol. 694, No. 3	24,002 to 24,005
May 24, 1955—Vol. 694, No. 4	24,006 to 24,009
May 31, 1955—Vol. 694, No. 5	24,010 to 24,015
June 7, 1955—Vol. 695, No. 1	24,016 to 24,019
June 14, 1955—Vol. 695, No. 2	24,020 to 24,023
June 21, 1955—Vol. 695, No. 3	24,024 to 24,026
June 28, 1955—Vol. 695, No. 4	24,027 to 24,031
July 5, 1955—Vol. 696, No. 1	24,032 to 24,034
July 12, 1955—Vol. 696, No. 2	24,035 to 24,037
July 19, 1955—Vol. 696, No. 3	24,038 to 24,042
July 26, 1955—Vol. 696, No. 4	24,043 to 24,046
Aug. 2, 1955—Vol. 697, No. 1	24,047 to 24,048
Aug. 9, 1955—Vol. 697, No. 2	24,049 to 24,051
Aug. 16, 1955—Vol. 697, No. 3	None
Aug. 23, 1955—Vol. 697, No. 4	24,052 to 24,054
Aug. 30, 1955—Vol. 697, No. 5	24,055 to 24,057
Sept. 6, 1955—Vol. 698, No. 1	24,058 to 24,060
Sept. 13, 1955—Vol. 698, No. 2	None
Sept. 20, 1955—Vol. 698, No. 3	24,061 to 24,064
Sept. 27, 1955—Vol. 698, No. 4	None
Oct. 4, 1955—Vol. 699, No. 1	24,065 to 24,071
Oct. 11, 1955—Vol. 699, No. 2	24,072
Oct. 18, 1955—Vol. 699, No. 3	24,073 to 24,076
Oct. 25, 1955—Vol. 699, No. 4	24,077 to 24,081
Nov. 1, 1955—Vol. 700, No. 1	24,082 to 24,084
Nov. 8, 1955—Vol. 700, No. 2	24,085 to 24,086
Nov. 15, 1955—Vol. 700, No. 3	24,087 to 24,090
Nov. 22, 1955—Vol. 700, No. 4	24,091 to 24,096
Nov. 29, 1955—Vol. 700, No. 5	24,097 to 24,098
Dec. 6, 1955—Vol. 701, No. 1	24,099 to 24,100
Dec. 13, 1955—Vol. 701, No. 2	24,101 to 24,102
Dec. 20, 1955—Vol. 701, No. 3	24,103
Dec. 27, 1955—Vol. 701, No. 4	24,104



1955

# LIST OF DISCLAIMERS

- Anderson, Carl N., Briarcliff Manor, N. Y. Disclaimer filed by the assignee, Reheis Company, Inc. No. 2,492,085; disclaimer filed Feb. 23, 1955; v. 692; p. 531.
- Baade, Henry, Cleveland, Ohio. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,653,465; disclaimer filed Jan. 24, 1955; v. 692; p. 1.
- Bellinger, Martin J., Boston, Mass. Dedication filed by the inventor. No. 2,524,750; dedication filed Jan. 11, 1955; v. 691; p. 1.
- Brandt, Walter, Jersey City, N. J. Disclaimer filed by the assignee, International Telephone and Telegraph Corporation. No. 2,610,256; disclaimer filed Oct. 28, 1955; v. 700; p. 763.
- Broding, Robert A., Dallas, Tex. Disclaimer filed by the assignee, Socony Mobil Oil Company, Inc. No. 2,654,064; disclaimer filed Sept. 26, 1955; v. 699; p. 547.
- Brown, Carl D., and George E. Repass, Hopedale, Mass. Dedication filed by the assignee, Draper Corporation. No. 2,565,647; dedication filed Dec. 13, 1954; v. 690; p. 135.
- Brown, Carl D., and George E. Repass, Hopedale, Mass. Dedication filed by the assignee, Draper Corporation. No. 2,566,922; dedication filed Dec. 13, 1954; v. 690; p. 135.
- Bruce, Edmond, Red Bank, N. J. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,422,654; disclaimer filed June 6, 1955; v. 696; p. 1.
- Bullock, Giles E., Rochester, N. Y. Disclaimer filed by the inventor. No. 2,196,054; disclaimer filed Feb. 28, 1955; v. 692; p. 531.
- Crum, Stephen, Minneapolis, Minn. Disclaimer filed by the assignee, Minneapolis-Honeywell Regulator Company. No. 2,612,226; disclaimer filed June 24, 1955; v. 696; p. 275.
- Curtis, John C., Claremont, N. H. Disclaimer filed by the assignee, Joy Manufacturing Company. No. 2,500,931; disclaimer filed Apr. 20, 1955; v. 694; p. 147.
- Curtis, John C., and Elmer G. Gartin, Claremont, N. H. Disclaimer filed by the assignee, Joy Manufacturing Company. No. 2,316,672; disclaimer filed Feb. 4, 1955; v. 692; p. 1.
- Curtis, John C., and Elmer G. Gartin, Claremont, N. H. Disclaimer filed by the assignee, Joy Manufacturing Company. No. 2,500,932; disclaimer filed Feb. 4, 1955; v. 692; p. 1.
- De Jong, Henry W., Berkeley, Calif. Disclaimer filed by the assignee, Shell Development Company. No. 2,576,901; disclaimer filed Jan. 27, 1955; v. 691; p. 451.
- Derr, Willard A., Pittsburgh, Pa. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,597,075; disclaimer filed Feb. 21, 1955; v. 692; p. 397.
- Doering, Charles, and Henry H. Doering, Chicago, Ill. Disclaimer filed by the assignee, C. Doering & Son, Inc. No. 2,321,188; disclaimer filed Sept. 9, 1955; v. 699; p. 2.
- Doering, Henry H., and Bert J. Skoglund, Chicago, Ill. Disclaimer filed by the assignee, C. Doering & Son, Inc. No. 2,323,523; disclaimer filed Sept. 9, 1955; v. 699; p. 2.
- Domaleski, Joseph V., Summit, Emmett L. Gartland, Berkeley Heights, and Joseph J. Kleimack, Scotch Plains, N. J. Disclaimer filed by the inventors; the assignee, Bell Telephone Laboratories, joining in. No. 2,688,110; disclaimer filed Aug. 3, 1955; v. 697; p. 553.
- Downing, William C., Jr., and Donald A. Eggleston, Springfield, Ill., and James M. Vanderleck, Toronto, Ontario, Canada. Disclaimer filed by the assignee, Sangamo Electric Company. No. 2,577,111; disclaimer filed Feb. 7, 1955; v. 692; p. 1.
- Dueringer, Erwin G., and Wesley G. Martin, Milwaukee, Wis. Disclaimer filed by the assignee, A. O. Smith Corporation. No. 2,691,959; disclaimer filed Oct. 5, 1955; v. 699; p. 547.
- Emerson, John H., Cambridge, Mass. Disclaimer filed by the inventor. No. 2,468,741; disclaimer filed June 14, 1955; v. 696; p. 143.
- Engelhardt, Carl F., Yeadon, Pa. Dedication filed by the assignee, Thompson Products, Inc. No. 2,281,873; dedication filed Feb. 16, 1955; v. 692; p. 265.
- Engelhardt, Carl F., Yeadon, Pa. Dedication filed by the assignee, Thompson Products, Inc. No. 2,290,321; dedication filed Feb. 16, 1955; v. 692; p. 265.
- Engelhardt, Carl F., Yeadon, Pa. Dedication filed by the assignee, Thompson Products, Inc. No. 2,293,681; dedication filed Feb. 16, 1955; v. 692; p. 265.
- Engelhardt, Carl F., Yeadon, Pa. Dedication filed by the assignee, Thompson Products, Inc. No. 2,293,682; dedication filed Feb. 16, 1955; v. 692; p. 265.
- Engelhardt, Carl F., Yeadon, Pa. Dedication filed by the assignee, Thompson Products, Inc. No. 2,293,699; dedication filed Feb. 16, 1955; v. 692; p. 265.
- Engelhardt, Carl F., Yeadon, Pa. Dedication filed by the assignee, Thompson Products, Inc. No. 2,380,421; dedication filed Feb. 16, 1955; v. 692; p. 265.
- Finneburgh, Lewis H., Jr., Cleveland Heights, Ohio. Disclaimer filed by the assignee, Morris L. Finneburgh; the inventor joining in. No. 2,630,531; disclaimer filed Feb. 28, 1955; v. 692; p. 531.
- Galbreath, Robert R., Bernardsville, N. J. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,531,203; disclaimer filed Jan. 24, 1955; v. 691; p. 451.
- Glitsch, Hans C., Dallas, Tex. Disclaimer filed by the assignee, Fritz W. Glitsch & Sons, Inc. Re. 22,946; disclaimer filed Oct. 6, 1955; v. 700; p. 189.
- Gluesenkamp, Earl W., Centerville, and Tracy M. Patrick, Jr., Dayton, Ohio. Disclaimer filed by the assignee, Monsanto Chemical Company. No. 2,612,513; disclaimer filed Oct. 31, 1955; v. 701; p. 687.
- Goldner, George H., Warren, Ohio. Disclaimer filed by the assignee, The Federal Machine and Welder Company. No. 2,689,295; disclaimer filed July 12, 1955; v. 697; p. 137.
- Hayward, John T., Clearwater, Fla. Dedication filed by the inventor; the Hayward-Wolff Research Corporation, the exclusive licensee, consenting. No. 2,494,092; dedication filed Dec. 9, 1954; v. 690; p. 1.
- Hergenrother, Rudolf C., West Newton, Mass. Disclaimer filed by the assignee, Raytheon Manufacturing Company. No. 2,681,424; disclaimer filed Oct. 26, 1955; v. 700; p. 567.
- Hitchings, George H., Tuckahoe, and Gertrude B. Elion, Bronxville, N. Y. Disclaimer filed by the assignee, Burroughs Wellcome & Co. (U. S. A.) Inc. No. 2,697,709; disclaimer filed Mar. 18, 1955; v. 693; p. 133.
- Hoffmeister, William S., Tulsa, Okla. Dedication filed by the assignee, Esso Research and Engineering Company. No. 2,686,108; dedication filed July 5, 1955; v. 697; p. 271.
- Howard, Alan, Schenectady, N. Y. Dedication filed by the assignee, General Electric Company. No. 2,355,440; dedication filed July 28, 1955; v. 697; p. 553.
- Hyman, Mark, Jr., Belmont, and Cutler D. West, Cambridge, Mass. Disclaimer filed by the assignee, Polaroid Corporation. Re. No. 23,297; disclaimer filed July 21, 1955; v. 697; p. 271.
- Kirkpatrick, William E., Chatham, and Raymond W. Sears, West Orange, N. J. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,589,704; disclaimer filed Aug. 4, 1955; v. 698; p. 169.
- Kniel, Ludwig, Scarsdale, N. Y. Disclaimer filed by the assignee, The Lummus Company. No. 2,619,814; disclaimer filed Mar. 21, 1955; v. 693; p. 133.
- Kraus, Charles E., Rochester, N. Y. Disclaimer filed by the inventor. No. 2,333,653; disclaimer filed Apr. 26, 1955; v. 694; p. 555.
- Ladd, Elbert C., and Merlin P. Harvey, Passaic, N. J. Disclaimer filed by the inventors; the assignee, United States Rubber Company, assenting. No. 2,631,162; disclaimer filed Oct. 12, 1955; v. 700; p. 1.
- Land, Edwin H., Boston, Mass. Disclaimer filed by the assignee, Polaroid Corporation. No. 2,454,515; disclaimer filed July 21, 1955; v. 697; p. 271.
- Landauer, Rolf W., New York, N. Y. Disclaimer filed by the assignee, Sylvania Electric Products, Inc. No. 2,584,597; disclaimer filed Aug. 9, 1955; v. 698; p. 1.
- Lee, Leighton, II, Rocky Hill, Conn. Disclaimer filed by the assignee, Niles-Bement-Pond Company. No. 2,638,912; disclaimer filed Dec. 28, 1954; v. 691; p. 1.
- Le Laurin, Louis A., Sr., San Antonio, Tex. Disclaimer filed by the inventor; Pak-Mor Manufacturing Co., the licensee, approving. No. 2,696,925; disclaimer filed May 3, 1955; v. 694; p. 555.
- Lockhart, Haines B., Chicago, Ill. Dedication filed by the assignee, Swift & Company. No. 2,673,803; dedication filed Jan. 10, 1955; v. 691; p. 1.
- Loeb, William S., Philadelphia, Pa. Dedication filed by the assignee, Thompson Products, Inc. No. 2,343,915; dedication filed Feb. 16, 1955; v. 692; p. 265.
- Loeb, William S., Philadelphia, Pa. Dedication filed by the assignee, Thompson Products, Inc. No. 2,399,683; dedication filed Feb. 16, 1955; v. 692; p. 265.
- Loeb, William S., Philadelphia, Pa. Dedication filed by the assignee, Thompson Products, Inc. No. 2,410,452; dedication filed Feb. 16, 1955; v. 692; p. 266.
- Longenecker, Levi S., Pittsburgh, Pa. Disclaimer filed by the inventor. No. 2,656,055; disclaimer filed Mar. 2, 1955; v. 692; p. 531.
- Mueller, Max B., Demarest, N. J. Disclaimer filed by the assignee, Allied Chemical & Dye Corporation. No. 2,436,660; disclaimer filed Mar. 29, 1955; v. 693; p. 407.
- Nicoll, Frederick Hermes, and Benjamin Kazan, Princeton, N. J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,690,517; disclaimer filed Aug. 29, 1955; v. 698; p. 513.
- Owens, Harry S., Berkeley, and Thomas H. Schultz, Lafayette, Calif. Disclaimer filed by the inventors and the assignee, the United States of America as represented by the Secretary of Agriculture. No. 2,611,708; disclaimer filed May 9, 1955; v. 695; p. 1.



- Parks, Asbury S., Houston, Tex. Disclaimer and dedication filed by the assignee, Kimray, Inc. No. 2,631,606; disclaimer and dedication filed Aug. 22, 1955; v. 698; p. 337.
- Parlin, David B., Thompsonville, Conn. Disclaimer filed by the inventor; the assignee, Bigelow-Sanford Carpet Company, Inc., assenting and disclaiming. No. 2,685,894; disclaimer filed Aug. 8, 1955; v. 698; p. 1.
- Raver, Francis M., York, Pa. Disclaimer filed by the assignee, Flakice Corporation. No. 2,308,541; disclaimer filed Sept. 20, 1955; v. 699; p. 547.
- Reggio, Ferdinando Carlo, Buffalo, N. Y. Disclaimer filed by the inventor. No. 2,670,724; disclaimer filed Oct. 24, 1955; v. 700; p. 567.
- Repass, George E., and James E. Repass, Hopedale, Mass. Dedication filed by the assignee, Draper Corporation. No. 2,434,887; dedication filed Dec. 13, 1954; v. 690; p. 135.
- Reynolds, George T., Giorgio Salvini, and Francis B. Harrison, Princeton, N. J. Disclaimer filed by the assignee, Research Corporation. No. 2,698,906; disclaimer filed June 1, 1955; v. 695; p. 459.
- Rothbart, Arthur, Brooklyn, N. Y. Disclaimer filed by the assignee, International Telephone & Telegraph Corporation. No. 2,428,038; disclaimer filed Apr. 15, 1955; v. 694; p. 147.
- Rumberger, George G., and Alfred M. Heald, Neenah, Wis. Disclaimer filed by the assignee, Marathon Corporation. No. 2,599,130; disclaimer filed Mar. 30, 1955; v. 693; p. 407.
- Russell, Robert C., Euclid, Ohio. Disclaimer filed by the inventor. No. 2,616,309; disclaimer filed July 5, 1955; v. 697; p. 1.
- Shaff, Ernest H., Grand Haven, Mich. Disclaimer filed by the assignee, Bendix Aviation Corporation. No. 2,365,910; disclaimer filed Oct. 25, 1955; v. 701; p. 687.
- Shaff, Ernest H., Bryan, Ohio. Disclaimer filed by the assignee, Bendix Aviation Corporation. No. 2,598,450; disclaimer filed Oct. 25, 1955; v. 701; p. 687.
- Shingledecker, Guy M., Tarentum, and Gene C. Catulle, Natrona Heights, Pa. Disclaimer filed by the assignee, Allegheny Ludlum Steel Corporation. No. 2,646,552; disclaimer filed Nov. 16, 1955; v. 701; p. 459.
- Short, Frank, Canton Center, Conn. Disclaimer filed by the assignee, Flakice Corporation. No. 2,310,468; disclaimer filed Sept. 20, 1955; v. 699; p. 369.
- Stadum, Clarence B., Snyder, N. Y. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,600,337; disclaimer filed Nov. 16, 1955; v. 701; p. 687.
- Symons, Arthur H., Chicago, Ill. Disclaimer filed by the assignee, Symons Clamp & Mfg. Co. No. 2,702,422; disclaimer filed Apr. 25, 1955; v. 694; p. 283.
- Thurman, Benjamin H., Bronxville, N. Y. Dedication filed by the assignee, Benjamin Clayton, doing business as Refining, Unincorporated. No. 2,150,732; dedication filed Dec. 22, 1954; v. 690; p. 461.
- Wahlmark, Gunnar A., Rockford, Ill. Disclaimer filed by the assignee, Sundstrand Machine Tool Co. No. 2,611,318; disclaimer filed May 18, 1955; v. 695; p. 165.
- Zahodiakin, Victor F., New York, N. Y. Dedication filed by the assignee, Thompson Products, Inc. No. 2,355,772; dedication filed Feb. 16, 1955; v. 692; p. 265.
- Zahodiakin, Victor F., Short Hills, N. J. Dedication filed by the assignee, Thompson Products, Inc. No. 2,398,270; dedication filed Feb. 16, 1955; v. 692; p. 265.
- Zahodiakin, Victor F., New York, N. Y. Dedication filed by the assignee, Thompson Products, Inc. No. 2,319,097; dedication filed Feb. 16, 1955; v. 692; p. 265.
- Zickendraht, Christian, Binningen, and Arthur Buehler, Rheinfelden, Switzerland. Disclaimer filed by the assignee, Ciba Limited. No. 2,673,201; disclaimer filed July 25, 1955; v. 697; p. 415.
- Zimmerman, Robert F., and John H. Hoge, Cincinnati, Ohio. Disclaimer filed by the assignee, Hoge Warren Zimmerman Co. No. 2,538,891; disclaimer filed Apr. 20, 1955; v. 694; p. 147.



1955

# DECISIONS PUBLISHED IN THE OFFICIAL GAZETTE

- Aller et al., In re. 695 O. G. 168.  
 Application filed July 13, 1950, In re. 693 O. G. 136.  
 Backhouse, In re. 694 O. G. 420.  
 Cislak, Francis E. v. Cary R. Wagner. 691 O. G. 6.  
 Demarche, In re. 694 O. G. 286.  
 Ducci, In re. 701 O. G. 462.  
 Emerson v. Beach. 691 O. G. 170.  
 Fairbanks, In re. 698 O. G. 4.  
 Folkins, Hillis O., et al., Appellants v. Robert C. Watson, Commissioner of Patents, Appellee. 697 O. G. 141.  
 Frederiksen, Erling Knud, and Erling Juhl Nielsen, In re. 690 O. G. 465.  
 Gartner et al., In re. 700 O. G. 573.  
 Gazda, In re. 694 O. G. 5.  
 Goodyer v. Brush. 692 O. G. 138.  
 Greenlee, In re. 697 O. G. 556.  
 Harmon, In re. 698 O. G. 172.  
 Haugh, Gordon A., et al., Appellants v. Robert C. Watson, Commissioner of Patents, Appellee. 695 O. G. 314.  
 Henning v. Hunt. 700 O. G. 772.  
 Hotchkin, In re. 700 O. G. 571.  
 Hunt v. Coffey. Coffey v. Hunt. 700 O. G. 768.  
 Krivanek, Thomas A., and Roy T. Krivanek, In re. 701 O. G. 692.  
 Krodel et al., In re. 700 O. G. 5.  
 Krogman, In re. 700 O. G. 784.  
 Laganas, Chris, Shoe Company, Appellant v. Robert C. Watson, Commissioner of Patents, Sinclair Weeks, Secretary of Commerce, and Brown Shoe Company, Incorporated, Appellees. 694 O. G. 558.  
 Larmon, et al., In re. 700 O. G. 781.  
 Launder et al., In re. 697 O. G. 279.  
 Lawson et al. v. Bruce et al. 697 O. G. 4.  
 Le Baron, In re. 699 O. G. 5.  
 Lindell, In re. 693 O. G. 276.  
 L-O-F Glass Fibers Company and Everett J. Cook v. Watson, Commissioner of Patents. 701 O. G. 4.  
 Losey, In re. 693 O. G. 4.  
 Martin, James S., and Edwin L. Kinkaide v. Eugene H. Snyder. 690 O. G. 304.  
 Marvin, In re. 697 O. G. 418.  
 Mills, George Alexander, and Houdry Process Corp., Appellants v. Robert C. Watson, Commissioner of Patents, Appellee. 695 O. G. 462.  
 Nutman, In re. 699 O. G. 551.  
 Olof et al. v. Tomlinson et al. 696 O. G. 278.  
 Palmer v. McLamore et al. 696 O. G. 4.  
 Petersen, In re. 700 O. G. 782.  
 Phillips, In re. 694 O. G. 558.  
 Pio, In re. 691 O. G. 454.  
 Rodman et al., In re. 699 O. G. 192.  
 Rose, Daniel Morton, In re. 695 O. G. 4.  
 Rouso, In re. 696 O. G. 146.  
 Rouso, In re. 698 O. G. 340.  
 Rouso, In re. 699 O. G. 372.  
 Saunders, In re. 694 O. G. 150.  
 Siu, In re. 696 O. G. 421.  
 Smith, Alonzo L., Appellant v. Robert C. Watson, Commissioner of Patents, John T. Hayward, Appellees. 691 O. G. 316.  
 Spears, In re. 700 O. G. 767.  
 Stewart, Deceased, In re. 698 O. G. 516.  
 Swentzel, John P., and Kenneth C. Nicholson, In re. 690 O. G. 4.  
 Swentzel, John P. (The Carborundum Co., Assignee), In re. 692 O. G. 269.  
 Tansel, Cecil L. v. Rene Higonnet and Louis Moyroud. 690 O. G. 138.  
 Te Grotenhuis, Theodore A., Appellant v. Robert C. Watson, Commissioner of Patents, Appellee. 695 O. G. 314.  
 Twomey et al., In re. 692 O. G. 4.  
 Van Deventer (Walworth Co., Assignee), In re. 700 O. G. 192.  
 Weeks, Sinclair, Secretary of Commerce, and Robert C. Watson, Commissioner of Patents, Appellants v. Harold Warp, and Flex-O-Glass, Appellees. 693 O. G. 411.  
 Williams, In re. 700 O. G. 381.



















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